

## **INDONESIEN**

### **Verordnung des Ministeriums für Landwirtschaft Nr. 25/2020 über Quarantäneschadorganismen**

(Peraturan menteri pertanian Republik Indonesia nomor 25 tahun 2020 tentang Jenis Organisme Pengganggu Tumbuhan Karantina)

Quelle: <http://karantina.pertanian.go.id/hukum/index.php>, aufgerufen am 08.03.2021

(Auszugsweise Übersetzung aus dem Indonesischen, Julius Kühn-Institut, Bundesforschungsinstitut für Kulturpflanzen, Institut für nationale und internationale Angelegenheiten der Pflanzengesundheit, 10.03.2021)

Übersetzung und Wiedergabe erfolgen ohne Gewähr.

### **Verordnung des Ministeriums für Landwirtschaft Nr. 25/2020 über Quarantäneschadorganismen von Pflanzen**

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#### **Artikel 1**

In dieser Verordnung werden folgende Termini in nachstehender Bedeutung verwendet:

1. Pflanzenquarantänemaßnahmen, nachfolgend Quarantänemaßnahmen genannt, sind Handlungen zur Verhinderung der Schädigung von Pflanzen, der Einschleppung aus einem Gebiet in ein anderes und /oder des Herausragens aus dem Staatsgebiet der Republik Indonesien.
2. Quarantäneschadorganismus der Pflanzen, nachfolgend als QSOP abgekürzt, ist ein Organismus, der Pflanzen schädigen oder vernichten kann, sozio-ökonomische Verluste verursachen kann und bisher noch nicht im Staatsgebiet festgestellt wurde oder gemäß amtlicher Meldung in Teilen der Republik Indonesien auftritt...
3. Wirtspflanzen von QSOP, nachfolgend Wirt genannt, sind Pflanzen, Pflanzenerzeugnisse, Nahrungsmittel, Futtermittel, genetisch veränderte Erzeugnisse, genetische Ressourcen, lebende Organismen, invasive gebietsfremde Arten, wildwachsende Pflanzen, seltene Pflanzen und/oder Wirte, die QSOP tragen können.

#### **Artikel 2**

QSOP-Typen werden wie folgt bestimmt:

- a) durch Risikoanalyse für Schadorganismen und
- b) durch Überwachung von Verbreitungsgebieten und/oder Erhebungen...

#### **Artikel 3**

Die QSOP-Typen gemäß Artikel 2 gehören zu:

- a) Kategorie A1 oder
- b) Kategorie A2.

#### **Artikel 4**

Die Kategorien gemäß Artikel 3 unterteilen sich in:

- a) Gruppe I oder
- b) Gruppe II.

#### **Artikel 5**

- (1) Ein QSOP-Kategorie A1 gemäß Artikel 3 Buchstabe a ist ein QSOP, der im Staatsgebiet der Republik Indonesien nicht auftritt.
- (2) Ein QSOP-Kategorie A2 gemäß Artikel 3 Buchstabe b ist ein QSOP, der in Teilen des Staatsgebiets der Republik Indonesien bereits auftritt

#### **Artikel 6**

- (1) Zur QSOP-Gruppe I gemäß Artikel 4 Buchstabe a gehören QSOP, die durch Behandlung nicht vom Wirt entfernt werden können.
- (2) Zur QSOP-Gruppe II gemäß Artikel 4 Buchstabe b gehören QSOP, die durch Behandlung vom Wirt entfernt werden können.

#### **Artikel 7**

Bestimmungen zur Risikoanalyse für Schadorganismen, Überwachung von Verbreitungsgebieten und/oder Erhebungen gemäß Artikel 2 werden durch die jeweiligen Verordnungen umgesetzt.

#### **Artikel 8**

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#### **Artikel 9**

Die in Artikel 2 genannten QSOP-Typen sind im Anhang, der Bestandteil dieser Verordnung ist, genannt.

#### **Artikel 10**

Mit dem Inkrafttreten dieser Verordnung wird die Verordnung des Ministers für Landwirtschaft Nr. 93/Permentan/OT.140/12/2011 zu Quarantäneschadorganismen von Pflanzen zuletzt geändert durch Verordnung des Ministers für Landwirtschaft Nr. 31/Permentan/Kr.010/7/2018...aufgehoben und ungültig.

#### **Artikel 11**

Diese Regierungsverordnung tritt am Tag ihrer Bekanntgabe in Kraft.

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LAMPIRAN  
PERATURAN MENTERI PERTANIAN  
REPUBLIK INDONESIA  
NOMOR  
TENTANG  
JENIS ORGANISME PENGGANGGU TUMBUHAN  
KARANTINA

JENIS ORGANISME PENGGANGGU TUMBUHAN KARANTINA

A. JENIS OPTK KATEGORI A1

1. SERANGGA (*INSECTS*)

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM ( <i>SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	INANG/ <i>HOST</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
1.	<i>Acraea acerata</i> Hew.; (Lepidoptera: Nymphalidae); sweet potato butterfly	II	<i>Convolvulus arvensis, Ipomoea aquatica, Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Ipomoea</i>	daun (leaves)	Africa: Angola, Benin, Botswana, Burundi, Cameroon, Congo, DR

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<i>triloba, Merremiae bracteata, Merremia pacifica, Merremia peltata, Merremia umbellata</i>		Congo, Ethiopia, Ghana, Guinea, Ivory Coast, Kenya, Liberia, Mozambique, Namibia, Nigeria, Rwanda, Sierra Leone, Sudan, Tanzania, Togo, Uganda, Zambia
2.	<i>Agrilus mali</i> Matsumura; (Coleoptera: Buprestidae); apple borer, apple buprestid	II	<i>Malus domestica</i> (apel, apple)	batang (stem), bibit cabang, tunas (bud)	Asia: China, DPR Korea (North Korea), Republic of Korea (South Korea) Europe: Russian Federation
3.	<i>Agrilus planipennis</i> Fairmaire;(Coleoptera: Buprestidae); emerald ash borer	II	<i>Fraxinus chinensis, Fraxinus pensylvania, Fraxinus japonica, Fraxinus lanuginosa, Fraxinus rhynchophylla, Fraxinus americana, Fraxinus mandshurica, Fraxinus nigra, Juglans mandshurica, Pterocarya rhoifolia, Ulmus davidiana, Ulmus propinqua</i>	batang (stem (above ground), shoots, trunks, branches), kayu, bibit (seedlings, micropropagated plants), kulit kayu (bark)	America: Canada, USA Asia: China, DPR Korea (North Korea), Japan, Republic of Korea (South Korea), Taiwan Europe : Russian Federation

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
4.	<i>Alcidodes dentipes</i> (Olivier, 1790); (Syn. <i>Alcides dentipes</i> Olivier); (Coleoptera: Curculionidae); striped sweet potato weevil	II	<i>Arachys hypogaea</i> (kacang tanah, peanut), <i>Gossypium barbadens</i> (kapas, cotton), <i>Ipomoea batatas</i> (ubi jalar, sweet potato) <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Vigna</i> spp. (buncis, cowpea)	batang (stem (above ground), shoots, trunks, branches), bibit (seedlings, micropropagated plants)	Africa: Angola, Benin, Botswana, Burundi, Cameroon, Central Africa Republic, DR Congo, Ethiopia, Ghana, Gambia, Gabon, Guinea, Guinea-Bissau, Ivory Coast, Kenya, Liberia, Mali, Mauritania, Mauritius, Mozambique, Malawi, Nigeria, Sahara, Senegal, Sierra Leone, Somalia, South Africa, Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe
5.	<i>Alsophila pometaria</i> (Harris); (Syn. <i>Anisopterix pometaria</i> , <i>Anisopteryx pometaria</i> ); (Lepidoptera: Geometridae); fall cankerworm	II	<i>Acer</i> spp (maple), <i>Fraxinus</i> spp., Hackberry, <i>Juglan</i> sp. (walnut), <i>Malus domestica</i> (apel, apple), Pelargonium (geranium), <i>Pyrus communis</i> (pir, pear), <i>Quercus</i> spp. (oak), Rose, <i>Salix</i> sp. (willow), <i>Ulmus</i> sp. (elm), other stone fruit	batang (stems, trunks, shoots, branches), buah (fruits), bunga (flowers,	America: Canada, USA

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
				inflorescence s, cones, calyx), daun (leaves)	
6.	<i>Amblypelta cocophaga</i> China; (Syn. <i>Amblypelta cocophaga</i> <i>cocophaga</i> , <i>Amblypelta</i> <i>cocophagamalaitensis</i> , <i>Dasynus</i> sp.); (Hemiptera: Coreidae); coconut bug	II	<i>Carica papaya</i> (pepaya, papaya), <i>Ceiba petandra</i> (kapuk randu), <i>Citrus sinensis</i> (navel orange) <i>Citrus</i> spp. (jeruk, orange), <i>Cocos nucifera</i> (kelapa, coconut), <i>Cucumis</i> <i>melo</i> (melon, melon), <i>Delonix</i> <i>regia</i> (flamboyant), <i>Eucalyptus</i> <i>deglupta</i> , <i>Macaranga</i> spp., <i>Manihot esculenta</i> (ubi kayu, cassava), <i>Mangifera indica</i> (mangga, mango), <i>Passiflora</i> <i>quadrangularis</i> (markisa, passion fruit, granadilla), <i>Prunus persica</i> (persik, peach), <i>Psophocarpus tetragonolobus</i> (kecipir, winged bean), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Theobroma cacao</i> (kakao, cocoa)	buah (fruits), daun (leaves)	Asia: India, Malaysia, Philippines, Singapore Oceania: Fiji, Papua New Guinea, Solomon Islands

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
7.	<p><i>Anastrepha fraterculus</i> (Wiedemann); (Syn. <i>Acrotoxa fraterculus</i> (Weidemann), <i>Anastrepha braziliensis</i> Greene, <i>Anastrepha costarukmanii</i> Capoor, <i>Anastrepha fraterculus</i> var. <i>soluta</i> Bezzi, <i>Anastrepha lambayecae</i> Korytkowski, <i>Anastrepha</i> <i>pseudofraterculus</i> Capoor, <i>Anastrepha scholae</i> Capoor, <i>Anthomyia frutalis</i> Weyenburgh, <i>Anastrepha peruviana</i> Towsend, <i>Anastrepha soluta</i>, <i>Dacus fraterculus</i> Weidemann, <i>Tephritis mellea</i> Walker, <i>Trypeta fraterculus</i> (Weidemann), <i>Trypeta unicolor</i> Loew); (Diptera: Tephritidae); South American fruitfly</p>	II	<p><i>Achras</i> (= <i>Manilkara</i>) <i>zapota</i> (sawo, sapodilla), <i>Actinidia</i> <i>chinensis</i> (Chinese gooseberry), <i>Actinidia deliciosa</i> (kiwi, kiwifruit), <i>Ampelocera</i> <i>hottlei</i>, <i>Annona</i> spp, <i>Annona</i> <i>cherimola</i> (cherimoya), <i>Annona</i> <i>muricata</i> (sirsak, soursop), <i>Annona squamosa</i> (srikaya, sweetsop), <i>Averrhoa carambola</i> (belimbing, carambola, star- fruit), <i>Campomanesia</i> <i>xanthocarpa</i>, <i>Carica papaya</i>, (pepaya, papaya), <i>Chrysophyllum gonocarpum</i>, <i>Citrus</i> spp. (jeruk, orange), <i>Citrus aurantium</i> (sour orange), <i>Citrus limetta</i> (sweet lemon), <i>Citrus maxima</i> (pummelo), <i>Citrus reticulata</i> (mandarin), <i>Citrus sinensis</i> (navel orange), <i>Coffea Arabica</i> (kopi arabika, Arabica coffee), <i>Coffea liberica</i> (Liberian coffee</p>	<p>buah (fruit (inc. pods), media tanam (growing media associated with associate d with plants), tanah (soil)</p>	<p>America: Argentina, Belize, Bolivia, Brazil, Colombia, Costa Rica, Ecuador, El Salvador, Guatemala, Guyana, Honduras, Mexico, Nicaragua, Panama, Paraguay, Peru, Suriname, Trinidad and Tobago, USA, Uruguay, Venezuela</p>

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			tree), <i>Cydonia oblonga</i> (quince), <i>Diospyros kaki</i> (kesemek, persimmon), <i>Diospyros malabarica</i> , <i>Eugenia</i> <i>stipitata</i> , <i>Eriobotrya japonica</i> (loquat), <i>Eugenia dombeyi</i> (brazil cherry), <i>Eugenia</i> <i>uniflora</i> (Surinam cherry), <i>Eugenia</i> spp., <i>Feijoa</i> <i>sellowiana</i> (horn of plenty), <i>Ficus carica</i> (ara, fig), <i>Fortunella japonica</i> (kumquat), <i>Fragaria vesca</i> (wild strawberry), <i>Fortunella</i> <i>japonica</i> (round kumquat), <i>Inga edulis</i> , <i>Inga marginata</i> , <i>Juglans australis</i> , <i>Juglans</i> <i>neotropica</i> (Andean walnut), <i>Juglans regia</i> (walnut), <i>Malus</i> sp., <i>Malus domestica</i> (apel, apple), <i>Mangifera indica</i> (mangga, mango), <i>Persea</i> <i>americana</i> (avokad, avocado), <i>Pouteria obovata</i> , <i>Prunus</i>		



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			<p><i>americana</i> (apricot), <i>Prunus dulcis</i> (almon, badam, almond), <i>Prunus</i> spp., <i>Prunus persica</i> (persik, peach), <i>Psidium longipes</i>, <i>Psidium guajava</i> (jambu biji, guava), <i>Psidium cattleianum</i> (strawberry guava), <i>Punica granatum</i> (delima, pomegranate), <i>Pyrus communis</i> (pir, pear), <i>Rubus glaucus</i>, <i>Solanum quitoense</i>, <i>Spondias dulcis</i> (otaheite apple), <i>Spondias mombin</i> (hog plum), <i>Spondias purpurea</i> (red mombin), <i>Spondias cytherea</i>, <i>Spondias tuberosa</i>, <i>Syzygium aquea</i> (jambu air, star apple), <i>Syzygium jambos</i> (rose apple), <i>Syzygium</i> spp., <i>Syzygium malaccense</i> (jambu bol, malay-apple), <i>Terminalia catappa</i> (ketapang, Indian almond), <i>Theobroma cacao</i></p>		

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			(kakao, cocoa), <i>Vitis vinifera</i> (anggur, grapevine), <i>Ziziphus joazeiro</i> , <i>Zuelania Guidonia</i>		
8.	<i>Anastrepha ludens</i> (Loew); (Syn. <i>Acrotoxa ludens</i> Loew, <i>Anastrepha lathana</i> Stone, <i>Trypeta ludens</i> Loew); (Diptera: Tephritidae); Mexican fruit fly	II	<i>Anacardium occidentale</i> (jambu mete, cashew-nut), <i>Annona cherimola</i> (cherimoya), <i>Annona liebmanni</i> , <i>Annona muricata</i> (sirsak, soursop), <i>Annona reticulata</i> (buah nona, srikaya), <i>Annona squamosa</i> (srikaya, sweetsop), bullock's heart, custard apple), <i>Carica papaya</i> (pepaya, papaya), <i>Casimiroa edulis</i> (white sapote), <i>Citrus</i> spp. (jeruk, orange), <i>Citrus aurantium</i> (sour orange), <i>Citrus maxima</i> (pummelo), <i>Citrus sinensis</i> (navel orange), <i>Citrus x paradisi</i> (grapefruit), <i>Citrus aurantifolia</i> (lime), <i>Citrus limetta</i> (sweet lemon tree), <i>Citrus medica</i> (citron), <i>Citrus reticulata</i> (mandarin), <i>Citrus</i>	buah (fruit (inc. pods), media tanam (growing media associated with plants), tanah (soil)	America: Belize, Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<p><i>reticulata x paradisi</i> (tangelo),  <i>Coffea arabica</i> (kopi arabika,  arabicacoffee), <i>Cydonia  oblonga</i> (quince), <i>Diospyros  kaki</i> (kesemek, persimmon),  <i>Feijoa sellowiana</i>, <i>Malus  domestica</i> (apel, apple),  <i>Mammea americana</i>,  <i>Mangifera indica</i> (mangga,  mango), <i>Passiflora edulis</i>  (passionfruit), <i>Passiflora  quadrangularis</i> (markisa,  passion-fruit, granadilla),  <i>Psidium longipes</i>, <i>Persea  americana</i> (avokad, avocado),  <i>Pouteria sapota</i>, <i>Prunus  persica</i> (persik, peach),  <i>Psidium guajava</i> (jambu biji,  guava), <i>Punica granatum</i>  (delima, pomegranate), <i>Pyrus  communis</i> (pir, pear),  <i>Sargentia greggii</i>, <i>Spondias  purpurea</i>, <i>Syzygium aquea</i>  (jambu air, star apple), <i>Talisia</i></p>		

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			<i>olivaeformis</i>		
9.	<i>Anastrepha obliqua</i> (Macquart); (Syn. <i>Acrotoxa obliqua</i> , <i>Anastrepha fraterculus</i> var. <i>ligata</i> , <i>Anastrepha fraterculus</i> var. <i>mombinpraeoptans</i> SeAn, <i>Anastrepha mombinpraeoptans</i> SeAn, <i>Tephritis obliqua</i> , <i>Anastrepha Acudisa</i> , <i>Anastrepha Trinidadensis</i> , <i>Trypeta obliqua</i> ); (Diptera: Tephritidae); West Indian fruit fly, Antillean fruit fly	II	<i>Achras</i> (= <i>Manilkara</i> ) <i>zapota</i> (sawo, sapodilla), <i>Anacardium occidentale</i> (jambu mete, cashew-nut), <i>Annona hayesii</i> , <i>Averrhoa carambola</i> (belimbing, carambola, star-fruit), <i>Brosimum alicastrum</i> , <i>Citrus</i> spp, <i>Citrus limetta</i> , <i>Coffea</i> spp. (kopi, coffee), <i>Diospyros digyna</i> (black sapote), <i>Dovyalis hebecarpa</i> (kitambilla), <i>Eriobotrya japonica</i> (loquat), <i>Eugenia jambos</i> (jambos), <i>Eugenia malaccensis</i> (pomerack), <i>Eugenia nesiotica</i> , <i>Malpighia glabra</i> , <i>Mangifera indica</i> (mangga, mango), <i>Passiflora quadrangularis</i> (markisa, passion fruit, granadilla), <i>Prunus dulcis</i> (almon, badam, almond), <i>Prunus amygdalus</i>	buah (fruit (inc. pods), media tanam (growing media associated with plants), tanah (soil)	America: Antigua and Barbuda, Argentina, Bahamas, Barbados, Belize, Brazil, British Virgin Islands, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Grenada, Guadeloupe, Guatemala, Guyana, Haiti, Honduras, Jamaica, Martinique, Mexico, Montserrat, Netherlands Antilles, Nicaragua, Panama, Paraguay, Peru, Puerto Rico, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, United States Virgin Islands, Venezuela

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			(bitter almond), <i>Prunus domestica</i> (prem, plum), <i>Psidium longipes</i> , <i>Pyrus communis</i> (pir, pear), <i>Pouteria viridis</i> , <i>Pouteria sapota</i> , <i>Pouteria mammosa</i> , <i>Psidium guajava</i> (jambu biji, guava), <i>Syzygium aquea</i> (jambu air, star apple), <i>Syzygium malaccense</i> (jambu bol, malay-apple), <i>Spondias cytherea</i> , <i>Spondias mombin</i> , <i>Spondias purpurea</i> , <i>Spondias</i> spp.		
10.	<i>Anastrepha serpentina</i> (Wiedemann); (Syn. <i>Acrotoxa serpentinus</i> Wiedemann, <i>Dacus serpentinus</i> Wiedemann, <i>Leptoxys serpentina</i> Wiedemann, <i>Trypeta serpentina</i> Wiedemann, <i>Urophora vittithorax</i> Wiedemann); (Diptera: Tephritidae); sapote fruit fly, sapodilla fruit fly, black fruit fly, dark fruit fly	II	<i>Achras</i> (= <i>Manilkara</i> ) <i>zapota</i> (sawo, sapodilla), <i>Alchornea latifolia</i> , <i>Annona cherimola</i> , <i>Annona glabra</i> , <i>Annona</i> spp., <i>Bumelia sebolana</i> , <i>Brysonima crassifolia</i> , <i>Capparis angulata</i> , <i>Citrus</i> spp. (jeruk, orange), <i>Citrus aurantium</i> , <i>Citrus maxima</i> , <i>Citrus reticulata</i> , <i>Citrus sinensis</i> , <i>Citrus x</i>	buah (fruit (inc. pods), media tanam (growing media associated with plants), tanah (soil)	America: Belize, Brazil, Colombia, Costa Rica, Ecuador, French Guiana, Guatemala, Guyana, Honduras, Mexico, Netherlands Antilles, Panama, Peru, Suriname, Trinidad and Tobago, Venezuela

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<p><i>paradisi, Chrysophyllum cainito, Chrysophyllum argenteum, Chrysophyllum mexicanum, Cydonia oblonga</i> (kwinsi, quince), <i>Diospyros ebenaster, Dovyalis hebecarpa, Eriobotrya japonica</i> (lokwat, loquat), <i>Ficus</i> spp.(ara, fig), <i>Lacmellea panamensis, Malus domestica</i> (apel, apple), <i>Mammea americana, Mangifera indica</i> (mangga, mango), <i>Manilkara</i> spp., <i>Persea americana</i> (avokad, avocado), <i>Pouteria viridis, Pouteria campechiana, Pouteria caimito, Pouteria obovata, Pouteria sapota, Prunus cerasus</i> (ceri, cherry), <i>Prunus persica</i> (persik, peach), <i>Psidium guajava</i> (jambu biji, guava), <i>Pyrus communis</i> (pir, pear), <i>Pouteria caimito, Pouteria campechiana</i></p>		

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			(canistel), <i>Pouteria sapota</i> (mammey sapote) <i>Sideroxylon capiri</i> , <i>Sideroxylon palmeri</i> , <i>Spondias mombin</i> , <i>Spondias purpurea</i> , <i>Spondias</i> spp.		
11.	<i>Anastrepha suspensa</i> (Loew); (Syn. <i>Anastrepha longimacula</i> Greene, <i>Anastrepha unipuncta</i> Sein, <i>Trypeta suspensa</i> Loew); (Diptera: Tephritidae); Carribean fruit fly	II	<i>Achras</i> (= <i>Manilkara</i> ) <i>zapota</i> (sawo, sapodilla), <i>Annona</i> spp., <i>Annona squamosa</i> (srikaya, sweetsop), <i>Annona glabra</i> , <i>Averrhoa carambola</i> (belimbing, star-fruit), <i>Blighia sapida</i> (akee apple), <i>Canella winterana</i> , <i>Chrysobalanus icaco</i> , <i>Carica papaya</i> (pepaya, papaya), <i>Citrofortunella mitis</i> , <i>Citrus</i> spp., <i>Clausena lansium</i> , <i>Coccoloba uvifera</i> , <i>Capsicum annum</i> (cabai besar, paprika, bell-pepper), <i>Casimiroa edulis</i> , <i>Chrysophyllum cainito</i> , <i>Chrysophyllum oliviforme</i> , <i>Clausena lansium</i> , <i>Coccoloba uvifera</i> , <i>Diospyros kaki</i> (kesemek, persimmon),	buah (fruit (inc. pods), media tanam (growing media associated with plants), tanah (soil)	America: Bahamas, British Virgin Islands, Cuba, Dominican Republic, French Guiana, Haiti, Jamaica, Puerto Rico, USA, Virgin Islands

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<p><i>Diospyros blancoi</i>, <i>Diospyros virginiana</i>, <i>Dovyalis caffra</i>, <i>Ficus carica</i> (ara, fig), <i>Flacourtia indica</i>, <i>Fortunella margarita</i> (oval kumquat), <i>Fortunella x crassifolia</i>, <i>Eriobotrya japonica</i> (loquat), <i>Eugenia dombeyi</i> (brazil cherry), <i>Eugenia uniflora</i> (surinam cherry), <i>Eugenia</i> spp., <i>Fortunella margarita</i>, <i>Garcinia aristata</i>, <i>Garcinia mangostana</i> (manggis, mangosteen), <i>Garcinia livingstonei</i>, <i>Malus domestica</i> (apel, apple), <i>Malpighia glabra</i>, <i>Mangifera indica</i> (mangga, mango), <i>Momordica charantia</i> (paria, bitter gourd), <i>Murraya</i> spp. (kemuning, mock orange), <i>Momordica balsamina</i>, <i>Persea americana</i> (avokad, avocado), <i>Phoenix dactylifera</i> (kurma, dates-</p>		



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<p>palm), <i>Pimenta dioica</i>, <i>Prunus persica</i> (persik, peach), <i>Psidium longipes</i>, <i>Punica granatum</i> (delima, pomegranate), <i>Pyrus communis</i> (pear), <i>Pouteria campechiana</i>, <i>Psidium guineense</i>, <i>Prunus cerasus</i> (ceri, cherry), <i>Psidium guajava</i> (jambu biji, guava), <i>Psidium cattleianum</i>, <i>Spondias</i> spp., <i>Spondias mombin</i>, <i>Synsepalum dulcificum</i>. <i>Spondias cytherea</i>, <i>Syzygium cumini</i> (jamblang, java plum), <i>Syzygium samarangense</i> (jambu Semarang, java apple), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Syzygium</i> spp., <i>Syzygium aquea</i> (jambu air, star apple), <i>Terminalia catappa</i> (ketapang, Indian almond), <i>Terminalia muelleri</i>, <i>Triphasia</i> sp.</p>		

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
12.	<i>Ancistrotermes latinotus</i> (Holmgren); (Isoptera: Termitidae); Subteranean termite	II	<i>Casuarina glauca</i> (scaly oak), <i>Eucalyptus camaldulensis</i> (red gum), <i>Eucalyptus tereticomis</i> , <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Polyphagus</i> , <i>Sorghum bicolor</i> (sorgum, sorghum)	batang (stems (above ground), shoots, trunks, branches), kayu (woods)	Africa: DR Congo, Malawi, Tanzania, Zimbabwe
13.	<i>Ancita crocogaster</i> (Boisduval, 1835); (Coleoptera: Cerambycidae); grey longicorne beetle, small acacia longicorn beetle	II	<i>Acacia</i> spp.	batang (stems (above ground), shoots, trunks, branches), kayu (woods)	Oceania: Australia
14.	<i>Ancita marginicollis</i> (Boisduval, 1835); (Coleoptera: Cerambycidae); white- cheeked longicorn	II	<i>Acacia</i> spp.	batang (stems (above ground), shoots, trunks, branches), kayu (woods)	Oceania: Australia
15.	<i>Anobium punctatum</i> (DeGeer); (Coleoptera: Anobiidae); Common furniture beetle, woodworm	II	<i>Dacrycarpus dacrydiodes</i> (kahikatea), <i>Dacrydium</i> <i>cupressinum</i> (rimu), <i>Pinus</i>	batang (stems (above ground),	Africa: Algeria, Angola, Benin, Botswana, Burkina Faso, Burundi,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<i>radiata</i> (radiate pine), <i>Pseudotsuga menziesii</i> (Douglas fir), <i>Thuja plicata</i> (western red cedar)	shoots, trunks), furniture, kayu (woods), ranting (branches)	Cape Verde, Cameroon, Central African Republic, Chad, Comoros, Congo, DR Congo, Djibouti, Egypt, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Kenya, Lesotho, Liberia, Libya, Madagascar, Malawi, Mali, Mauritania, Mauritius, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda, São Tomé and Príncipe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Swaziland, Togo, Tunisia, Uganda, Tanzania, Zambia, Zimbabwe America: USA

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM ( <i>SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME</i> )	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
					Asia: China, Georgia Europe: Albania, Andorra, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxemburg, Malta, Republic of Moldova, Monaco, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, San Marino, Serbia, Slovakia, Slovenia, Spain, Sweden,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
					Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand
16.	<i>Anoplophora glabripennis</i> (Motschulsky); (Coleoptera: Cerambycidae); Asian longhorned beetle, starry sky beetle	II	<i>Acer buergerianum, Acer davidii, Acer grosseri, Acer negundo, Acer palmatum, Acer pseudoplatanus, Acer rubrum, Acer robustum, Acer saccharum, Acer saccharinum, Acer truncatum, Acer spp., Aesculus hippocastanum, Aesculus spp., Alnus spp., Betula platyphylla, Betula spp., Carpinus spp., Corylus spp., Cotoneaster spp., Elaeagnus angustifolia, Eucalyptus diversicolor, Fagus spp., Fraxinus sp., Hippophae rhamnoides, Liriodendron tulifera, Lagerstroemia spp., Malus sylvestris, Malus spp., Morus alba, Ostrya spp., Platanus orientalis, Platanus</i>	batang (stems (above ground), shoots, trunks, branches), kayu (woods), kulit kayu (bark)	America: USA, Canada Asia: China, DPR Korea (North Korea), Lebanon, Republic of Korea (South Korea), Europe: Austria, Finland, France, <b>Germany</b> , Italy, Montenegro, Poland, Switzerland Oceania: Australia

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			spp., <i>Populus</i> spp., <i>Prunus laurocerasus</i> , <i>Robinia pseudoacacia</i> , <i>Rosa</i> spp., <i>Salix</i> spp., <i>Salix babylonica</i> , <i>Salix matsunada</i> , <i>Sophora</i> sp., <i>Tilia tuan</i> , <i>Ulmus pumila</i> , <i>Ulmus laeuig</i> , <i>Ulmus</i> spp.		
17.	<i>Antestiopsis facetoides</i> Le Pelley; (Hemiptera: Pentatomidae); cherry and flower feeder	II	<i>Coffea</i> spp. (kopi, coffee)	batang (stems (above ground)), buah (fruit), bunga (flowers, inflorescence s, cones, calyx), daun (leaves), tunas (bud)	Africa: Kenya, Tanzania, Tunisia
18.	<i>Antestiopsis intricata</i> (Ghesquiere & Carayon); (Hemiptera: Pentatomidae); antestia bug	II	<i>Coffea</i> spp. (kopi, coffee)	batang (stems (above ground)), buah (fruit), bunga (flowers,	Africa: Benin, Cameroon, Central African Republic, Ethiopia, Gabon, Ghana, Ivory Coast, Kenya, Nigeria, Sudan, Togo, Uganda

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/ HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
				inflorescence s, cones, calyx), daun (leaves), tunas (bud)	
19.	<i>Antestiopsis orbitalis</i> (Westwood); (Syn. <i>Antestia lineaticolli</i> , <i>Antestia orbitalis facetus</i> , <i>Antestiopsis lineaticollis</i> , <i>Antestiopsis orbitalis bechuana</i> , <i>Antestiopsis orbitalis ghesquieri</i> , <i>Antestiopses orbitalis orbItalys</i> ); (Hemiptera: Pentatomidae); Antestia bug	II	<i>Coffea arabica</i> (kopi arabika, arabica coffee), <i>Coffea</i> spp. (kopi, coffee)	batang (stems), buah (fruits), bunga (flowers, inflorescence s, cones, calyx), daun (leaves), tunas (bud)	Africa: Angola, Burundi, Congo, Ethiopia, Kenya, Malawi, Mozambique, Namibia, Rwanda, South Africa, Tanzania, Uganda, Zambia, Zimbabwe
20.	<i>Anthonomus grandis</i> Boheman, 1843; (Syn. <i>Anthonomus thurberiae</i> Pierce (1913); (Coleoptera: Curculionidae); Mexican cotton boll weevil, boll weevil, cotton boll weevil, Thurberia weevil	II	<i>Gossypium barbadens</i> (kapas, cotton), <i>Gossypium hirsutum</i> , <i>Hibiscus syriacus</i> , <i>Hampea nutricia</i> , <i>Opuntia lindheimeri</i> , <i>Prosopis, glandulosa</i> , <i>Thespesia populnea</i>	bibit (seedlings), bunga (flowers, inflorescence s, cones, calyx), buah (fruits), biji (true seed)	America: Argentina, Belize, Bolivia, Brazil, Colombia, Costa Rica, Cuba, Dominican Republic, El Salvador, Guatemala, Haiti, Honduras, Martinique, Mexico, Nicaragua, Paraguay, Saint Kitts and

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
					Nevis, USA, Venezuela
21.	<i>Anthonomus signatus</i> Say; (Syn. <i>Anthonomus bisignatus</i> , <i>Anthonomus pallidus</i> , <i>Anthonomus scutellatus</i> ); (Coleoptera: Curculionidae); strawberry bud weevil, strawberry clipper	II	<i>Fragaria ananassa</i> (stroberi, strawberry), <i>Morus</i> spp. (murbei, mulberry), (raspberry), <i>Rubus idaeus</i> (raspberry), <i>Potentilla</i> , <i>Rubus</i> sp. (blackberry), <i>Rubus caesius</i> , <i>Rubus fruticosus</i>	buah (fruits), bunga (flowers, inflorescence s, cones, calyx), media tanam (growing media associated with plants)	America: Canada, USA
22.	<i>Anthonomus vestitus</i> Boheman, 1859; (Coleoptera: Curculionidae); Peruvian boll weevil, Peruvian cotton weevil, Peruvian boll weevil, Peruvian square weevil, Peruvian cotton square weevil	II	Abutilon (Indian mallow), <i>Alcea rosea</i> , <i>Althaea</i> (hollyhocks), <i>Gossypium barbadens</i> (kapas, cotton), <i>Hibiscus</i> (rosemallows), <i>Hibiscus rosa-sinensis</i> (mawar, China-rose), <i>Thespesia</i>	bibit (seedlings), buah (fruits), bunga (flowers, inflorescence s, cones, calyx), stek	America: Ecuador, Peru
23.	<i>Aonidomytilus albus</i> (CockereII, 1893); (Syn. <i>Coccomytilus dispar</i> (Vayssiere) Takahashi, 1935, <i>Lepidosaphes alba</i>	II	<i>Citrus</i> spp. (jeruk, orange), <i>Manihot esculenta</i> (ubi kayu, cassava)	tunas (bud), batang (stems (above ground),	Africa: Angola, Cape Verde, DR Congo, Gambia, Ghana, Guinea- Bissau, Ivory Coast,



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	<p>(Cockerell) Fernald, 1903, <i>Lepidosaphes dispar</i>, <i>Mytilaspis albus</i> Cockerell, 1893, <i>Mytilaspis</i> (Coccomytilus) <i>dispar</i> Vayssiére, 1914); (Hemiptera: Diaspididae); cassava scale, white mussel scale, cassava stem mussel scale, tapioca scale</p>			<p>shoots, trunks, branches), umbi (bulbs, tubers, corms, rhizomes)</p>	<p>Kenya, Liberia, Madagascar, Malawi, Mauritius, Mozambique, Nigeria, Senegal, Somalia, Tanzania, Uganda, Zambia America: Antigua and Barbuda, Argentina, Bahamas, Barbados, British Virgin Islands, Brazil, Colombia, Cuba, Dominica, Grenada, Guadeloupe, Guyana France, Guyana, Haiti, Honduras, Jamaica, Martinique, Mexico, Montserrat, Puerto Rico, Peru, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, USA, Virgin Islands Asia: Bahrain, China,</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
					India, Malaysia, Sri Lanka, Taiwan, Thailand
24.	<i>Apate monachus</i> Fabricius, 1775; (Syn. <i>Apate carmelita</i> Fabricius, 1801, <i>Apate francisca</i> Fabricius, 1801, <i>Apate gibba</i> Fabricius, 1798, <i>Apate mendica</i> Olivier, 1790, <i>Apate monacha</i> Fabricius, 1801, <i>Apate monachus</i> var. <i>Rufiventris</i> Lucas, 1843, <i>Apate semicostata</i> Thomson, 1857, <i>Apate senii</i> Stefani, 1911); (Coleoptera: Bostrichidae); black borer, twig borer, date palm bostrichid	II	<i>Annona cherimola</i> (cherimoya), <i>Azadirachta indica</i> (nimba, neem tree), <i>Cajanus cajan</i> (kacang gude, pigeon pea), <i>Calicotome spinosa</i> , <i>Casuarina equisetifolia</i> , <i>Citrus</i> spp. (jeruk, orange), <i>Citrus sinensis</i> , <i>Coffea arabica</i> (kopi arabika, arabica coffee), <i>Coffea liberica</i> , <i>Elaeis guineensis</i> (kelapa sawit, oil palm), <i>Gleditsia triacanthos</i> , <i>Malus domestica</i> (apel, apple), <i>Mangifera indica</i> (mangga, mango), <i>Melia azedarach</i> , <i>Morus alba</i> (murbei, mulberry), <i>Olea europea</i> subsp. <i>europaea</i> (zaitum, olive), <i>Psidium guajava</i> (jambu biji, guava), <i>Phoenix dactylifera</i> (kurma, dates-palm), <i>Punica granatum</i> (delima,	batang (stems (above ground), trunks, shoots, branches), kayu (woods)	Africa: Algeria, Cameroon, Congo, Egypt, Eritrea, Ethiopia, Ghana, Guinea, Ivory Coast, Morocco, Niger, Nigeria, Sao Tome and Principe, Tanzania, Togo, Tunisia, Uganda, Zambia America: Brazil, Cuba, Dominican Republic, Guadeloupe, Jamaica, Martinique, Puerto Rico, Saint Kitts and Nevis Asia: India, Israel, Lebanon, Syria Europe: France, Italy, Spain

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			pomegranate), <i>Prunus persica</i> (persik, peach), <i>Pyrus communis</i> (pir, pear), <i>Robinia pseudoacacia</i> , <i>Styphnolobium japonicum</i> , <i>Syringa pekinensis</i> , <i>Swietenia mahogany</i> (mahoni, mahogany), <i>Tamarindus indica</i> (asam, tamarind), <i>Tamarix gallica</i> , <i>Theobroma cacao</i> (kakao, cocoa), <i>Vitis vinifera</i> (anggur, grapevine)		
25.	<i>Apate terebrans</i> (Pallas); (Coleoptera: Bostrichidae); shot-hole borer, trunk borer, girdler	II	<i>Acacia</i> spp., <i>Albizia lelbeck</i> , <i>Albizia procera</i> , <i>Anacadium occidentale</i> , <i>Azadirachta indica</i> , <i>Cedrela odorata</i> , <i>Citrus</i> Spp., <i>Coffea arabica</i> , <i>Coffea robusta</i> , <i>Dalbergia sissoo</i> , <i>Delonix regia</i> , <i>Eucalyptus polycarpa</i> , <i>Khaya senegalensis</i> , <i>Melia azedorach</i> , <i>Melia composita</i> , <i>Psidium guajava</i> , <i>Tectona grandis</i> , <i>Terminalia ivorensis</i> , <i>Theobroma cacao</i> , <i>Triplochiton</i>	batang (stems (above ground), trunks, shoots, branches), kayu (woods)	Africa: Benin, Ghana, Kenya, Nigeria, Sahara, Tanzania, Uganda America: Brazil Asia: India

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONYM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<i>scleroxylon</i>		
26.	<i>Apriona germari</i> (Hope); (Coleoptera: Cerambycidae); Mulberry longhorn beetle	II	<i>Artocarpus integrus</i> , <i>Morus alba</i> , <i>Salix tetrasperma</i> , <i>Salix babilonica</i> (weeping willow)	batang (stems (above ground), trunks, shoots, branches), kayu (woods)	Asia: Cambodia, China, India, Japan, Lao PDR (Laos), Malaysia, Myanmar, Nepal, Pakistan, Republic of Korea (South Korea), Taiwan, Thailand, Vietnam
27.	<i>Argyrotaenia velutinana</i> Walker; (Syn. <i>Eulia velutinana</i> Walker, <i>Tortrix velutinana</i> Walker); (Lepidoptera: Tortricidae); redbanded leafroller	II	<i>Acer</i> sp. (maple), <i>Abies balsamea</i> , <i>Ambrosia trifida</i> , <i>Alcea rosea</i> , <i>Apocynum</i> sp. (dogbane), <i>Betula papyrifera</i> , <i>Chrysanthemum</i> , <i>Geranium</i> sp., <i>Ilex decidua</i> , <i>Larix</i> spp., <i>Lobelia</i> sp., <i>Lonicera</i> sp., <i>Malus</i> spp., <i>Malus domestica</i> (apel, apple), <i>Mangifera indica</i> (mangga, mango), <i>Myrica gale</i> , <i>Persea americana</i> (avokad, avocado), <i>Picea glauca</i> , <i>Picea mariana</i> , <i>Picea rubens</i> , <i>Pinus sylvestris</i> , <i>Platanthera cristata</i> , <i>Populus tremuloides</i> , <i>Prunus</i>	batang (stems (above ground), trunks, shoots, branches), daun (leaves), buah (fruits)	America: Canada, Mexico, USA

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<i>domestica</i> (prem, plum), <i>Prunus pensylvanica</i> , <i>Prunus persica</i> , <i>Prunus serotina</i> , <i>Psidium guajava</i> (jambu biji, guava), <i>Pyrus communis</i> (pir, pear), <i>Quercus</i> sp., <i>Rosa</i> spp., <i>Syzygium aquea</i> (jambu air, star apple), <i>Tsuga canadensis</i> , <i>Vaccinium</i> sp., <i>Zinia violacea</i>		
28.	<i>Arhopalus ferus</i> (Muksant, 1839); (Coleoptera: Cerambycidae); burnt pine longicorn	II	pine and spruce (burned or windthrown)	batang (stems (above ground), trunks, shoots, branches), kayu (woods)	Europe: United Kingdom (England), Russian Federation Oceania: New Zealand
29.	<i>Aspidiella hartii</i> (Cockerell); (Syn. <i>Aspidiotus hartii</i> Ckll., <i>Targionia hartii</i> ); (Hemiptera: Diaspididae); yam scale	II	Araceae, <i>Curcuma longa</i> (turmeric), <i>Dioscorea esculenta</i> (Asiatic yam), <i>Zingiber officinale</i> (jahe, ginger)	bibit tanaman (seedlings), bunga (flowers, inflorescences, cones, calyx), buah	Africa: Ghana, Ivory Coast, Mauritius, Nigeria, Sierra Leone Asia: Hong Kong, India, Malaysia, Philippines, Sri Lanka, Thailand America: Antigua and Barbuda, Barbados,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
				(fruits), daun (leaves), batang (stems), akar (roots), umbi (tubers, bulbs rhizomes)	Cayman Islands, Dominican Republic, Ecuador, Grenada, Guadeloupe, Haiti, Jamaica, Lesser Antilles, Martinique, Panama, Puerto Rico, Saint Kitts and Nevis, Saint Vincent and the Grenadines, Trinidad and Tobago, USA, Virgin Islands Oceania: Australia, Federated States of Micronesia, Fiji, Guam, New Caledonia, Papua New Guinea, Solomon Islands, Tonga, Vanuatu, Wallis and Futuna Islands
30.	<i>Aspidiotus nerii</i> Bouché, 1833; (Syn. <i>Aspidiotus unipectinatus</i> Ferris, 1941, <i>Aspidiotus ? osmanthi</i> Signoret, 1877, <i>Aspidiotus affinis</i> Targioni Tozzetti, 1868, <i>Aspidiotus</i>	II	<i>Actinidia chinensis</i> (Chinese gooseberry), <i>Albizia julibrissin</i> (silk tree), <i>Ananas comosus</i> (nanas, pineapple), <i>Asparagus setaceus</i> (Asparagus fern),	bibit tanaman (seedlings), bunga (flowers,	Africa: Algeria, Cape Verde, Congo, Egypt, Eritrea, Ethiopia, Kenya, Libya, Madagascar, Malawi, Morocco, Nigeria,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	<p><i>aloes</i> Signoret, 1869, <i>Aspidiotus atherospermae</i> Maskell, 1879, <i>Aspidiotus bouchei</i> (Targioni Tozzetti) Targioni Tozzetti, 1868, <i>Aspidiotus budlaei</i> Maskell, 1879, <i>Aspidiotus budleiae</i> Signoret, 1869, <i>Aspidiotus caldesii</i> Targioni Tozzetti, 1868, <i>Aspidiotus capparisi</i> Signoret, 1869, <i>Aspidiotus carpodeti</i> Maskell, 1885, <i>Aspidiotus ceratoniae</i> Signoret, 1869, <i>Aspidiotus confusus</i> Froggatt, 1914, <i>Aspidiotus corynocarpi</i> Colvée, 1881, <i>Aspidiotus cycadicola</i> (Boisduval) Signoret, 1869, <i>Aspidiotus denticulatus</i> Targioni Tozzetti, 1868, <i>Aspidiotus dysoxylis</i> Maskell, 1879, <i>Aspidiotus epidendri</i> Signoret, 1869, <i>Aspidiotus ericae</i> (Boisduval) Signoret, 1869, <i>Aspidiotus fonsecai</i> Giannotti, 1942, <i>Aspidiotus genistae</i> Westwood, 1840, <i>Aspidiotus gnidii</i> Signoret, 1869, <i>Aspidiotus hederaceae</i> Signoret, 1869, <i>Aspidiotus hederaceae hederaceae</i> Schmutterer, 1952,</p>		<p><i>Asplenium nidus</i> (bird's nest fern), Citrus, Ceratonia, <i>Cocos nucifera</i> (kelapa, coconut), <i>Dianthus caryophyllus</i> (carnation), Diospyros (malabar ebony), <i>Hedera helix</i> (ivy), <i>Ilex aquifolium</i> (holly), Juniperus (junipers), <i>Laurus nobilis</i> (sweet bay), Magnolia, <i>Mangifera indica</i> (mangga, mango), <i>Melia azedarach</i> (Chinaberry), Morus (mulberry tree), <i>Musa paradisiaca</i> (pisang kepok, plantain), Nerium (oleander), Olea (olive), Oleaceae, Orchidaceae (orchids), Pandanus (screw-pine), Phoenix (date palm), <i>Plumeria rubra</i> var. <i>acutifolia</i> (Mexican frangipani), <i>Prunus persica</i> (persik, peach), <i>Pyrus communis</i> (European pear), Rosa (mawar, roses), <i>Simmondsia chinensis</i> (jojoba),</p>	<p>inflorescence s, cones, calyx), buah (fruits), daun (leaves), batang (stems (above ground), shoots, trunks, branches)</p>	<p>South Africa, Tanzania, Tunisia, Uganda, Zimbabwe America: Argentina, Bermuda, Bolivia, Brazil, Canada, Central America, Chile, Colombia, Ecuador, Mexico, USA, Peru, Uruguay Asia: China, Iran, Israel, Japan, Jordan, Lebanon, Saudi Arabia, Syria, Turkey Europe: Belgium, Bulgaria, Bosnia and Herzegovina, Cyprus, Croatia, France, <b>Germany</b>, Gibraltar, Greece, Ireland, Italy, North Macedonia, Malta, Montenegro, Poland, Portugal, Romania, Russian Federation, Spain, Serbia, Slovenia,</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/ HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	<p><i>Aspidiotus hederæ unipectinata</i> Carimini, 1930, <i>Aspidiotus hederæ unisexualis</i> Schmutterer, 1952, <i>Aspidiotus hederæ urenae</i> Hall, 1923, <i>Aspidiotus ilicis</i> Signoret, 1869, <i>Aspidiotus lentisci</i> Signoret, 1877, <i>Aspidiotus limonii</i> Signoret, 1869, <i>Aspidiotus myricinae</i> Signoret, 1869, <i>Aspidiotus myrsinae</i> Signoret, 1877, <i>Aspidiotus offinis</i> Comstock, 1883, <i>Aspidiotus oleae</i> Colvée, 1880, <i>Aspidiotus oleastri</i> Colvée, 1882, <i>Aspidiotus paranerii</i> Gerson, in Gerson &amp; Hazan, 1979, <i>Aspidiotus rectangulatus</i> (Lindinger) Ferris, 1941, <i>Aspidiotus simillimus</i> (Cockerell) Fernald, 1903, <i>Aspidiotus sophorae</i> Maskell, 1884, <i>Aspidiotus tasmaniae</i> Green, 1915, <i>Aspidiotus transparens rectangulatus</i> Lindinger, 1913, <i>Aspidiotus transparens</i> var. <i>simillimus</i> Cockerell, 1898, <i>Aspidiotus transvaalensis</i> Leonardi, 1914, <i>Aspidiotus ulicis</i> Signoret, 1869,</p>		<p><i>Vitis vinifera</i> (anggur, grapevine)</p>		<p>United Kingdom Oceania: Australia, New Caledonia, New Zealand, Norfolk Island</p>



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/ HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	<p><i>Aspidiotus urenae</i> (Hall) Ferris, 1941, <i>Aspidiotus vagabundus</i> Cockerell, 1899, <i>Aspidiotus villosus</i> Targioni Tozzetti, 1868, <i>Aspidiotus viresciae</i> Leonardi, 1920, <i>Aspidiotus vriesciae</i> Signoret, 1869, <i>Chermes aloes</i> Boisduval, 1867, <i>Chermes cycadicola</i> Boisduval, 1867, <i>Chermes ericae</i> Boisduval, 1867, <i>Chermes genistae</i> (Westwood) Ferris, 1941, <i>Chermes hederiae</i> (Signoret) Ferris, 1937, <i>Chermes nerii</i> Boisduval, 1868, <i>Chermes osmanthi</i> Ferris, 1941, <i>Coccus (Aspidiotus) palmarum</i> Taschenberg, 1880, <i>Coccus limonii</i> Murray, 1871, <i>Diaspis bouchei</i> Targioni Tozzetti, 1867, <i>Diaspis obliquum</i> Costa, 1829, <i>Octaspidotus anthospermae</i> Balachowsky, 1948, <i>Octaspidotus atherospermae</i> (Maskell) MacGillivray, 1921); (Hemiptera: Diaspididae); aucuba scale; ivy scale; white scale; oleander scale</p>				

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
31.	<i>Augosoma centaurus</i> (Fabricius, 1775); (Coleoptera: Scarabaeidae); stem tissues borer	II	<i>Elaeis guineensis</i> (kelapa sawit, oil palm), palma lainnya (other palmae)	batang (stems above ground, shoots, trunks, branches), media tanam (growing media associated with plants), sisa tanaman	Africa: Cameroon, Gambia, Ghana, Guinea, Ivory Coast, Liberia, Niger, Nigeria, Senegal
32.	<i>Bactrocera caryeae</i> (Kapoor); (Syn. <i>Dacus caryeae</i> Kapoor, 1971); (Diptera: Tephritidae); Indian fruit fly	II	<i>Aegle marmelos</i> (maja, bael fruit, golden apple), <i>Citrus</i> spp., <i>Citrus maxima</i> , <i>Citrus reticulata</i> , <i>Malpighia glabra</i> , <i>Mangifera indica</i> (mangga, mango), <i>Pouteria sapota</i> , <i>Psidium guajava</i> (jambu biji, guava)	buah (fruits), media tanam, tanah	Asia: India, Sri Lanka
33.	<i>Bactrocera correcta</i> (Bezzi); (Syn. <i>Bactrocera</i> ( <i>Bactrocera</i> ) <i>correcta</i> (Bezzi), <i>Chaetodacus correctus</i> Bezzi, <i>Dacus correctus</i> (Bezzi));	II	<i>Anacardium occidentale</i> (jambu mete, cashew nut), <i>Areca catechu</i> (pinang, betelnut palm), <i>Artocarpus</i>	buah (fruits (inc. pods), media tanam (growing	Asia: Bangladesh, Bhutan, China, India, Japan, Malaysia, Myanmar, Nepal,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	(Diptera: Tephritidae); guava fruit fly		<i>integer</i> (cempedak, champedak), <i>Averrhoa carambola</i> (belimbing, carambola), <i>Carica papaya</i> (pepaya, papaya), <i>Citrus maxima</i> (pummelo), <i>Citrus reticulata</i> (mandarin), <i>Cucumis melo</i> (melon, melon), <i>Dimocarpus longan</i> (longan tree), <i>Flacourtia indica</i> (governor's plum), <i>Flacourtia jangomas</i> (Indian plum), <i>Madhuca longifolia</i> (honey tree), <i>Malpighia glabra</i> (acerola), <i>Mangifera indica</i> (mangga, mango), <i>Manilkara zapota</i> (sawo, sapodilla), <i>Mimusops elengi</i> (spanish cherry), <i>Muntingia calabura</i> (Jamaica cherry), <i>Musa x paradisiaca</i> (plantain), <i>Phyllanthus acidus</i> (star gooseberry), <i>Prunus avium</i> (sweet cherry), <i>Prunus cerasus</i>	media associated with plants, tanah (soil)	Pakistan, Sri Lanka, Thailand, Vietnam

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			(sour cherry), <i>Prunus persica</i> (persik, peach), <i>Psidium guajava</i> (jambi biji, guava), <i>Spondias purpurea</i> (red mombin), <i>Syzygium aqueum</i> (watery rose-apple), <i>Syzygium cumini</i> (black plum), <i>Syzygium jambos</i> (rose apple), <i>Syzygium malaccense</i> (Malay apple), <i>Syzygium samarangense</i> (water apple), <i>Terminalia catappa</i> (ketapang, Indian almond), <i>Ziziphus jujuba</i> (common jujube), <i>Ziziphus mauritiana</i> (jujube)		
34.	<i>Bactrocera curvipennis</i> (Froggatt); (Syn. <i>Bactrocera (Bactrocera) curvipennis</i> (Froggatt), <i>Chaetodacus curvipennis</i> , <i>Dacus curvipennis</i> Frogg., <i>Strumeta curvipennis</i> (Froggatt)); (Diptera: Tephritidae); banana fruit fly	II	<i>Anacardium occidentale</i> , <i>Annona reticulata</i> , <i>Averrhoa carambola</i> (belimbing, star-fruit), <i>Calophyllum inophyllum</i> , <i>Capsicum annuum</i> (cabai besar, paprika, bell pepper), <i>Couthovia neo-caledonica</i> , <i>Carica papaya</i> (pepaya, papaya), <i>Citrus</i> spp. (jeruk,	buah (fruits), media tanam (growing media associated with plants), tanah (soil)	Oceania: New Caledonia, Vanuatu

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<p>orange), <i>Casimiroa eludis</i>,  <i>Citrus latifolia</i>, <i>Citrus maxima</i>,  <i>Citrus reticulata</i>, <i>Citrus</i>  <i>sinensis</i>, <i>Citrus x paradisi</i>,  <i>Coffea arabica</i>, <i>Diospyros</i>  <i>macrocarpa</i>, <i>Eugenia uniflora</i>,  <i>Eriobotrya japonica</i>, <i>Fragaria</i>  <i>ananassa</i> (stroberi,  strawberry), <i>Guettarda</i>  <i>speciosa</i>, <i>Mangifera indica</i>  (mangga, mango), <i>Meremia</i>  <i>tuberosa</i>, <i>Malphigia glabra</i>,  <i>Morus alba</i>, <i>Ochrosia elleptica</i>,  <i>Psidium cattleianum</i>, <i>Psidium</i>  <i>friedrichstalianum</i>, <i>Psidium</i>  <i>guajava</i> (jambu biji, guava),  <i>Passiflora foetida</i>, <i>Prunus</i>  <i>domestica</i> (prem, plum),  <i>Prunus persica</i>, <i>Prunus var.</i>  <i>nectaria</i>, <i>Solanum</i>  <i>lycopersicum</i> (tomat, tomato),  <i>Syzygium malaccense</i>,  <i>Thevetia peruviana</i>, <i>Terminalia</i>  <i>catappa</i> (ketapang, Indian</p>		

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			almond), <i>Vitis vinifera</i> (anggur, grape), <i>Zizyphus mauritania</i>		
35.	<i>Bactrocera depressa</i> (Shiraki); (Syn. <i>Bactrocera (Paradacus) depressa</i> (Shiraki), <i>Bactrocera depressus</i> , <i>Dacus depressus</i> (Shiraki), <i>Paradacus depressus</i> (Shiraki), <i>Zeugodacus depressus</i> Shiraki); (Diptera: Tephritidae); pumpkin fruit fly	II	<i>Cucurbita moschata</i> (waluh, labu, pumpkin), <i>Cucurbita maxima</i> (waluh, labu parang, pumpkin)	buah (fruits), media tanam (growing media associated with plants), tanah (soil)	Asia: China, Japan, Republic of Korea (South Korea), Taiwan
36.	<i>Bactrocera jarvisi</i> (Tryon); (Syn. <i>Afrodacus jarvisi</i> (Tryon), <i>Chaetodacus jarvisi</i> Tryon, <i>D. australis</i> Hendel, <i>Dacus jarvisi</i> (Tryon)); (Diptera: Tephritidae); Fiji fruitfly, Jarvis's fruitfly	II	<i>Anacardium occidentale</i> (jambu mete, cashew-nut), <i>Annona glabra</i> , <i>Annona muricata</i> (sirsak, soursop), <i>Areca catechu</i> (pinang, betelnut palm), <i>Averrhoa carambola</i> (belimbing, star-fruit), <i>Carica papaya</i> (pepaya, papaya), <i>Citrus</i> spp. (jeruk, orange), <i>Cydonia oblonga</i> (kwinsi, quince), <i>Diospyros blancoi</i> , <i>Diospyros kaki</i> (kesemek, persimmon), <i>Feijoa sellowiana</i> , <i>Fortunella japonica</i>	buah (fruits), media tanam (growing media associated with plants), tanah (soil)	Oceania: Australia

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			(kumkwat, kumquat), <i>Malus domestica</i> (apel, apple), <i>Malpighia emarginata</i> , <i>Mangifera indica</i> (mangga, mango), <i>Musa paradisiaca</i> (pisang, kepok, plantain), <i>Opuntia</i> sp., <i>Psidium guajava</i> (jambu biji, guava), <i>Passiflora quadrangularis</i> (markisa, passion-fruit, granadilla), <i>Persea americana</i> (avokad, avocado), <i>Planchonia careya</i> , <i>Pouteria campechiana</i> , <i>Pouteria caimito</i> , <i>Prunus americana</i> (aprikot, apricot), <i>Prunus persica</i> (persik, peach), <i>Psidium cattleianum</i> , <i>Psidium guajava</i> (jambu biji, guava), <i>Punica granatum</i> (delima, pomegranate), <i>Pyrus communis</i> (pir, pear), <i>Spondias purpurea</i> , <i>Syzygium aquea</i> (jambu air, star apple), <i>Syzygium malaccense</i> (jambu		

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			bol, malay apple), <i>Syzygium samarangense</i> (jambu Semarang, Java apple), <i>Terminalia arenicola</i> , <i>Terminalia catappa</i> (ketapang, Indian almond)		
37.	<i>Bactrocera kandiensis</i> Drew & Hancock; (Syn. <i>Bactrocera</i> sp. near <i>dorsalis</i> (D) (Hendel)); (Diptera: Tephritidae); Sri Lankan fruit fly	II	<i>Anacardium occidentale</i> (jambu mete, cashew-nut), <i>Annona glabra</i> , <i>Areca catechu</i> (pinang, betelnut palm), <i>Artocarpus integrifolius</i> (nangka, jackfruit), <i>Artocarpus heterophyllus</i> (nangka, jackfruit), <i>Averrhoa carambola</i> (belimbing, carambola, star-fruit), <i>Citrus maxima</i> , <i>Carica papaya</i> (pepaya, papaya), <i>Mangifera indica</i> (mangga, mango), <i>Persea americana</i> (avokad, avocado), <i>Psidium guajava</i> (jambu biji, guava), <i>Punica granatum</i> (delima, pomegranate), <i>Spondias cytherea</i> , <i>Syzygium</i>	buah (fruits), media tanam (growing media associated with plants), tanah (soil)	Asia: Sri Lanka



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<i>aromaticum</i> (cengkeh, clove), <i>Syzygium aquea</i> (jambu air, star apple)		
38.	<i>Bactrocera kinabalu</i> Drew & Hancock; (Diptera: Tephritidae); Kinabalu fruit fly	II	<i>Persea americana</i> (avokad, avocado)	buah (fruit), media tanam (growing media associated with plants), tanah (soil)	Asia: Malaysia
39.	<i>Bactrocera neohumeralis</i> (Hardy); (Syn. <i>Chaetodacus humeralis</i> Perkins, <i>Chaetodacus tryoni</i> var. <i>sarcocephali</i> Tryon, <i>Dacus neohumeralis</i> Hardy, <i>Dacus tryoni</i> var. <i>neohumeralis</i> Hardy); (Diptera: Tephritidae); lesser Queensland fruit fly	II	<i>Achras</i> (= <i>Manilkara</i> ) <i>zapota</i> (sawo, sapodilla), <i>Anacardium</i> <i>occidentale</i> (jambu mete, cashew), <i>Annona</i> spp. (buah nona, sirsak, srikaya, annona, soursop, sweetsop), <i>Annona</i> <i>glabra</i> , <i>Annona muricata</i> , <i>Annona reticulata</i> , <i>Annona</i> <i>squamosa</i> (sugar apple), <i>Avverhoa carambola</i> (belimbing, carambola, star fruit), <i>Cananga odorata</i> (kenanga, cadmia), <i>Carica</i> <i>papaya</i> (pepaya, papaya),	buah (fruits), media tanam (growing media associated with plants), tanah (soil)	Oceania: Australia, Papua New Guinea.

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<p><i>Citrus</i> spp. (jeruk, orange),  <i>Clausena lansium</i>,  <i>Calophyllum inophyllum</i>  (nyamplung, Alexandrian  laurel), <i>Coffea</i> spp. (kopi,  coffee), <i>Capsicum annuum</i>  (cabai besar, paprika, bell  pepper), <i>Crateva religiosa</i>,  <i>Chrysophyllum cainito</i> (kenitu,  sawo duren, cainito),  <i>Casimiroa edulis</i>,  <i>Cyphomandra betacea</i>,  <i>Diospyros blancoi</i>, <i>Diospyros</i>  <i>kaki</i> (kesemek, persimmon),  <i>Eriobotrya japonica</i> (lokwat,  loquat), <i>Eugenia dombeyi</i>,  <i>Eugenia uniflora</i>, <i>Feijoa</i>  <i>sellowiana</i>, <i>Fortunella japonica</i>  (kumkwat, kumquat), <i>Malus</i>  <i>domestica</i> (apel, apple),  <i>Malpighia emarginata</i>,  <i>Mangifera indica</i> (mangga,  mango), <i>Morus nigra</i> (murbei,  mulberry), <i>Musa x paradisiaca</i></p>		

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			(pisang kepok, plantain), <i>Muntingia calabura</i> (kersen, talok, Jamaica cherry), <i>Myrciaria cauliflora</i> , <i>Psidium</i> <i>guajava</i> (jambu biji, guava), <i>Passiflora</i> spp, <i>Phoenix</i> <i>dactylifera</i> (kurma, date- palm), <i>Pouteria caimito</i> , <i>Prunus americana</i> (aprikot, apricot), <i>Prunus domesticum</i> (prem, plum), <i>Prunus persica</i> (persik, peach), <i>Pyrus</i> <i>communis</i> (pir, pear), <i>Rollinia</i> <i>mucosa</i> , <i>Rubus rosaefolius</i> , <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum laciniatum</i> , <i>Solanum seaforthianum</i> , <i>Spondias mombin</i> , <i>Spondias</i> <i>purpurea</i> , <i>Synsepa lum</i> <i>dulcificum</i> , <i>Syzygium</i> spp., <i>Terminalia catappa</i> (ketapang, Indian almond), <i>Vitis labrusca</i> , <i>Ziziphus jujuba</i> .		
40.	<i>Bactrocera passiflorae</i> (Froggatt);	II	<i>Anacardium occidentale</i> ,	buah (fruits),	Oceania: Fiji, Niue,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	(Syn. <i>Bactrocera (Bactrocera) passiflorae</i> (Froggat), <i>Chaetodacus passiflorae</i> (Froggat), <i>Dacus passiflorae</i> (Froggat), <i>Strumeta passiflorae</i> (Froggat)); (Diptera: Tephritidae); Fijian fruit fly		<i>Artocarpus altilis</i> , <i>Carica papaya</i> (pepaya, papaya), <i>Citrus</i> spp. (jeruk, orange), <i>Citrus aurantifolia</i> , <i>Citrus reticulata</i> , <i>Mangifera indica</i> (mangga, mango), <i>Passiflora edulis</i> , <i>Passiflora quadrangularis</i> (markisa, passion-fruit, granadilla), <i>Persea americana</i> (avokad, avocado), <i>Psidium guajava</i> (jambu biji, guava) <i>Theobroma cacao</i> (kakao, cocoa)	media tanam (growing media associated with plants), tanah (soil)	Tonga, Tuvalu, Wallis-Futuna
41.	<i>Bactrocera psidii</i> (Frogg.); (Syn. <i>Dacus ornatissimus</i> Frogg., <i>Dacus psidii</i> (Frogg.), <i>D. virgatus</i> Coquillett, <i>Strumeta psidii</i> (Frogg.), <i>Tephritis psidii</i> (Frogg.)); (Diptera: Tephritidae); South Sea guava fruit fly	II	<i>Aleurites moluccana</i> (kemiri, candle nut), <i>Anacardium occidentale</i> (jambu mete, cashew-nut), <i>Annona muricata</i> , <i>Annona reticulata</i> , <i>Annona squamosa</i> (srikaya, sweetsop), <i>Carica papaya</i> (pepaya, papaya), <i>Cerbera manghas</i> , <i>Caryophyllus</i> sp., <i>Citrus maxima</i> (jeruk Bali, pummelo), <i>Diospyros bicolor</i> ,	buah (fruits), media tanam (growing media associated with plants), tanah (soil)	Oceania: New Caledonia

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<i>Diospyros kaki</i> , <i>Diospyros macrocarpa</i> , <i>Eugenia uniflora</i> , <i>Diospyros</i> sp., <i>Ficus</i> spp., <i>Mangifera indica</i> (mangga, mango), <i>Malphigia glabra</i> , <i>Morus alba</i> , <i>Psidium cattleianum</i> , <i>Psidium guajava</i> (jambu biji, guava), <i>Prunus granatum</i> , <i>Prunus domestica</i> (prem, plum), <i>Prunus persica</i> (persik, peach), <i>Syzygium aquea</i> (jambu air, star apple), <i>Syzygium jambos</i> , <i>Syzygium malaccense</i> (jambu bol, malay apple), <i>Terminalia catappa</i> (ketapang, Indian almond), <i>Thevetia peruviana</i> , <i>Vitis vinifera</i> (anggur, grape)		
42.	<i>Bactrocera pyrifoliae</i> Drew & Hancock; (Diptera: Tephritidae); pyrifolia fruit fly	II	<i>Psidium guajava</i> (jambu biji, guava), <i>Prunus persica</i> (persik, peach), <i>Pyrus pyrifolia</i> (Pear)	buah (fruits), media tanam (growing media associated with plants),	Asia: Thailand, Vietnam

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				tanah (soil)	
43.	<i>Bactrocera tryoni</i> (Froggatt); (Syn. <i>Bactrocera (Bactrocera) tryoni</i> (Froggat), <i>Chaetodacus sarcocephali</i> Tryon, <i>Chaetodacus tryoni</i> (Froggat), <i>Dacus ferrugineus tryoni</i> (Froggat), <i>Dacus tryoni</i> (Froggat), <i>Strumeta</i> <i>melas</i> Perkins & May, <i>Strumeta tryoni</i> (Froggat), <i>Tephritis tryoni</i> Froggat); (Diptera: Tephritidae); Queensland fruit fly	II	<i>Achras</i> (= <i>Manilkara</i> ) <i>zapota</i> (sawo, sapodilla), <i>Aegle</i> <i>marmelos</i> (maja, bael fruit), <i>Anacardium occidentale</i> (jambu mete, cashew-nut), <i>Anona</i> spp, <i>Averrhoa</i> <i>carambola</i> (belimbing, star- fruit), <i>Annona squamosa</i> (srikaya, sweetsop), <i>Averrhoa</i> <i>bilimbi</i> (belimbing sayur, bilimbi), <i>Blighia sapida</i> , <i>Carica</i> <i>papaya</i> (pepaya, papaya), <i>Coffea</i> spp. (kopi, coffee), <i>Capsicum annuum</i> (cabai besar, paprika, bell-pepper), <i>Chrysophyllum cainito</i> , <i>Casimiroa edulis</i> , <i>Cananga</i> <i>odorata</i> (kenanga, cadmia), <i>Citrus</i> spp., <i>Clausena lansium</i> , <i>Calophyllum inophyllum</i> (nyamplung, alexander laurel), <i>Cucurbita maxima</i> (waluh, labu	buah (fruits), media tanam (growing media associated with plants), tanah (soil)	Oceania: Australia, French Polynesia, New Caledonia

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			parang, pumpkin), <i>Cydonia oblonga</i> (kwinsi, quince), <i>Cyphomandra betacea</i> , <i>Dimocarpus longan</i> (kelengkeng, longan), <i>Dimocarpus litchii</i> (leci,litchii), <i>Diospyros blancoi</i> , <i>Diospyros kaki</i> (kesemek, persimmon), <i>Dovyalis caffra</i> , <i>Eriobotrya japonica</i> (lokwat, loquat), <i>Eremocitrus glauca</i> , <i>Eugenia dombeyi</i> , <i>Eugenia uniflora</i> , <i>Fortunella japonica</i> (kumkwat, kumquat), <i>Feijoa sellowiana</i> , <i>Ficus racemosa</i> , <i>Flacourtia jangomas</i> , <i>Flacourtia rukam</i> (rukem, rukam), <i>Fortunellax crassifolia</i> , <i>Grewia asiatica</i> , <i>Juglans regia</i> (walnut, walnut), <i>Malus sylvestris</i> (crab-apple), <i>Malpighia emarginata</i> , <i>Mimusops elengi</i> (tanjung, asian bulletwood), <i>Momordica charantia</i> (paria,		

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			bitter gourd), <i>Morus alba</i> (murbei, mulberry), <i>Musa                      paradisiaca</i> (pisang kepok, plantain), <i>Myrciaria cauliflora</i> , <i>Mangifera indica</i> (mangga, mango), <i>Morus nigra</i> , <i>Nephelium lappaceum</i> (rambutan, rambutan), <i>Nerium oleander</i> , <i>Olea europea                      subsp. europea</i> (zaitum, olive), <i>Opuntia ficus-indica</i> , <i>Passiflora                      quadrangularis</i> (markisa, passion-fruit, granadilla), <i>Passiflora suberosa</i> , <i>Prunus                      persica</i> (persik, peach), <i>Psidium cattleianum</i> , <i>Psidium                      guajava</i> (jambu biji, guava), <i>Passiflora foetida</i> , <i>Passiflora                      quadrangularis</i> (markisa, passion fruit, granadilla), <i>Persea americana</i> (avocad, avocado), <i>Phoenix dactylifera</i> (kurma, dates-palm), <i>Physalis                      peruviana</i> (gooseberry),		



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			<p><i>Pometia pinnata</i>, <i>Pouteria campechiana</i>, <i>Pouteria caimito</i>, <i>Pouteria sapota</i>, <i>Prunus</i> spp., <i>Psidium guineense</i>, <i>Punica granatum</i> (delima, pomegranate), <i>Phyllanthus acidus</i>, <i>Pyrus communis</i> (pir, pear), <i>Rollinia mucosa</i>, <i>Rollinia pulchrinervis</i>, <i>Rubus fruticosus</i>, <i>Rubus ursinus</i>, <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum melongena</i> (terung, aubergine, eggplant), <i>Solanum</i> spp., <i>Spondias</i> spp., <i>Synsepalum dulcificum</i>, <i>Syzygium</i> spp., <i>Syzygium</i> spp, <i>Terminalia catappa</i> (ketapang, Indian almond), <i>Thevetia peruviana</i>, <i>Trichosanthes cucumerina</i>, <i>Vitis labrusca</i>, <i>Vitis vinifera</i> (anggur, grapevine), <i>Ziziphus mauritiana</i></p>		
44.	<i>Bactrocera tsuneonis</i> (Miyake);	II	<i>Citrus</i> spp.(jeruk, orange),	buah (fruits),	Asia: China, Japan,

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	(Syn. <i>Dacus chenia</i> , <i>D. tsuneonis</i> , <i>Tetradacus tsuneonis</i> ); (Diptera: Tephritidae); Japanese orange fly, citrus fruit fly		<i>Citrus aurantium</i> , <i>Citrus reticulata</i> , <i>Citrus sinensis</i> , <i>Fortunella margarita</i> (oval kumquat), <i>Fortunella x crassifolia</i> , <i>Musa</i> spp. (pisang, banana)	media tanam (growing media associated with plants), tanah (soil)	Taiwan, Vietnam
45.	<i>Bactrocera zonata</i> (Saunders, 1841); (Syn. <i>Bactrocera maculigera</i> Doleshall (misidentification), <i>Chaetodacus zonatus</i> (Saunders), <i>Dacus (Strumeta) zonatus</i> , <i>Dacus mangiferae</i> Cotes, 1893, <i>Dacus persicae</i> , <i>Dacus persicus</i> (Biggot), <i>Dacus zonatus</i> (Saunders), <i>Dasyneura zonata</i> Saunders, <i>Dasyneura zonatus</i> Saunders, 1942, <i>Rivellia persicae</i> Bigot, 1889, <i>Strumeta zonata</i> (Saunders), <i>Strumeta zonatus</i> Saunders); (Diptera: Tephritidae); peach fruitfly, peach fruit fly, guava fruit fly	II	<i>Aegle marmelos</i> (golden apple), <i>Annona squamosa</i> (sugar apple), <i>Careya arborea</i> (tummy wood), <i>Carica papaya</i> (pepaya, papaya), <i>Citrus</i> , <i>Cydonia oblonga</i> (quince), <i>Ficus carica</i> (common fig), <i>Grewia asiatica</i> (phalsa), <i>Luffa</i> , <i>Malus domestica</i> (apel, apple), <i>Mangifera indica</i> (mango, mangga), <i>Momordica charantia</i> (paria, bitter gourd), <i>Phoenix dactylifera</i> (kurma, date-palm), <i>Prunus persica</i> (persik, peach), <i>Psidium guajava</i> (jambu biji, guava), <i>Punica granatum</i> (pomegranate), <i>Solanum</i>	buah (fruits), media tanam (growing media associated with plants), tanah (soil)	Africa: Egypt, Libya, Mauritius, Reunion, Sudan Asia: Bangladesh, Bhutan, India, Iran, Iraq, Israel, Lao PDR (Laos), Myanmar, Nepal, Oman, Pakistan, Saudi Arabia, Sri Lanka, Thailand, United Arab Emirates, Vietnam, Yemen

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			<i>tuberosum</i> (kentang, potato), <i>Terminalia catappa</i> (ketapang, Indian almond)		
46.	<i>Busseola fusca</i> Fuller; (Syn. <i>Busseola sorghicida</i> Thureau, <i>Calamistis fusca</i> Fuller, <i>Sesamia fusca</i> Fuller); (Lepidoptera: Noctuidae); African maize stalk borer, maize stalk borer, maize stem borer, sorghum stalk/stem borer	II	<i>Eleusine coracana</i> (finger millet), <i>Hyparrhenis rufa</i> (Jaragua grass), <i>Hyparrhenia tamba</i> , <i>Megathyrsus maximus</i> (Guinea grass), <i>Oryza sativa</i> (padi, paddy, rice), <i>Pennisetum glaucum</i> (bajra, pearl-millet), <i>Pennisetum purpureum</i> (elephant grass), <i>Rotboellia cochinchinensis</i> (itch grass), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Sorghum bicolor</i> subsp. <i>Verticiliformum</i> , <i>Sorghum halepense</i> (Johnson grass), <i>Zea mays</i> (jagung, corn, maize)	akar (roots), batang (stems (above ground), trunks, shoots, branches), bunga (flowers, inflorescence s, cones, calyx), daun (leaves), stalk	Africa: Angola, Benin, Burkina Faso, Burundi, Cameroon, Chad, DR Congo, Eritrea, Ethiopia, Gabon, Ghana, Guinea, Ivory Coast, Kenya, Lesotho, Malawi, Mozambique, Nigeria, Rwanda, Sierra Leone, Somalia, South Africa, Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe
47.	<i>Carpomya pardalina</i> Bigot; (Syn. <i>Carpomyia caucasia</i> Zaitzev, 1919, <i>Myiopardalis carpalina</i> , <i>Myiopardalis caucasia</i> (Zaitzev),	II	<i>Citrullus lanatus</i> (semangka, watermelon), <i>Cucumis melo</i> (melon, melon), <i>Cucumis sativus</i> (mentimun,	buah (fruits), media tanam (growing media	Asia: Afghanistan, Georgia, India, Iran, Iraq, Israel, Jordan, Kazakhstan, Kyrgyzstan,

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	<i>Myiopardalis pardalina</i> (Biggot); (Diptera: Tephritidae); Baluchistan fruit fly		cucumber), <i>Cucurbita maxima</i> (waluh, labu parang, pumpkin), Cucurbitaceae	associated with plants), tanah (soil)	Lebanon, Pakistan, Syria, Tajikistan, Turkey, Turkmenistan, Uzbekistan Europe: Armenia, Azerbaijan, Cyprus, Russian Federation, Ukraine
48.	<i>Caliothrips masculinus</i> Hood; (Thysanoptera: Thripidae)	II	<i>Manihot esculenta</i> (ubi kayu, cassava)	daun (leaves)	America: Trinidad and Tobago
49.	<i>Carposina sasakii</i> Matsumura; (Syn. <i>Carposina niponensis</i> Walsingham, <i>Carposina persicana</i> (Ftch), <i>Cydia persicana</i> Sasaki); (Lepidoptera: Carposinidae); peach fruit moth, peach fruit borer	II	<i>Aronia arbutifolia</i> , <i>Chaenomeles japonica</i> , <i>Cornus</i> <i>mas</i> , <i>Cratageus cuneata</i> , <i>Cydonia oblonga</i> (quince), <i>Eriobotrya japonica</i> (lokwat, loquat), <i>Malus</i> spp., <i>Malus</i> <i>domestica</i> (apel, apple), <i>Pyrus</i> <i>communis</i> (pir, pear), <i>Prunus</i> <i>persica</i> (persik, peach), <i>Phoenix dactylifera</i> (kurma, dates-palm), <i>Prunus</i> <i>americana</i> (aprikot, apricot), <i>Prunus cerasus</i> (ceri, cherry), <i>Prunus domestica</i> (prem,	buah (fruits)	Asia: China, DPR Korea (North Korea), Japan, Republic of Korea (South Korea) Europe: Russian Federation

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			plum), <i>Prunus dulcis</i> (almon, badam, almond), <i>Sorbus aucuparia</i> , <i>Ziziphus jujube</i>		
50.	<i>Caulophilus oryzae</i> (Gyllenhal, 1838); (Syn. <i>Caulophilus latinasus</i> (auct, non Say), <i>Rhyncolus oryzae</i> Gyllenhal, 1838); (Coleoptera: Curculionidae); broad nosed grain weevil, broad nosed granary weevil	II	<i>Cicer arietinum</i> (kacang arab, chickpea), <i>Panicum miliaceum</i> (millet), <i>Pennisetum</i> spp., <i>Zea mays</i> (jagung, corn, maize), <i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Persea americana</i> (avokad, avocado), <i>Zingiber officinale</i> (jahe, ginger)	akar (roots), biji (true seeds (inc. grain), akar rimpang (rhizome), umbi (bulbs, tubers, corms)	America: Cuba, Guatemala, Jamaica, Mexico, Panama, Puerto Rico, USA Europe: Portugal
51.	<i>Cephus cinctus</i> Norton; (Syn. <i>Cephus occidentalis</i> ); (Hymenoptera: Cephidae); wheat stem sawfly, western wheat-stem fly	II	Agropyron, Elymus, <i>Hordeum vulgare</i> (barli, barley), Phleum, serealea (cereal), <i>Triticum aestivum</i> (gandum, wheat)	batang, kayu	America: Canada, USA Asia: Kazakhstan Europe: Russian Federation
52.	<i>Ceratitis capitata</i> (Wiedemann); (Syn. <i>Ceratitis citriperda</i> MacLeay, <i>Ceratitis hispanica</i> Breme, <i>Pardalaspis asparagi</i> Bezzi, <i>Tephritis capitata</i> Wiedemann); (Diptera: Tephritidae); Mediterranean fruit fly, medfly	II	<i>Achras</i> (= <i>Manilkara</i> ) <i>zapota</i> (sawo, sapodilla), <i>Anacardium occidentale</i> (jambu mete, cashew-nut), <i>Annona</i> spp., <i>Annona reticulata</i> , <i>Coffea</i> spp. (kopi, coffee), <i>Capsicum annuum</i> (cabai besar, paprika,	buah (fruits (inc. pods)), media tanam (growing media associated with plants),	Africa: Algeria, Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Comoros, DR Congo, Congo, Egypt, Ethiopia, Gabon, Ghana, Guinea,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			bell-pepper), <i>Carica papaya</i> (pepaya, papaya), <i>Citrus</i> spp.(jeruk, orange), <i>Citrus</i> spp, <i>Carissa</i> spp., <i>Chrysophyllum cainito</i> , <i>Casimiroa edulis</i> , <i>Cyphomandra betacea</i> , <i>Chrysophyllum oliviforme</i> , <i>Cydonia oblonga</i> (quince), <i>Diospyros</i> spp., <i>Dovyalis caffra</i> , <i>Eugenia</i> spp., <i>Eriobotrya japonica</i> (lokwat, loquat), <i>Eugenia dombeyi</i> , <i>Eugenia uniflora</i> , <i>Feijoa sellowiana</i> , <i>Fortunella japonica</i> (kumkwat, kumquat), <i>Dimocarpus litchii</i> (leci,litchii), <i>Garcinia livingstonei</i> , <i>Garcinia mangostana</i> (manggis, mangosteen), <i>Gossypium barbadens</i> (kapas, cotton), <i>Juglans regia</i> , <i>Malus domestica</i> (apel, apple), <i>Malpighia glabra</i> , <i>Mangifera</i>	tanah (soil)	Ivory Coast, Kenya, Liberia, Libya, Madagascar, Malawi, Mali, Morocco, Mauritius, Mozambique, Niger, Nigeria, Réunion, Saint Helena, Sao Tome and Principe, Senegal, Seychelles, Sierra Leone, South Africa, Sudan, Swaziland, Tanzania, Togo, Tunisia, Uganda, Zambia, Zimbabwe America: Argentina, Bolivia, Brazil, Chile, Colombia, Costa Rica, Ecuador, El Salvador, Guatemala, Honduras, Nicaragua, Panama, Paraguay, Peru, USA, Uruguay, Venezuela Asia: China, Iran, Iraq, Israel, Jordan, Lebanon, Saudi Arabia, Syria,

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			<p><i>indica</i> (mangga, mango),  <i>Morus</i>, <i>Mespilus germanica</i>,  <i>Muntingia calabura</i> (kersen,  talok, jamaica cherry),  <i>Opuntia</i> spp., <i>Passiflora</i>  <i>coerulea</i>, <i>Phoenix dactylifera</i>  (kurma, dates-palm), <i>Physalis</i>  <i>peruviana</i>, <i>Psidium longipes</i>,  <i>Pouteria viridis</i>, <i>Punica</i>  <i>granatum</i> (delima,  pomegranate), <i>Persea</i>  <i>americana</i> (avokad, avocado),  <i>Psidium guajava</i> (jambu biji,  guava), <i>Pouteria sapota</i>,  <i>Prunus americana</i> (aprikot,  apricot), <i>Prunus domestica</i>  (prem, plum), <i>Prunus persica</i>  (persik, peach), <i>Pyrus</i>  <i>communis</i> (pir, pear), <i>Rubus</i>  <i>loganobaccus</i>, <i>Santalum</i>  <i>album</i>, <i>Solanum</i> spp.,  <i>Spondias cytherea</i>, <i>Syzygium</i>  spp., <i>Solanum lycopersicum</i>  (tomat, tomato), <i>Spondias</i></p>		<p>Turkey, Yemen  Europe: Albania, Bosnia  and Herzegovina,  Bulgaria, Croatia,  Cyprus, France, Greece,  Italy, Malta, Montenegro,  North Macedonia,  Portugal, Romania,  Russian Federation,  Serbia, Slovenia, Spain,  Switzerland  Oceania: Australia</p>

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			<i>purpurea, Syzygium aquea</i> (jambu air, star apple), <i>Terminalia catappa</i> (ketapang, Indian almond), <i>Theobroma cacao</i> (kakao, cocoa), <i>Thevetia peruviana</i> , <i>Vitis vinifera</i> (anggur, grapevine)		
53.	<i>Ceratitis cosyra</i> (Walker); (Syn. <i>Ceratitis giffardi</i> Bezzi, <i>Pardalaspis cosyra</i> (Walker), <i>P. giffardi</i> (Bezzi), <i>Pardalaspis giffardi</i> var. <i>Sarcocephali</i> Bezzi, <i>Pardalaspis parinarii</i> Hering, <i>Pardalaspis sarcocephali</i> (Bezzi), <i>Trypeta cosyra</i> Walker); (Diptera: Tephritidae); mango fruit fly, marula fruit fly	II	<i>Anisophyllea laurina</i> , <i>Annona</i> spp, <i>Annona cherimola</i> , <i>Annona muricata</i> , <i>Annona reticulata</i> , <i>Annona senegalensis</i> , <i>Canopharyngia penduliflora</i> , <i>Citrus aurantium</i> (jeruk nipis, lime), <i>Chrysobalanus</i> sp., <i>Diospyros mespiliformis</i> , <i>Dovyalis caffra</i> , <i>Landolphia</i> sp., <i>Mangifera indica</i> (mangga, mango), <i>Nauclea latifolia</i> , <i>Parinari mobola</i> , <i>Persea americana</i> (avokad, avocado), <i>Prunus persica</i> (persik, peach), <i>Psidium guajava</i> (jambu biji, guava), <i>Saba senegalensis</i> ,	buah (fruits (inc. pods)), media tanam (growing media associated with plants), tanah (soil)	Africa: Angola, Benin, Botswana, Burkina Faso, Cameroon, Central African Republic, DR Congo, Guinea, Ivory Coast, Kenya, Madagascar, Malawi, Mali, Mozambique, Nigeria, Senegal, Sierra Leone, South Africa, Sudan, Tanzania, Togo, Zambia, Zimbabwe



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			<i>Sclerocarya birrea</i> , <i>Sarcocephalus esculentus</i> , <i>Uapaca kirkiana</i> , <i>Warburgia ugandensis</i>		
54.	<i>Ceratitis punctata</i> (Wiedemann); (Syn. <i>Pardalaspis punctata</i> (Wiedemann), <i>Pardalaspis senegalensis</i> (Macquart), <i>Tephritis senegalensis</i> Macquart); (Diptera: Tephritidae); cacao fruit fly	II	<i>Coffea</i> spp. (kopi, coffee), <i>Cucumis melo</i> (melon, melon), <i>Chrysophyllum albidum</i> , <i>Mangifera indica</i> (mangga, mango), <i>Psidium guajava</i> (jambu biji, guava), <i>Passiflora quadrangularis</i> (markisa, granadilla, passion fruit), <i>Theobroma cacao</i> (kakao, cocoa)	buah (fruits (inc. pods)), media tanam (growing media associated with plants), tanah (soil)	Africa: Cameroon, DR Congo, Congo, Ghana, Guinea, Kenya, Senegal, Sierra Leone, South Africa, Tanzania, Uganda, Zambia, Zimbabwe
55.	<i>Ceratitis quinaria</i> (Bezzi); (Syn. <i>Pardalaspis quinaria</i> ); (Diptera: Tephritidae); Rhodesian fruit fly	II	<i>Citrus</i> spp. (jeruk, orange), <i>Psidium guajava</i> (jambu biji, guava), <i>Prunus americana</i> (aprikot, apricot), <i>Prunus persica</i> (persik, peach)	buah (fruits (inc. pods)), media tanam (growing media associated with plants), tanah (soil)	Africa: Angola, Benin, Botswana, Burkina Faso, Cameroon, Ethiopia, Ivory Coast, Malawi, Mali, Mozambique, Namibia, Senegal, South Africa, Sudan, Tanzania, Zimbabwe Asia: Yemen
56.	<i>Ceratitis rosa</i> Karsch.;	II	<i>Achras (=Manilkara) zapota</i>	buah (fruits	Africa: Ethiopia, Kenya,

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	(Syn. <i>Pterandrus rosa</i> (Karsch)); (Diptera: Tephritidae); Natal fruit fly		(sawo, sapodilla), <i>Annona reticulate</i> (fruit nona, custard apple), <i>Averrhoa carambola</i> (belimbing, star-fruit), <i>Carissa macrocarpa</i> , <i>Citrus</i> spp. (jeruk, orange), <i>Coffea</i> spp. (kopi, coffee), <i>Carica papaya</i> (pepaya, papaya), <i>Citrus</i> spp, <i>Capsicum annuum</i> (cabai besar, paprika, bell-pepper), <i>Cydonia oblonga</i> (kwinsi, quince), <i>Dimocarpus litchii</i> (leci, litchii), <i>Eriobotrya japonica</i> (lokawat, loquat), <i>Eugenia uniflora</i> , <i>Ficus carica</i> (ara, fig), <i>Garcinia mangostana</i> (manggis, mangosteen), <i>Malus domestica</i> (apel, apple), <i>Mangifera indica</i> (mangga, mango), <i>Persea americana</i> (avokad, avocado), <i>Prunus persica</i> (persik, peach), <i>Psidium guajava</i> (jambu biji, guava), <i>Prunus domestica</i>	(inc. pods)), media tanam (growing media associated with plants), tanah (soil)	Lesotho, Malawi, Mozambique, Réunion, Seychelles, South Africa, Swaziland, Tanzania, Zambia, Zimbabwe

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			(prem, plum), <i>Prunus americana</i> (aprikot, apricot), <i>Psidium longipes</i> , <i>Pyrus communis</i> (pir, pear), <i>Syzygium</i> spp., <i>Solanum lycopersicum</i> (tomat, tomato), <i>Terminalia catappa</i> (ketapang, Indian almond), <i>Theobroma cacao</i> (kakao, cocoa), <i>Vitis vinifera</i> (anggur, grapevine), <i>Ziziphus jujube</i>		
57.	<i>Chaetocnema confinis</i> Crotch, 1873; (Syn. <i>Chaetocnema etiennei</i> Jolivet, 1979, <i>Chaetocnema flavicornis</i> LeConte, 1878, <i>Chaetocnema perplexa</i> Blake); (Coleoptera: Chrysomelidae); flea beetle; sweet potato flea beetle; flea beetle.	II	<i>Abutilon hybridum</i> (Indian mallow), <i>Acer negundo</i> (box elder), <i>Acer platanoides</i> (Norway maple), <i>Aesculus</i> (buckeye), <i>Amaranthus retroflexus</i> (redroot pigweed), <i>Arctium minus</i> (common burdock), <i>Avena sativa</i> (oats), <i>Beta vulgaris</i> (bit, beetroot), <i>Beta vulgaris</i> var. <i>saccharifera</i> (bit gula, sugar beet), <i>Brassica napus</i> var. <i>napus</i> (rape), <i>Brassica rapa</i> ssp. <i>oleifera</i>	daun (leaves), tunas (buds), bibit tanaman (seedlings), umbi (bulbs, tubers, corms, rhizomes)	Africa: Comoros, Gambia, Ghana, Madagascar, Malawi, Mauritius, Réunion, Senegal, Seychelles, South Africa America: Brazil, Canada, Ecuador, El Salvador, USA Asia: Japan, Taiwan, Thailand, Vietnam Europe: Guernsey Oceania: French Polynesia, Guam,

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			(turnip rape), <i>Catalpa bignonioides</i> (Southern catalpa), <i>Calystegia sepium</i> (great bindweed), <i>Fragaria vesca</i> (wild strawberry), <i>Fraxinus americana</i> (white ash), <i>Glycine max</i> (kedelai, soyabean), <i>Gossypium</i> (kapas, cotton), <i>Helianthus tuberosus</i> (Jerusalem artichoke), <i>Hibiscus</i> (rosemallows), <i>Ipomoea aquatica</i> (swamp morning-glory), <i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Ipomoea pandurata</i> (bigroot morningglory (USA)), <i>Malus domestica</i> (apel, apple), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Mucuna</i> (velvetbeans), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Phaseolus lunatus</i> (lima bean), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Pharbitis</i>		Marshall Islands, Palau

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			<p><i>purpurea</i> (Tall morning glory), <i>Prunus americana</i> (aprikot, apricot), <i>Prunus avium</i> (sweet cherry), <i>Prunus virginiana</i> (common chokecherry tree), Rubus (blackberry, raspberry), Secale cereale (rye), <i>Solanum</i> <i>lycopersicum</i> (tomat, tomato), <i>Solanum nigrum</i> (leunca, black nightshade), <i>Solanum</i> <i>tuberosum</i> (kentang, potato), <i>Tilia americana</i> (basswood), <i>Trifolium pratense</i> (purple clover), <i>Triticum aestivum</i> (gandum, wheat), <i>Vitis vinifera</i> (anggur, grapevine), <i>Zea mays</i> (jagung, corn, maize)</p>		
58.	<p><i>Chaetosiphon fragaefolii</i> Cockerell; (Syn. <i>Capitophorus fragaefolii</i> Coclerell, <i>Capitophorus fragariae</i> Theobald, <i>Chaetosiphon fragariae</i>, <i>Myzus fragaefolii</i>, <i>Myzus fragariae</i> Theobald, 1912, <i>Passerinia fragaefolii</i>, <i>Pentatrichopus fragaefolii</i> Cockerell,</p>	II	<p><i>Fragaria ananassa</i> (stroberi, strawberry), <i>Fragaria</i> <i>chiloensis</i> (Chilean strawberry), <i>Fragaria vesca</i> (wild strawberry), <i>Fragaria</i> <i>vesca</i> var. <i>semperflorens</i> (Perpetual strawberry), <i>Rosa</i></p>	bibit tanaman (seedlings), daun (leaves), tunas (buds)	<p>America: Argentina, Bolivia, Canada, USA Asia: Israel, Japan, Philippines Europe: Belgium, Bulgaria, France, <b>Germany</b>, Italy,</p>

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	<i>Pentatrichopus fragariae</i> ); (Hemiptera: Aphididae); strawberry aphid		<i>rugosa</i>		Macedonia, Portugal, Montenegro, Serbia, Spain, Switzerland, United Kingdom Oceania: Australia, New Zealand
59.	<i>Chilo orichalcociliellus</i> (Strand); (Syn. <i>Chilotraea argyrolepis</i> , <i>Diatraea argyrolepis</i> , <i>Proceras argyrolepis</i> , <i>P. Argyrolepidus</i> , <i>P. Orichalcociliella</i> , <i>Chilo argyrolepis</i> , <i>Diatraea orichalcociliella</i> ); (Lepidoptera: Crambidae); coastal stalk borer	II	Poaceae, <i>Panicum miliaceum</i> , <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Zea mays</i> (jagung, corn, maize)	batang (stems), daun (leaves), tangkai (stalk), tongkol (ear)	Africa: Burundi, Kenya, Madagascar, Rwanda, Tanzania, Uganda
60.	<i>Chnootriba similis</i> (Thunberg); (Syn. <i>Epilachna similis</i> (Thunberg)); (Coleoptera: Coccinellidae); maize ladybird, maize ladybird beetle, cereal ladybird	II	<i>Oryza sativa</i> (padi, paddy, rice) <i>Pennisetum</i> spp., <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Triticum aestivum</i> (gandum, wheat), <i>Zea mays</i> (jagung, corn, maize).	batang (stems), daun (leaves)	Africa: Ethiopia, Ghana, Kenya, Nigeria, Senegal, South Africa, Sudan, Tanzania, Uganda, Zimbabwe
61.	<i>Cholus cattleyae</i> Champion, 1916; (Coleoptera: Curculionidae); cattleya weevil	II	anggrek (Orchidaceae)	seluruh bagian tanaman (whole plants)	America: USA

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62.	<i>Chrysobothris femorata</i> Oliv.; (Coleoptera: Buprestidae); flatheaded apple-tree borer	II	<i>Malus domestica</i> (apel, apple), <i>Prunus persica</i> (persik, peach), <i>Pyrus communis</i> (pir, pear), other stone fruit (buah batu lainnya)	batang (stems), daun (leaves), tunas (buds)	America: Canada, Mexico, USA
63.	<i>Chrysobothris mali</i> Horn.; (Coleoptera: Buprestidae); Pacific flatheaded apple tree borer	II	<i>Malus domestica</i> (apel, apple), <i>Prunus persica</i> (persik, peach), <i>Pyrus communis</i> (pir, pear), other stone fruit (buah batu lainnya)	batang (stems), daun (leaves), tunas (buds)	America: Canada, USA
64.	<i>Cicadulina bipunctata</i> (Melichar); (Syn. <i>Cicadulina bipunctata</i> <i>bipunctella</i> , <i>Cicadulina bipunctella</i> , <i>Cicadulina bipunctella zae</i> , <i>Cicadulina zae</i> , <i>Gnathodus</i> <i>bipunctata</i> ); (Hemiptera: Cicadellidae); maize leaf hopper, sorghum jassid	II	<i>Oryza sativa</i> (padi, paddy, rice), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Saccharum</i> <i>officinarum</i> (tebu, sugarcane), <i>Triticum aestivum</i> (gandum, wheat), <i>Zea mays</i> (jagung, corn, maize)	batang (stems), daun (leaves)	Africa: Egypt, Ethiopia Asia: China, Japan, Philippines, Syria, Taiwan, Turkey Europe: Italy Oceania: Australia, Papua New Guinea
65.	<i>Cicadulina latens</i> Fennah, 1959; (Hemiptera: Cicadellidae); Maize leaf hopper	II	<i>Zea mays</i> (jagung, corn, maize)	batang (stems), daun (leaves)	Africa: Cameroon, Ethiopia, Ghana, Gambia, Guinea, Ivory Coast, Kenya, Liberia, Mali, Nigeria, Senegal, Sudan, Somalia,

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					Tanzania, Uganda
66.	<i>Cicadulina mbila</i> (Naude); (Syn. <i>Balclutha mbila</i> (Naude)); (Hemiptera: Cicadellidae); maize leafhopper	II	<i>Avena sativa</i> (oat, oat), <i>Cynodon</i> spp., <i>Digitaria sanguinalis</i> , <i>Eleusine coracana</i> , <i>Hordeum vulgare</i> (barli, barley), <i>Oryza glaberrima</i> , <i>Oryza sativa</i> (padi, paddy, rice), <i>Panicum</i> spp., <i>Paspalum conjugatum</i> , <i>Pennisetum</i> spp., <i>Pennisetum glaucum</i> , <i>Saccharum officinarum</i> (tebu, sugarcane), serealea (cerealialia), <i>Sorghum bicolor</i> (sorghum, sorghum), <i>Triticum aestivum</i> (gandum, wheat), <i>Zea mays</i> (jagung, corn, maize), <i>Zea perennis</i>	batang (stems), daun (leaves)	Africa: Angola, Botswana, Burkina Faso, Cameroon, Cape Verde, Congo, Ethiopia, Gambia, Kenya, Mauritius, Mozambique, Namibia, Nigeria, Reunion, South Africa, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe Asia: India, Tajikistan, Yemen
67.	<i>Cicadulina storeyi</i> China; (Syn. <i>Cicadulina nicholsi</i> , <i>Cicadulina triangula</i> ); (Hemiptera: Cicadellidae); maize leafhopper	II	Poaceae, <i>Pennisetum glaucum</i> , <i>Sorghum bicolor</i> (sorghum, sorghum), <i>Zea mays</i> (jagung, corn, maize)	batang (stems), daun (leaves)	Africa: Nigeria, Northwest Africa, Tanzania, Zimbabwe
68.	<i>Coccus alpinus</i> De Lotto. 1960;	II	<i>Citrus</i> spp. (jeruk, orange),	batang	Africa: Burundi, Kenya,



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	(Hemiptera: Coccidae); soft green scale		<i>Coffea</i> spp. (kopi, coffee), <i>Psidium guajava</i> (jambu biji, guava), <i>Syzygium aquea</i> (jambu air, star apple)	(stems), ranting (branches), daun (leaves), buah (fruit)	Rwanda, Tanzania, Uganda
69.	<i>Coccus elongatus</i> (Sanders, 1909); (Hemiptera: Coccidae); Scale insect	II	<i>Albizia falcataria</i> (L.), <i>Albazia</i> spp., <i>Acacia catechu</i> , <i>Acecia</i> , <i>elenoxylon</i> , <i>Coffee</i> spp. (Kopi, <i>coffee</i> )	batang (stems), ranting (branches), daun (leaves)	Africa: Ghana, Seychelles, Tanzania, Uganda America: Barbados Asia: India Europe: United Kingdom (England)
70.	<i>Coelaenomenodera elaeidis</i> Maulik, (Coleoptera: Chrysomelidae); hispid leafminer, oilpalm leafminer	II	<i>Borassus flabelifer</i> (lontar, toddy palm), <i>Cocos nucifera</i> (kelapa, coconut), <i>Elaeis</i> , <i>Pennisetum purpureum</i> (rumput gajah, elephant grass), <i>Roystonea regia</i> (palem raja, royal palm)	batang, daun	Africa: Angola, Benin, Botswana, Cameroon, Congo, DR Congo, Ghana, Ivory Coast, Namibia, Nigeria, Sierra Leone, South Africa, Swaziland, Zambia, Zimbabwe
71.	<i>Conotrachelus nenuphar</i> (Herbst, 1797); (Syn. <i>Curculio nenuphar</i> Herbts, 1797, <i>Rhynchaenus argula</i> Fabricius,	II	<i>Cydonia oblonga</i> (kwinsi, quince), <i>Diospyros kaki</i> (kesemek, persimmon), <i>Fragaria ananassa</i> (stroberi,	buah (fruit), tanah (soil)	America: Canada, USA

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	1801, <i>Rhynchaenus cerasi</i> Peck, 1819); (Coleoptera: Curculionidae); plum curculio, American, plum weevil, peach curculio		strawberry), <i>Malus domestica</i> (apel, apple), <i>Prunus americana</i> (aprikot, apricot), <i>Prunus japonica</i> , <i>Pyrus communis</i> (pir, pear), <i>Prunus persica</i> (persik, peach), <i>Prunus avium</i> , <i>Prunus domestica</i> (prem, plum), <i>Prunus cerasus</i> (ceri, cherry), other stone fruit, <i>Ribes</i> spp., <i>Vaccinium</i> spp., <i>Vitis vinifera</i> (anggur, grapevine), <i>Vitis rotundifolia</i>		
72.	<i>Coptotermes acinaciformis</i> Froggatt; (Isoptera: Rhinotermitidae); subterranean termite	II	<i>Pinus radiata</i> , <i>Saccharum officinarum</i> (tebu, sugarcane)	Batang (stems), kayu (woods), akar (roots), media tanam (growing media associated with plants), tanah (soil)	Oceania: Australia, Cook Islands, Fiji, Kiribati, Marshall Islands, Federated States of Micronesia, Nauru, New Zealand, Niue, Palau, Papua New Guinea, Samoa, Solomon Islands, Tonga, Tuvalu, Vanuatu
73.	<i>Coptotermes formosanus</i> Shiraki, 1909;	II	<i>Acer rubrum</i> , <i>Chamaecyparis thyoides</i> , <i>Cinnamomum</i>	batang (stems), kayu	Africa: South Africa America: USA

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	(Syn. <i>Coptotermes formosae</i> Holmgren, 1911, <i>Coptotermes hongkongensis</i> Oshima, 1914, <i>Coptotermes intrudens</i> Oshima, 1920, <i>Coptotermes remotus</i> Silvestri, 1928, <i>Termes gestroi</i> Oshima, 1911, <i>Termes raffrayi</i> Matsumura, 1910); (Isoptera: Rhinotermitidae); Formosan subterranean termite, Formosan termite		<i>camphora</i> , Eucalyptus, <i>Fraxinus berlandieriana</i> , <i>Liquidambar styracifua</i> , <i>Picea engelmannii</i> , Pinus (pines), Quercus (oak), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Taxodium distichum</i>	(woods), furniture	Asia: China, Taiwan
74.	<i>Coptotermes heimi</i> (Wasmann); (Isoptera: Rhinotermitidae)	II	<i>Acacia nilotica</i> (gum arabic tree), <i>Eucalyptus tereticornis</i> (forest red gum), <i>Morus</i> (mulberry tree), <i>Populus</i> (poplars), <i>Prunus domestica</i> (prem, plum), <i>Saccharum officinarum</i> (tebu, sugarcane)	batang, kayu, akar (roots)	Asia: Bangladesh, India, Pakistan
75.	<i>Corythucha marmorata</i> (Uhler, 1878); (Hemiptera: Tingidae); <i>Chrysanthemum</i> lace bug	II	<i>Chrysanthemum</i> spp. (krisan, chryasant)	batang (stems), daun (leaves), bunga (inflorescences)	America: USA Asia: Japan
76.	<i>Crioceris asparagi</i> (Linnaeus);	II	<i>Asparagus officinalis</i>	batang	America: Canada, USA.

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	(Coleoptera: Chrysomelidae); Asparagus beetle		(asparagus, asparagus)	(stems), daun (leaves), bunga (inflorescence s)	Europe: Albania, Andorra, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Greece, Hungary, Iceland, Italy, Latvia, Lithuania, Luxemburg, Malta, Moldova, Monaco, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, San Marino, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom
77.	<i>Cydia pomonella</i> Linnaeus;	II	<i>Malus domestica</i> (apel, apple),	buah (fruits)	Africa: Algeria, Egypt,

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	<p>(Syn. <i>Carpocapsa pomonana</i> Treitschke, <i>Carpocapsa pomonella</i> Linnaeus, <i>Enarmonia pomonella</i> Linnaeus, <i>Laspeyresia pomonella</i> Linnaeus, <i>Phalaena pomonella</i> Linnaeus); (Lepidoptera: Tortricidae); codling moth, walnut worm</p>		<p><i>Pyrus communis</i> (pir, pear), <i>Prunus americana</i> (aprikot, apricot), <i>Prunus persica</i> (persik, peach), <i>Prunus domestica</i> (prem, plum), <i>Prunus cerasus</i> (ceri, cherry), <i>Prunus dulcis</i> (almon, badam, almond), <i>Zea mays</i> (jagung, corn, maize)</p>		<p>Libya, Mauritius, Morocco, Portugal, South Africa, Tunisia America: Argentina, Bolivia, Brazil, Canada, Chile, Colombia, Mexico, Peru, Uruguay, USA Asia: Afghanistan, China, Georgia, India, Iran, Iraq, Israel, Jordan, Kazakhstan, Kyrgyzstan, Lebanon, Pakistan, Syria, Tajikistan, Turkey, Turkmenistan, Uzbekistan Europe: Albania, Armenia, Azerbaijan, Austria, Belarus, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, <b>Germany</b>, Greece, Hungary, Ireland, Italy,</p>

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					Latvia, Lithuania, Malta, Moldova, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand
78.	<i>Cylas puncticollis</i> Boheman, 1833; (Syn. <i>Cylas compressus</i> Hartmann); (Coleoptera: Apionidae); African sweet potato weevil, sweet potato weevil	II	Abelmoschus, <i>Astripomoea lachnosperma</i> , Boerhavia, Celosia, <i>Coffea</i> spp. (kopi, coffee), Commelina, Corchorus, Hibiscus, <i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Ipomoea eriocarpa</i> , <i>Sesamum indicum</i> (wijen, sesame), <i>Vigna cylindrical</i> (kacang tunggak, long bean), <i>Vigna unguiculata</i> (kacang panjang, cowpea), <i>Zea mays</i> (jagung, corn, maize)	batang (stems (above ground), trunks/ shoots/ branches), daun (leaves), umbi (bulbs, tubers, rhizomes)	Africa: Burundi, Cameroon, Cape Verde, Central Africa, Chad, Congo, DR Congo, Ethiopia, Guinea, Ivory Coast, Kenya, Madagascar, Malawi, Mali, Mozambique, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, Somalia, Sudan, Tanzania, Uganda, Zambia

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79.	<i>Dacus ciliatus</i> Loew; (Syn. <i>Dacus appoxanithus</i> var. <i>decolor</i> Bezzi, <i>Dacus brevistylus</i> Bezzi, <i>Dacus coccinae</i> Premlata & Singh, <i>Dacus insistens</i> Curran, <i>Dacus Sigmoides</i> Coquillett, <i>Didacus ciliates</i> (Loew), <i>Leptoxyda ciliate</i> (Loew), <i>Tridacus mallyi</i> Munro [nomen nudum]); (Diptera: Tephritidae); lesser melon fly, lesser pumpkin fly	II	<i>Citrullus colocynthis</i> , <i>Citrus sinensis</i> , <i>Cucumis sativus</i> (mentimun, cucumber), <i>Coccinia trilobata</i> , <i>Corallocarpus ellipticus</i> , <i>Cucumis aculeatus</i> , <i>Cucumis africanus</i> , <i>Cucumis dipsaceus</i> , <i>Cucumis melo</i> , <i>Cucumis metuliferus</i> , <i>Cucumis myriocarpus</i> , <i>Cucurbita maxima</i> , <i>Cucurbita pepo</i> (labu kuning, zukini, zucchini), Cucurbitaceae, <i>Kedrostis foetidissima</i> , <i>Kedrostis leloja</i> , <i>Lagenaria siceraria</i> , <i>Luffa aegyptiaca</i> , <i>Momordica balsamina</i> , <i>Momordica charantia</i> , <i>Momordica rostrata</i> , <i>Peponium mackenii</i> , <i>Solanum lycopersicum</i> (tomat, tomato), <i>Trichosanthes cucumerina</i> var. <i>anguinea</i>	buah (fruits), media tanam (growing media associated with plants), tanah (soil)	Africa: Angola, Cameroon, DR Congo, Egypt, Eritrea, Ethiopia, Ghana, Guinea, Kenya, Lesotho, Malawi, Mauritius, Mayotte, Mozambique, Namibia, Niger, Nigeria, Reunion, Rwanda, Saint Helena, Senegal, Somalia, South Africa, Northwest Africa, Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe Asia: Bangladesh, India, Iran, Israel, Jordan, Myanmar, Oman, Pakistan, Sri Lanka, Saudi Arabia, Thailand, United Arab Emirates, Yemen
80.	<i>Delia antiqua</i> Meigen;	II	<i>Allium cepa</i> (bawang bombay,	batang	Africa: Crozet Islands,

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	(Syn. <i>Anthomyia antiqua</i> , <i>Anthomyia ceparum</i> , <i>Chortophila antiqua</i> , <i>Delia cepetorum</i> , <i>Hylemya antiqua</i> , <i>H. ceparum</i> , <i>Leptohylemyia antique</i> , <i>Pegomyia ceparum</i> , <i>Pegomyia cepetorum</i> , <i>Phorbia ceparum</i> , <i>Phorbia cepetorum</i> , <i>Phorbia antiqua</i> ); (Diptera: Anthomyiidae); onion maggot, onion fly		onion), <i>Allium ascalonicum</i> (bawang merah, shallot), <i>Allium porrum</i> (bawang prei, leek), <i>Allium cepa</i> var. <i>Aggregatum</i> , <i>Allium fistulosum</i> , <i>Allium sativum</i> (bawang putih, garlic), <i>Allium schoenoprasum</i> , <i>Allium</i> spp.	(stems), daun (leaves), umbi (bulbs, tubers, corms, rhizomes), media tanam (growing media associated with plants), tanah (soil), akar (roots)	Egypt America: Antigua and Barbuda, Brazil, Canada, Colombia, Costa Rica, Mexico, USA Asia: China, DPR Korea (North Korea), Georgia, India, Iran, Iraq, Israel, Japan, Kazakhstan, Mongolia, Philippines, Republic of Korea (South Korea), Turkey Europe: Armenia, Austria, Bosnia and Herzegovina, Belarus, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Finland, France, <b>Germany</b> , Greece, Hungary, Italy, Lithuania, North Macedonia, Malta, Moldova, Montenegro,



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					Netherlands, Norway, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom,
81.	<i>Delia arambourgi</i> (Seguy); (Syn. <i>Delia dispar</i> (BEZZI), <i>Hylemya dispar</i> (BEZZI), <i>Hylemya arambourgi</i> Seguy); (Diptera: Anthomyiidae); barley fly	II	<i>Saccharum officinarum</i> (tebu, sugarcane), serealia lainnya (other cerealia), <i>Triticum aestivum</i> (gandum, wheat), <i>Zea mays</i> (jagung, corn, maize)	batang (stems), daun (leaves), akar (roots), media tanam (growing media associated with plants), tanah (soil)	Africa: Ethiopia
82.	<i>Delia platura</i> (Meigen); (Syn. <i>Anthomyia cana</i> , <i>Anthomyia Corelia</i> , <i>Anthomyia deceptiva</i> , <i>Anthomyia diversa</i> , <i>Anthomyia funesta</i> , <i>Anthomyia lanicrus</i> , <i>Anthomyia perrima</i> , <i>Anthomyia platura</i> , <i>Anthomyia platygaster</i> , <i>Anthomyia radicum</i> var. <i>Calopteni</i> ,	II	<i>Allium cepa</i> (bawang bombay, onion), <i>Allium sativum</i> (garlic), <i>Allium ascalonicum</i> (bawang merah, shallot), <i>Asparagus officinalis</i> (asparagus, asparagus), <i>Beta vulgaris</i> (bit, beetroot), <i>Brassica oleracea</i> var. <i>botrytis</i> (bunga kol,	biji (true seeds (inc. grain)), akar (roots), media tanam (growing media associated	Africa: Algeria, Egypt, Ethiopia, Kenya, Libya, Madagascar, Morocco, Rwanda, Saint Helena, South Africa, Sudan, Tanzania, Tunisia, Uganda, Zimbabwe America: Argentina,

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	<p><i>Anthomyia raphani</i>, <i>Anthomyia rubifrons</i>, <i>Anthomyia sergia</i>, <i>Anthomyia tinia</i>, <i>Anthomyia trifilis</i>, <i>Anthomyia tyana</i>, <i>Anthomyia viana</i>, <i>Anthomyia zeas</i>, <i>Aricia fusciceps</i>, <i>Chortophila cana</i>, <i>Chortophila deceptiva</i>, <i>Chortophila prisca</i>, <i>Chortophila rubifrons</i>, <i>Chortophila spinipes</i>, <i>Chortophila trifilis</i>, <i>Delia cilicrura</i>, <i>Delia prisca</i>, <i>Dialyta cupreifrons</i>, <i>Eriphia marginata</i>, <i>Homalomyia rava</i>, <i>Hylemya cana</i>, <i>Hylemya deceptiva</i>, <i>Hylemya fusciceps</i>, <i>Hylemya platura</i>, <i>Hylemya prisca</i>, <i>Hylemya spinipes</i>, <i>Hylemya trifilis</i>, <i>Pegomyia fusciceps</i>, <i>Phorbia cilicrura</i>, <i>Phorbia Fusciceps</i>, <i>Phorbia novaezealandica</i>, <i>Phorbia prisca</i>, <i>Phorbia spinipes</i>, <i>Hylemya Cilicrura</i>, <i>Chortophila cilicrura</i>, <i>Phorbia platura</i>); (Diptera: Anthomyiidae); corn seed maggot, bean seed fly, seed potato maggot</p>		<p>cauliflower), <i>Brassica oleracea capitata</i> (kubis, cabbage), <i>Citrullus lanatus</i>, <i>Citrullus vulgaris</i> (semangka, watermelon), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Glycine max</i> (kedelai, soyabean), <i>Gossypium hirsutum</i>, <i>Hordeum vulgare</i> (barli, barley), <i>Juniperus na</i>, <i>Larix laricina</i>, <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Phaseolus lunatus</i>, <i>Phaseolus coccineus</i>, <i>Pinus merkusii</i> (<i>tusam</i>, <i>pinetree</i>) <i>albus</i>, <i>Pisum sativum</i> (kapri, sweet pea), <i>Raphanus sativus</i> (lobak, radish), <i>Solanum tuberosum</i> (kentang, potato), <i>Spinacia oleracea</i> (bayam, spinach), <i>Triticum aestivum</i> (gandum, wheat), <i>Trifolium repens</i> (semanggi putih, white clover), <i>Vicia faba</i>, <i>Vigna</i> spp. (buncis,</p>	<p>with plants), tanah (soil)</p>	<p>Bermuda, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Ecuador, Greenland, Mexico, Peru, Uruguay, USA, Uruguay, Venezuela Asia: China, DPR Korea (North Korea), Georgia, India, Iran, Iraq, Israel, Japan, Kazakhstan, Lebanon, Nepal, Pakistan, Republic of Korea (South Korea), Saudi Arabia, Sri Lanka, Syria, Taiwan, Turkey, Uzbekistan, Yemen Europe: Albania, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Faroes Islands, Finland, France, <b>Germany</b>,</p>

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			cowpea), <i>Zea mays</i> (jagung, corn, maize)		Greece, Hungary, Iceland, Italy, North Macedonia, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russia, Serbia, Slovenia, Slovakia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand
83.	<i>Delia radicum</i> Linnaeus; (Syn. <i>Anthomyia brassicae</i> , <i>A. radicum</i> , <i>Aricia villipes</i> , <i>Chortophila appendiculata</i> , <i>Chortophila floccosa</i> , <i>Chortophila frontalis</i> , <i>Delia brassicae</i> , <i>Eustalomyia brassicae</i> , <i>Hylemya brassicae</i> , <i>H. brassicae</i> , <i>Musca radicum</i> , <i>Pegomya brassicae</i> , <i>Erioischia brassicae</i> , <i>Chortophila brassicae</i> , <i>Phorbia brassicae</i> ); (Diptera: Anthomyiidae); cabbage maggot, cabbage root fly, radish fly	II	<i>Armoracia rusticana</i> , <i>Brassica oleracea capitata</i> (kubis, cabbage), <i>Brassica oleracea</i> , <i>Brassica oleracea</i> var. <i>gemmifera</i> , <i>Brassica oleracea</i> subsp. <i>italica</i> , <i>Brassica napus</i> var. <i>napobrassica</i> , <i>Brassica rapa</i> subsp. <i>pekinensis</i> , Cruciferae, <i>Matthiola</i> spp., <i>Raphanus sativus</i> (lobak, radish)	batang (stems (above ground), shoots, trunks, branches, daun (leaves), akar (roots), media tanam (growing media associated with plants,	Africa: Algeria, Morocco America: Canada, USA Asia: China, Georgia, Israel, Kazakhstan, Turkey, Uzbekistan Europe: Armenia, Austria, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, <b>Germany</b> , Hungary,

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				tanah (soil)	Iceland, Ireland, Italy, Latvia, Moldova, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom
84.	<i>Dendroctonus ponderosae</i> Hopkins, 1902; (Syn. <i>Dendroctonus monticolae</i> Hopkins, 1905); ( <i>Coleoptera</i> : Scolytidae); Black Hills beetles, pine beetle, mountain pine beetles	II	<i>Pinus</i> spp.	batang (stems (above ground), shoots, trunks), ranting (branches), kayu (woods), kulit kayu (bark)	America: USA, Canada
85.	<i>Diabrotica undecimpunctata</i> Mannerheim; (Syn. <i>Chrysomela duodecimpunctata</i> , <i>Crioceris sexpunctata</i> , <i>Diabrotica</i>	II	<i>Arachys hypogaea</i> (kacang tanah, peanut), <i>Cucumis melo</i> (melon, melon), <i>Cucumis sativus</i> (mentimun,	batang (stems), akar (roots), daun (leaves),	America: Canada, El Salvador, Guatemala, Mexico, Nicaragua, USA Oceania: Guam

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	<i>duodecimpunctata</i> , <i>D. soror</i> , <i>D. undecimpunctata</i> subsp. Howardi Barber); (Coleoptera: Chrysomelidae); 12-spotted cucumber beetle, southern corn rootworm, spotted cucumber beetle, western spotted cucumber beetle		cucumber), <i>Chenopodium quinoa</i> , <i>Citrullus vulgaris</i> (semangka, watermelon), <i>Citrullus lanatus</i> , <i>Cucurbita pepo</i> (labu kuning, zukini, zucchini) <i>Glycine max</i> (kedelai, soyabean), <i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Vigna</i> spp. (buncis, cowpea), <i>Zea mays</i> (jagung, corn, maize)	bunga (flowers, inflorescences, cones, calyx), media tanam (growing media associated with plants)	
86.	<i>Diaprepes abbreviatus</i> (Linnaeus, 1758); (Syn. <i>Curculio abbreviatus</i> Linnaeus, 1758, <i>Diaprepes festivus</i> (Fabricius, 1792), <i>Diaprepes irregularis</i> (Panzer, 1798), <i>Diaprepes quadrilineatus</i> (Olivier, 1807), <i>Exophthalmus abbreviatus</i> ); (Coleoptera: Curculionidae); <i>Citrus</i> weevil, sugarcane rootstalk borer weevil, <i>Citrus</i> weevil, sugarcane	II	<i>Achras</i> (= <i>Manilkara</i> ) <i>zapota</i> (sawo, sapodilla), <i>Aeschynomene americana</i> , <i>Aloe vera</i> , <i>Apium graveolens</i> , <i>Arachis hypogaea</i> (kacang tanah, peanut), <i>Ardisia crispa</i> , <i>Cajanus cajan</i> (kacang gude, pigeon pea), <i>Canavalia gladiata</i> , <i>Capsicum annuum</i> (cabai besar, bell-pepper), <i>Cedrela odorata</i> , <i>Ceiba</i>	akar (roots), batang (stems), daun (leaves)	America: Antigua and Barbuda, Barbados, Costa Rica, Dominica, French Guiana, Grenada, Guadeloupe, Haiti, Jamaica, Martinique, Montserrat, Puerto Rico, Saint Kitts and Nevis, St. Lucia, Saint Vincent and the Grenadines, Trinidad and

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	rootstalk borer weevil, West Indian weevil, West Indian sugarcane root borer, West Indian weevil		<i>pentandra</i> (kapuk, kapok), <i>Centrosema pubescens</i> , <i>Chrysobalanus icaco</i> , <i>Chrysophyllum cainito</i> , <i>Canocarpus erectus</i> , <i>Crotalaria</i> , <i>Citrus</i> spp. (jeruk, orange), <i>Coffea</i> spp. (kopi, coffee), <i>Dioscorea</i> spp., <i>Dimocarpus longan</i> , <i>Dioscorea</i> , <i>Diospyros virginiana</i> , <i>Dizygotheca elegantissima</i> , <i>Eriobitrya japonica</i> , <i>erythrina</i> <i>barteroana</i> , <i>Erythrina</i> <i>poepigiana</i> , <i>Eugenia uniflora</i> , <i>Faramea occidentalis</i> , <i>Gladiolus hybrids</i> , <i>Gliricidia</i> <i>sepium</i> , <i>Guaiacum officinale</i> , <i>Hoya carnososa</i> , <i>Ipomoea</i> <i>batatas</i> (ubi jalar, sweet potato), <i>Jatropha curcas</i> , <i>Juniperus conferta</i> , <i>Juniperus</i> <i>virginiana</i> , <i>Lablab purpureus</i> , <i>Lagerstromia speciosa</i> , <i>Mangifera indica</i> (mangga,		Tobago, USA

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			<p>mango), <i>Maranta leuconeura</i>, <i>Mucuna pruriens</i>, <i>Manihot</i> <i>esculenta</i> (ubi kayu, cassava), <i>Musa</i> spp. (pisang, banana), <i>Nephelium lappaceum</i> (rambutan, rambutan), <i>Persea</i> <i>americana</i> (avokad, avocado), <i>Phaseolus lunatus</i> (lima bean), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Phoenix</i> <i>dactylifera</i> (kurma, dates- palm), <i>Psidium guajava</i> (jambu biji, guava), <i>Rhizophora mangle</i>, <i>Ricinus</i> <i>communis</i> (jarak kepyar, castor bean), <i>Saccharum</i> <i>officinarum</i> (tebu, sugarcane), <i>Schinus terebinthifolius</i>, <i>Solanum melongena</i>(terung, aubergine, eggplant), <i>Solanum</i> <i>tuberosum</i> (kentang, potato), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Spondias mombin</i>, <i>Spondias purpurea</i>, <i>Swietenia</i></p>		

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			<i>macrophylla</i> , <i>Swietenia mahagoni</i> , <i>Syzygium jambos</i> , <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Terminalia catappa</i> (ketapang, Indian almond), <i>Urena lobata</i> , <i>Ximenia americana</i> , <i>Zanthoxylum</i> , <i>Theobroma cacao</i> (kakao, cocoa), <i>Zea mays</i> (jagung, corn, maize)		
87.	<i>Diaspis boisduvalii</i> Signoret; (Syn. <i>Aulacaspis boisduvalii</i> , <i>Diaspos palmarum</i> ); (Hemiptera: Diaspididae); boisduval scale, coconut snow scale, orchid, scale, pineapple scale	II	<i>Ananas comosus</i> (nanas, pineapple), <i>Cocos nucifera</i> (kelapa, coconut), <i>Musa</i> spp. (pisang, banana)	batang (stems), daun (leaves), stalk (khusus <i>A. comosus</i> )	America: Antigua and Barbuda, Barbados, Bermuda, Brazil, Dominica, French Guiana, Guadelope, Guyana, Jamaica, Martinique, Mexico, Puerto Rico, Saint Kitts and Nevis
88.	<i>Diatraea saccharalis</i> Fabricius; (Syn. <i>Chilo oblitteratellus</i> , <i>Crambus leucaniellus</i> , <i>C. lineosellus</i> , <i>C. sacchari</i> , <i>Diatraea continens</i> , <i>D. crambidoides</i> , <i>D. pedidocla</i> , <i>D.</i>	II	<i>Oryza sativa</i> (padi, paddy, rice), <i>Panicum dichotomiflorum</i> , <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Sorghum halepense</i> ,	batang (stems), daun (leaves)	America: Antigua and Barbuda, Argentina, Barbados, Belize, Bolivia, Brazil, British Virgin Islands, Colombia, Costa



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	<i>saccharalis va grenadensis</i> , <i>D. sacchari</i> , <i>D. sacchari f. brasiliensis</i> , <i>Phalaena saccharalis</i> , <i>D. obliteratedella</i> , <i>D. obliteratedellus</i> , <i>D. incomparella</i> ); (Lepidoptera: Crambidae); sugarcane stalk borer, sugarcane borer, sugarcane moth borer, American sugarcane borer, small moth borer, small sugarcane moth borer		<i>Saccharum officinarum</i> (tebu, sugarcane), <i>Zea mays</i> (jagung, corn, maize)		Rica, Cuba, Dominica, Ecuador, El Salvador, French Guiana, Grenada, Guadeloupe, Guatemala, Guyana, Haiti, Honduras, Jamaica, Martinique, Mexico, Montserrat, Nicaragua, Panama, Paraguay, Peru, Puerto Rico, <del>St.</del> Saint Kitts and Nevis, <del>St.</del> Saint Lucia, <del>St.</del> Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, USA, Uruguay, Venezuela
89.	<i>Diopsis longicornis</i> Macquart; (Syn. <i>Diasemopsis macrophthalma</i> (Dalman), <i>Diopsis macrophthalma</i> Dalm, <i>Diopsis thoracica</i> Westwood); (Diptera: Diopsidae); stalk-eyed fly	II	<i>Oryza sativa</i> (padi, paddy, rice)	batang (stems), daun (leaves)	Africa: Benin, Botswana, Burkina Faso, Cameroon, Central African Republic, Chad, Ethiopia, Ghana, Guinea, Ivory Coast, Kenya, Malawi, Mozambique, Niger, Nigeria, Senegal,

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					Somalia, South Africa, Sudan, Swaziland, Tanzania, Uganda, Sierra Leone, Togo, West Africa, Zambia, Zimbabwe Asia: India, Philippines
90.	<i>Diorymerellus laevimargo</i> Champion, 1916; (Coleoptera: Curculionidae); orchid weevil	II	Orchidaceae (anggrek, orchid)	batang (stems), daun (leaves), bunga (flowers)	America: Argentina, Bolivia, Brazil, Colombia, Chile, Dominican Republic, Ecuador, French Guiana, Paraguay, Peru, Uruguay, Venezuela
91.	<i>Diparopsis castanea</i> Hampson, 1902; (Syn. <i>Diparopsis watersi</i> . Rothschild); (Lepidoptera: Noctuidae); red bollworm, red Sudan bollworm, red Sudan cotton worm, red cotton bollworm	II	<i>Cefenfuegosia heldebrandii</i> , <i>Gossypium barbadens</i> (kapas, cotton), <i>Gossypoides kirkii</i> , <i>Thespesia</i> spp.	batang (stems), daun (leaves), buah (fruit), biji (benih)	Africa: Botswana, Malawi, Mozambique, Nigeria, South Africa, Swaziland, Tanzania, Zambia, Zimbabwe
92.	<i>Distantiella theobromae</i> (Distant); (Hemiptera: Miridae); cocoa capsid, brown capsid, cocoa capsid stem sapper	II	<i>Adansonia digitata</i> , <i>Ceiba pentandra</i> (kapuk randu, kapok), <i>Citrus</i> spp. (jeruk, orange), <i>Theobroma cacao</i> (kakao, cocoa)	batang (stems), daun (leaves), buah (fruits), pucuk	Africa: Cameroon, Congo, Ghana, Ivory Coast, Nigeria, Sierra Leone, Togo

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				tanaman (tips, buds)	
93.	<i>Drosophila suzukii</i> Matsumura; (Syn. <i>Drosophila (Sophophora)</i> <i>suzukii</i> (Matsumura), <i>Drosophila</i> <i>suzukii</i> (Matsumura) Kanzawa); (Diptera: Drosophilidae); Cherry fruit fly, spotted wing drosophila, spotted-wing drosophila	II	Actinidia, <i>Actinidia arguta</i> (tara vine), Ampelopsis, <i>Ampelopsis brevipedunculata</i> (Amur amelopsis), <i>Arbutus</i> <i>unedo</i> (arbutus), <i>Aucuba</i> <i>japonica</i> (Japanese aucuba), Cornus (Dogwood), <i>Diospyros</i> <i>kaki</i> (persimmon), <i>Diospyros</i> <i>virginiana</i> (persimmon (common)), <i>Elaeagnus</i> <i>multiflora</i> (cherry silverberry), <i>Elaeagnus umbellata</i> (autumn olive), <i>Eugenia uniflora</i> (Surinam cherry), Ficus, <i>Ficus</i> <i>carica</i> (common fig), <i>Fragaria</i> (strawberry), <i>Fragaria</i> <i>ananassa</i> (strawberry), <i>Frangula alnus</i> (alder buckthorn), <i>Gaultheria</i> <i>adenothrix</i> , <i>Lindera benzoin</i> (spicebush), <i>Lonicera</i> (honeysuckles), <i>Lonicera</i>	buah (fruits), bunga (flowers)	Africa: Morocco, Reunion America: Argentina, Brazil, Canada, Chile, Ecuador Mexico, USA, Uruguay Asia: Bangladesh, China, DPR Korea (North Korea), India, Iran, Japan, Myanmar, Pakistan Republic of Korea (South Korea), Taiwan, Thailand, Turkey Europe: Austria, Belgium, Bosnia- Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, France, Germany, Greece, Hungary, Ireland, Italy, Montenegro, Netherlands, Poland, Portugal, Romania,

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			<p><i>caerulea</i>, <i>Malus domestica</i> (apel, apple), <i>Morus</i> (mulberrytree), <i>Morus alba</i> (mora), <i>Morus bombycis</i> (Japanese mulberry), <i>Morus rubra</i> (red mulberrytree), <i>Murraya paniculata</i> (orange jessamine), <i>Myrica rubra</i>, <i>Phytolacca americana</i> (pokeweed), <i>Prunus</i> (stone fruit), <i>Prunus armeniaca</i> (apricot), <i>Prunus avium</i> (sweet cherry), <i>Prunus domestica</i> (prem, plum), <i>Prunus japonica</i> (Japanese bush cherry tree), <i>Prunus laurocerasus</i> (cherry laurel), <i>Prunus mahaleb</i> (mahaleb cherry), <i>Prunus mume</i> (Japanese apricot tree), <i>Prunus nipponica</i>, <i>Prunus persica</i> (peach), <i>Prunus persica</i> var. <i>nucipersica</i> (nectarine), <i>Prunus sargentii</i> (sargent's cherry), <i>Ribes</i></p>		<p>Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom Oceania: French Polynesia</p>

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			(currants), Rubus (blackberry, raspberry), <i>Rubus armeniacus</i> (Himalayan blackberry), <i>Rubus fruticosus</i> (blackberry), <i>Rubus hirsutus</i> , <i>Rubus idaeus</i> (raspberry), <i>Rubus laciniatus</i> (cutleaf blackberry), <i>Rubus loganobaccus</i> (loganberry), <i>Rubus spectabilis</i> (salmonberry), <i>Rubus triphyllus</i> , <i>Rubus ursinus</i> (boysenberry), <i>Sambucus nigra</i> (elder), <i>Solanum dulcamara</i> (bittersweet nightshade), <i>Solanum luteum</i> , <i>Symphoricarpos albus</i> (common snowberry), <i>Taxus baccata</i> (English yew), <i>Vaccinium</i> (blueberries), <i>Vaccinium angustifolium</i> (Lowbush blueberry), <i>Vaccinium corymbosum</i> (blueberry), <i>Vaccinium myrtillus</i> (blueberry), <i>Viscum</i>		

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			<i>album</i> (mistletoe), <i>Vitis</i> (grape), <i>Vitis labrusca</i> (fox grape), <i>Vitis vinifera</i> (grapevine)		
94.	<i>Eldana saccharina</i> Walker, 1865; (Syn. <i>Eldana conipyga</i> Strand, 1912); (Lepidoptera: Pyralidae); sugarcane stalk borer, African sugarcane borer	II	<i>Cyperus</i> (flatsedge), <i>Cyperus alternifolius</i> , <i>Cyperus digitatus</i> , <i>Megathyrus maximus</i> , <i>Oryza sativa</i> (padi, paddy, rice), <i>Phragmites australis</i> , <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Typha latifolia</i> , <i>Zea mays</i> (jagung, corn, maize)	batang (stems), daun (leaves)	Africa: Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Chad, Congo, DR Congo, Equatorial Guinea, Ethiopia, Gabon, Gambia, Ghana, Guinea-Bissau, Guinea, Ivory Coast, Kenya, Liberia, Madagascar, Malawi, Mali, Mozambique, Niger, Nigeria, Rwanda, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, Sudan, Swaziland, Tanzania, Togo, Uganda, Zimbabwe Asia: Saudi Arabia
95.	<i>Empoasca onukii</i> Matsuda; (Hemiptera: Cicadellidae);	II	<i>Camellia sinensis</i> (teh, tea)	batang (stems), daun	Asia: Japan, Thailand

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	tea green leafhopper			(leaves)	
96.	<i>Epicauta albovittata</i> Gestro, 1878; (Coleoptera: Meloidae); stripped blister beetle	II	<i>Arachys hypogaea</i> (kacang tanah, peanut), <i>Capsicum annuum</i> (cabai besar, paprika, bell-pepper, hot pepper, chilies, red pepper), <i>Glycine max</i> (kedelai, soyabean), Solanaceae	batang (stems), daun (leaves), buah (fruits)	Africa: Kenya
97.	<i>Epicauta vittata</i> (Fabricius); (Coleoptera: Meloidae); stripped blister beetle	II	<i>Medicago sativa</i> (alfalfa, lucerne), <i>Solanum tuberosum</i> (kentang, potato)	batang (stems), daun (leaves), buah (fruits)	Africa: DR Congo America: Canada, USA
98.	<i>Epilachna varivestis</i> Mulsant, 1850; (Syn. <i>Epilachna corrupta</i> Mulsant, 1850, <i>Epilachna Maculiventris</i> Bland, 1864); (Coleoptera: Coccinellidae); Mexican bean beetle, bean ladybeetle, bean ladybird	II	<i>Citrus aurantifolia</i> , <i>Glycine max</i> (kedelai, soyabean), <i>Lablab purpureus</i> (hyacinth bean), <i>Medicago sativa</i> (alfalfa, Lucerne), <i>Melilotus albus</i> (honey clover), <i>Phaseolus acutifolius</i> , <i>Phaseolus lunatus</i> , <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Vigna unguiculata</i> (kacang panjang, cowpea), leguminosae lainnya (other legumes)	batang (stems), daun (leaves), polong (pods)	Asia: Japan America: Canada, Colombia, Costa Rica, El Salvador, Guatemala, Honduras, Mexico, USA

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99.	<i>Ernobius mollis</i> (Linnaeus); (Syn. <i>Anobium mollis</i> L.) (Coleoptera: Anobiidae); pine bark anobiid	II	<i>Picea abies</i> , Pinus	batang (stems), kayu (woods), kulit kayu (barks)	America: USA Europe: Italy, Spain Oceania: Australia
100.	<i>Eulecanium tiliae</i> (Linnaeus, 1758); (Syn. <i>Calypiticus fasciatus</i> Costa, 1829, <i>Coccus aceris</i> Fabricius, 1794, <i>Coccus aceris campestris</i> Schrank, 1801, <i>Coccus aesculi</i> Kollar, 1848 (nomen nudum), <i>Coccus alni</i> Modeer, 1778, <i>Coccus capreae</i> Linnaeus, 1767, <i>Coccus coryli</i> Linnaeus, 1758 (rejected name), <i>Coccus fuscus</i> Gmelin, 1790, <i>Coccus mali</i> Schrank, 1781, <i>Coccus pyri</i> Schrank, 1801, <i>Coccus rubi</i> Schrank, 1801, <i>Coccus</i> <i>salicum</i> Fabricius, 1781, <i>Coccus tiliae</i> Linnaeus, 1758, <i>Coccus xylostei</i> Schrank, 1801, <i>Eulecanium aceris</i> (Curtis) Fernald, 1903 (erroneous authorship), <i>Eulecanium aesculi</i> (Kollar) Fernald, 1903 (nomen nudum), <i>Eulecanium alni</i> (Modeer) Fernald, 1903, <i>Eulecanium capreae</i>	II	<i>Acer campestre</i> (field maple), <i>Acer circinatum</i> , <i>Acer</i> <i>macrophyllum</i> , <i>Acer negundo</i> , <i>Acer platanoides</i> , <i>Acer</i> <i>pseudoplatanus</i> , <i>Aesculus</i> <i>pavia</i> , <i>Alnus rubra</i> , <i>Aesculus</i> <i>hippocastanum</i> (buckeye), <i>Betula papyrifera</i> , <i>Betula</i> <i>pubescens</i> , <i>Carpinus betulus</i> , <i>Cornus sanguinea</i> , <i>Corylus</i> <i>avellana</i> , <i>Fragaria vesca</i> (wild strawberry), <i>Crataegus</i> <i>monogyna</i> (hawthorn), <i>Cydonia oblonga</i> (quince), Ficus, Fraxinus (ashes), <i>Holodiscus discolor</i> , <i>Juglans regia</i> , <i>Malus</i> <i>sylvestris</i> , <i>Myrica gale</i> , <i>Malus</i> <i>domestica</i> (apple), <i>Prunus</i> <i>domestica</i> (prem, plum),	buah (fruits), bibit tanaman (seedlings)	Africa: Canary Islands America: Canada, USA Asia: Georgia, India, Iran, Iraq, Israel, Pakistan, Turkey Europe: Armenia, Azerbaijan, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, France, <b>Germany</b> , Greece, Hungary, Ireland, Italy, Latvia, Malta, Moldova, Montenegro, Netherlands, North Macedonia, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine,



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	<p>(Linnaeus) Fernald, 1903, <i>Eulecanium cerasi</i> (Goethe) Fernald, 1903, <i>Eulecanium coryli</i> (Linnaeus) Cockerell, 1901, <i>Eulecanium coryli cimbricus</i> Wünn, 1937, <i>Eulecanium curtisi</i> Kirkaldy, 1904, <i>Eulecanium emerici</i> (Planchon) Leonardi, 1908, <i>Eulecanium fasciatum</i> (Costa) Fernald, 1903, <i>Eulecanium fuscum</i> (Gmelin) Cockerell, 1901, <i>Eulecanium gyrcanicum</i> Hadzibejli, 1967, <i>Eulecanium ibericum</i> Hadzibejli, 1960, <i>Eulecanium mali</i> (Schrank) Borchsenius, 1955, <i>Eulecanium pyri</i> (Schrank) Fernald, 1903, <i>Eulecanium rubi</i> (Schrank) Fernald, 1903, <i>Eulecanium tiliae</i> (Linnaeus) Fernald, 1903, <i>Eulecanium variegatum</i> (Goethe) Fernald, 1903, <i>Eulecanium websteri mirabile</i> (King) Fernald, 1903, <i>Globulicoccus fuscus</i> (Gmelin) MacGillivray, 1921, <i>Lecanium (Eulecanium) aesculi</i> (Kollar) Cockerell, 1896 (nomen nudum),</p>		<p><i>Prunus persica</i> (persik, peach), <i>Prunus salicina</i> (Japanese plum), <i>Pyrus communis</i> (pir, European pear), <i>Parrotia persica</i>, <i>Pistacia palestina</i>, <i>Populus alba</i>, <i>Populus Canadensis</i>, <i>Prunus armeniaca</i> (aprikot, apricot), <i>Prunus cerasifera</i>, <i>Prunus cerasus</i>, <i>Prunus laurocerasus</i>, <i>Prunus spinosa</i>, <i>Quercus iberica</i>, <i>Quercus ilex</i>, <i>Quercus robur</i>, <i>Quercus suber</i>, <i>Salix caprea</i>, <i>Salix viminalis</i>, <i>Sorbus</i>, <i>Tilia cordata</i>, <i>Ulmus glabra</i>, <i>Ulmus minor</i>, <i>Vaccinium myrtillus</i> (blueberry), <i>Vitis vinifera</i> (anggur, grapevine)</p>		<p>United Kingdom (Scotland)</p>

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	<p><i>Lecanium (Eulecanium) capreae</i> (Linnaeus) Cockerell, 1896, <i>Lecanium (Eulecanium) cerasi</i> Goethe; Cockerell, 1896, <i>Lecanium (Eulecanium) genevense</i> Targioni Tozzetti; Cockerell, 1896, <i>Lecanium (Eulecanium) hoferi</i> King, in Hofer, 1903, <i>Lecanium (Eulecanium) juglandis</i> Bouché; Cockerell, 1896, <i>Lecanium (Eulecanium) rubi</i> (Schrank) Cockerell, 1896, <i>Lecanium (Eulecanium) variegatum</i> Goethe; Cockerell &amp; Parrott, 1899, <i>Lecanium (Globulicoccus) fuscum</i> (Gmelin) Lindinger, 1907, <i>Lecanium (Saissetia) capreae</i> (Linnaeus) Reh, 1903, <i>Lecanium aesculi (Kollar) Signoret</i>, 1874 (nomen nudum), <i>Lecanium alni</i> (Modeer) Signoret, 1869, <i>Lecanium berberidis</i> (Schrank) Signoret, 1874 (misidentification), <i>Lecanium cerasi</i> Goethe, 1884, <i>Lecanium coryli</i> (Linnaeus) Marchal, 1908, <i>Lecanium fasciatum</i> (Costa) Walker, 1852,</p>				

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	<p><i>Lecanium fuscum</i> (Gmelin) Douglas, 1887, <i>Lecanium genevense</i> Targioni Tozzetti, 1868, <i>Lecanium juglandis</i> Bouché, 1844, <i>Lecanium mali</i> (Schrank) Ferris, 1925, <i>Lecanium pyri</i> (Schrank) Signoret, 1869, <i>Lecanium rubi</i> (Schrank) Walker, 1852, <i>Lecanium variegatum</i> Goethe, 1884, <i>Lecanium websteri mirabilis</i> King, in Hofer, 1903, <i>Parthenolecanium coryli</i> (Linnaeus) Sulc, 1908, <i>Physokermes coryli</i> (Linnaeus) Lindinger, 1911); (Hemiptera: Coccidae); nut scale; thorn scale</p>				
101.	<p><i>Eumerus tuberculatus</i> Rondani; (Diptera: Syrphidae); lesser bulb fly</p>	II	<p><i>Allium cepa</i> (bawang bombay, onion), <i>Allium ascalonicum</i> (bawang merah, shallot), <i>Allium sativum</i> (bawang putih, garlic), <i>Brassica oleracea capitata</i> (kubis, cabbage), <i>Calla elliottiana</i>, <i>Crinum asiaticum</i> (bakung, lily), <i>Eurycies</i> spp., <i>Galtonia</i> spp., <i>Gladiolus</i> spp., <i>Hippeastrum</i></p>	<p>akar (roots), batang (stems), daun (leaves), umbi (tubers, bulbs), tanah (soil)</p>	<p>America: USA Europe: Albania, Andorra, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France,</p>

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			spp. (amarilis, amaryllis), <i>Irish</i> spp., <i>Lilia</i> spp., <i>Narcissus</i> spp. (narsisus, narcissus), <i>Pastinaca sativa</i> (parsnip, parsnip), <i>Solanum tuberosum</i> (kentang, potato), <i>Scilla</i> spp., <i>Sprekelia</i>		Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxemburg, Malta, Moldova, Monaco, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, San Marino, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom
102.	<i>Eupalamides cyparissias</i> Fabricius; (Syn. <i>Castnia daedalus</i> Cramer, <i>Castnia dedalus</i> Cramer, <i>Eupalamides dedalus</i> Cramer, <i>Lapaeumides daedalus</i> Cramer, <i>Lapaeumides dedalus</i> Cramer, <i>Papilio cyparissias</i> Fabricius, <i>Papilio dedalus</i> Cramer); (Lepidoptera: Castniidae);	II	<i>Cocos nucifera</i> (kelapa, coconut), <i>Elaeis guineensis</i> (kelapa sawit, oil palm)	batang (stems), daun (leaves)	America: Brazil, Colombia, French Guiana, Guyana, Panama, Suriname

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	oilpalm borer, coconut moth borer, stem borer and bunch stalk				
103.	<i>Euscepes postfasciatus</i> (Fairmaire, 1849); (Syn. <i>Batatarhynchus destructor</i> Hustache, 1933, <i>Cryptorhynchus batatae</i> Waterhouse, 1850, <i>Cryptorhynchus postfasciatus</i> Fairmaire, 1849, <i>Euscepes batatae</i> (Waterhouse, 1850), <i>Hyperomorpha squamosa</i> Blackburn, 1885); (Coleoptera: Curculionidae); West Indian sweet potato weevil, scarabee weevil, small sweet potato weevil, scarabee weevil	II	<i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Pharbitis nil</i> , <i>Ipomoea aquatica</i> (kangkung, water spinach)	batang (stems (above ground), shoots, trunks, branches), akar (roots), umbi (bulbs, tubers, corms, rhizomes)	America: Antigua and Barbuda, Barbados, Bermuda, Brazil, Virgin Islands, Cuba, Dominica, French Guiana, Grenada, Guadeloupe, Guyana, Haiti, Jamaica, Martinique, Montserrat, Paraguay, Peru, Puerto Rico, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, USA, Venezuela Asia: Japan Oceania: Cook Island, Fiji, French Polynesia, Guam, Kiribati, Micronesia, New Caledonia, Norfolk Island, Northern Mariana

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
					Island, Palau, Pitcairn Island, Samoa, Tonga, Vanuatu, Wallis-Futuna
104.	<i>Eutinobothrus brasiliensis</i> (Hambleton, 1937); (Syn. <i>Gasterocercodes brasiliensis</i> Hambleton, 1937, <i>Gasterocercodes gossypii</i> Pierce 1915); (Coleoptera: Curculionidae); Brazilian cotton borer, cotton root borer	II	<i>Abelmoschus esculentus</i> (okra, okra), <i>Gossypium barbadens</i> (kapas, cotton), <i>Hibiscus</i> spp.	batang (stems (above ground), shoots, trunks, branches), akar (roots)	America: Argentina, Brazil, Paraguay
105.	<i>Frankliniella fusca</i> (Hinds, 1902); (Syn. <i>Euthrips fuscus</i> Hinds, 1902, <i>Euthrips nicotianae</i> Hinds, 1905, <i>Frankliniella nicotianae</i> Karny, 1912, <i>Physopus fuscus</i> Trybom, 1910, <i>Physopus nicotianae</i> (Hinds), <i>Scirtothrips owreyi</i> Watson, 1924); (Thysanoptera: Thripidae); tobacco thrips	II	<i>Arachis hypogaea</i> (kacang tanah, peanut), <i>Capsicum annuum</i> (cabai besar, paprika, bell pepper), <i>Citrullus lanatus</i> (semangka, watermelon), <i>Glycine max</i> (kedelai, soyabean), <i>Gossypium</i> (cotton), <i>Hippeastrum</i> , <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Vigna unguiculata</i> (kacang panjang, cowpea), <i>Zea mays</i>	daun (leaves), bunga (flowers, inflorescence s), tunas (buds/tips)	America: Canada, Cuba, Martinique, Mexico, Puerto Rico, USA Asia: Japan Europe: Netherlands

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			(jagung, corn, maize)		
106.	<p><i>Frankliniella occidentalis</i> (Pergande); (Syn. <i>Euthrips helianthi</i> Moulton, 1911, <i>Euthrips occidentalis</i> Pergande, 1895, <i>Euthrips tritici</i> var. <i>californicus</i> Moulton, 1911, <i>Frankliniella californica</i> Moulton, <i>Frankliniella canadensis</i> Morgan, 1925, <i>Frankliniella chrysanthemi</i> Kurosawa, 1941, <i>Frankliniella claripennis</i> Morgan, 1925, <i>Frankliniella conspicua</i> Moulton, 1936, <i>Frankliniella dahliae</i> Moulton, 1948, <i>Frankliniella dianthi</i> Moulton, 1948, <i>Frankliniella helianthi</i> (Moulton), <i>Frankliniella moultoni</i> Hood, <i>Frankliniella nubila</i> Treherne, 1924, <i>Frankliniella occidentalis</i> f. <i>brunnescens</i> Priesner, 1932, <i>Frankliniella occidentalis</i> f. <i>dubia</i> Priesner, 1932, <i>Frankliniella syringae</i> Moulton, 1948, <i>Frankliniella trehernei</i> Morgan, <i>Frankliniella tritici maculata</i> Priesner, 1925, <i>Frankliniella tritici</i> var. <i>moultoni</i> Hood, 1914,</p>	II	<p><i>Allium ascalonicum</i> (bawang merah, shallot), <i>Amaranthus palmeri</i> (palmer amaranth), <i>Arachys hypogaea</i> (kacang tanah, peanut), <i>Beta vulgaris</i> (bit, beetroot), <i>Begonia</i> spp., <i>Brassica oleracea capitata</i> (kubis, cabbage), Cucurbitaceae, <i>Carthamus tinctorius</i>, <i>Citrus x paradise</i> (grapefruit), <i>Capsicum annuum</i> (cabai besar, paprika, bell-pepper), <i>Cyclamen</i> spp., <i>Dahlia</i> spp., <i>Daucus carota</i> (wortel, carrot), <i>Dianthus caryophyllus</i> (anyelir, carnation), <i>Euphorbia pulcherrima</i>, <i>Ficus carica</i> (ara, fig), <i>Fuchsia</i> sp., <i>Fragaria vesca</i> (wild strawberry), <i>Gossypium barbadens</i> (kapas, cotton), <i>Gerbera jamesonii</i>, <i>Geranium</i> spp., <i>Gladiolus</i></p>	<p>batang (stems (above ground), shoots, trunks, branches), daun (leaves), bunga (flowers, inflorescence s, cones, calyx), buah (fruits), bibit (seedlings, micropropagated plants)</p>	<p>Africa: Algeria, Kenya, Morocco, South Africa, Swaziland, Tunisia, Uganda, Zimbabwe America: Argentina, Brazil, Canada, Chile, Colombia, Costa Rica, Dominica, Ecuador, Guatemala, Guyana, Martinique, Mexico, Peru, Puerto Rico, Uruguay, USA, Venezuela Asia: China, India, Iran, Israel, Japan, South Korea, Kuwait, Malaysia, Sri Lanka, Turkey Europe: Albania, Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, <b>Germany</b>, Greece, Hungary, Ireland, Italy,</p>

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	<p><i>Frankliniella umbrosa</i> Moulton, 1948, <i>Frankliniella venusta</i> Moulton, 1936); (Thysanoptera: Thripidae); western flower thrips, alfalfa thrips, flower thrips, western (USA) grass thrips</p>		<p><i>hybrids, Gypsophila, Hibiscus, Impatiens, Kalanchoe, Lactuca sativa</i> (selada, lettuce), <i>Limonium sinuatum</i>, <i>Lisianthus</i> spp., <i>Lathyrus odoratus</i>, <i>Leucaena leucocephala</i> (lamtoro, wild tamarind), <i>Malus domestica</i> (apel, apple), <i>Medicago sativa</i> (alfalfa, lucerne), Orchidaceae (anggrek, orchid), <i>Petroselinum crispum</i> (parslei, parsley), <i>Pisum sativum</i> (kapri, sweet pea), <i>Prunus americana</i> (aprikot, apricot), <i>Prunus domestica</i> (prem, plum), <i>Prunus persica</i> var. <i>nucipersica</i> (nektarin, nectarine), <i>Prunus persica</i> (persik, peach), <i>Purshia tridentata</i>, <i>Raphanus raphanistrum</i>, <i>Rhododendron</i> spp. (azalea), <i>Rosa</i> spp. (mawar, rose), <i>Solanum</i></p>		<p>Lithuania, Malta, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom Oceania: Australia, New Zealand</p>



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<i>lycopersicum</i> (tomat, tomato), <i>Salvia spp.</i> , <i>Secale cereale</i> (rye), <i>Sinapis arvensis</i> , <i>Sinningia speciosa</i> , <i>Saintpaulia ionantha</i> , <i>Solanum</i> <i>melongena</i> (terung, aubergine, eggplant), <i>Sonchus spp.</i> , <i>Syzygium aquea</i> (jambu air, star apple), <i>Trifolium spp.</i> , <i>Triticum aestivum</i> (gandum, wheat), <i>Vitis vinifera</i> (anggur, grapevine), <i>Vigna spp.</i> (cowpea), <i>Zinnia spp.</i>		
107.	<i>Grapholita prunivora</i> (Walsh); (Syn. <i>Cydia prunivora</i> , <i>Laspeyresia</i> <i>prunivora</i> , <i>Semasia prunivora</i> , <i>Enarmonia prunivora</i> ); (Lepidoptera: Tortricidae); plum moth, lesser apple worm	II	Amelanchier, <i>Malus domestica</i> (apel, apple), <i>Prunus domestica</i> (prem, plum), other stone fruit), <i>Prunus americana</i> (aprikot, apricot), <i>Prunus</i> <i>cerranus</i> (ceri, cherry), <i>Prunus</i> <i>persica</i> (persik, peach), <i>Pyrus</i> <i>communis</i> (pir, pear), <i>Rosa</i> <i>spp.</i> (mawar, rose)	batang (stems (above ground), shoots, trunks, branches), daun (leaves), bunga (flowers, inflorescence s, cones,	America: Canada, USA

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				calyx), buah (fruits), media tanam (growing media associated with plants), serasah, tanah (soil), kulit kayu (bark)	
108.	<i>Grapholitha molesta</i> (Busck); (Syn. <i>Carpocapsa molesta</i> Busck, <i>Cydia molesta</i> (Busck), <i>Laspeyresia molesta</i> Busck); (Lepidoptera: Tortricidae); oriental fruit moth	II	<i>Cydonia oblonga</i> (kwinsi, quince), <i>Eriobotrya japonica</i> (lokwat, loquat), <i>Malus domestica</i> (apel, apple), <i>Prunus persica</i> (persik, peach), <i>Prunus americana</i> (aprikot, apricot), <i>Prunus persica</i> var. <i>nucipersica</i> (nektarin, nectarine), <i>Prunus domestica</i> (prem, plum), <i>Prunus dulcis</i> (almon, badam, almond), <i>Prunus cerasus</i> (ceri, cherry), <i>Pyrus communis</i> (pear), Buah	batang (stems (above ground), shoots, trunks, branches), buah (fruits (inc. pods)), daun (leaves), bunga (flowers, inflorescence s, cones,	Africa: Mauritius, Morocco, South Africa America: Argentina, Brazil, Canada, Chile, Mexico, USA, Uruguay Asia: China, DPR Korea (North Korea), Japan, Kyrgyzstan, Republic of Korea (South Korea), Syria, Taiwan, Turkey, Uzbekistan Europe: Armenia, Azerbaijan, Austria,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			batu lain (other stone fruits)	calyx), media tanam (growing media associated with plants), serasah (bark), tanah (soil)	Bulgaria, Croatia, Czech Republic, France, <b>Germany</b> , Greece, Hungary, Italy, Latvia, Malta, Moldova, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Switzerland, Ukraine Oceania: Australia, New Zealand
109.	<i>Grapholitha packardi</i> Zeller; (Syn. <i>Cydia packardi</i> (Zeller), <i>Enarmonia packardi</i> (Zeller), <i>Enarmonia pyricolana</i> (Murtfeldt), <i>Grapholita packardi</i> Zeller, <i>Grapholitha packardi</i> Zeller, <i>Laspeyresia packardi</i> (Zeller), <i>Laspeyresia pyricolana</i> (Murtfeldt), <i>Steganoptycha pyricolana</i> Murtfeldt); (Lepidoptera: Tortricidae); cherry fruitworm	II	<i>Cydonia oblonga</i> (quince), <i>Malus domestica</i> (apel, apple), <i>Prunus cerasus</i> (ceri, cherry), <i>Prunus domestica</i> (prem, plum), <i>Prunus persica</i> (persik, peach), <i>Pyracantha</i> , <i>Pyrus communis</i> (pir, pear), <i>Rosa</i> spp., <i>Vaccinium corymbosum</i>	batang (stems (above ground), shoots, trunks, branches), buah (fruits (inc. pods)), daun (leaves), bunga (flowers, inflorescence s, cones,	America: Canada, Mexico, USA

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				calyx), media tanam (growing media associated with plants), serasah, tanah (soil)	
110.	<i>Halyomorpha halys</i> (Stål); (Syn. <i>Dalpada brevis</i> Walker, 1867, <i>Dalpada remota</i> Walker, 1867, <i>Halyomorpha brevis</i> , <i>Halyomorpha mista</i> , <i>Halyomorpha remota</i> , <i>Pentatoma halys</i> Stål, <i>Poecilometis mistus</i> Uhler, 1860); (Hemiptera: Pentatomidae) brown marmorated stink bug	II	<i>Abelia grandiflora</i> (Glossy abelia), <i>Abelmoschus esculentus</i> (okra), <i>Acer campestre</i> (field maple), <i>Acer circinatum</i> , <i>Acer japonicum</i> (full-moon maple), <i>Acer macrophyllum</i> (broadleaf maple), <i>Acer negundo</i> (box elder), <i>Acer palmatum</i> (Japanese maple), <i>Acer pensylvanicum</i> (striped maple), <i>Acer platanoides</i> (Norway maple), <i>Acer rubrum</i> (red maple), <i>Acer saccharinum</i> (silver maple), <i>Acer saccharum</i> (sugar maple), <i>Acer</i>	daun (leaves), kulit kayu (bark)	America: Canada, Chile, USA Asia: China, DPR Korea (North Korea), Georgia, Japan, Republic of Korea (South Korea), Taiwan, Turkey Europe: Albania, Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, France, Georgia, <b>Germany</b> , Greece, Hungary, Italy, Liechtenstein, Malta, Poland, Romania,

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			<p><i>tegmentosum</i>, <i>Actinidia deliciosa</i> (kiwifruit), <i>Aesculus glabra</i> (Texas buckeye), <i>Ailanthus altissima</i> (tree-of-heaven), <i>Amaranthus caudatus</i> (Love-lies-bleeding), <i>Amelanchier laevis</i> (Allegheny serviceberry), <i>Antirrhinum majus</i> (snapdragon), <i>Arctium minus</i> (common burdock), <i>Armoracia rusticana</i> (horseradish), <i>Asimina triloba</i> (Pawpaw-apple), <i>Basella alba</i> (Malabar spinach), <i>Betula nigra</i> (river birch), <i>Betula papyrifera</i> (paper birch), <i>Betula pendula</i> (common silver birch), <i>Brassica oleracea</i> (kubis, cabbages, cauliflowers), <i>Capsicum annuum</i> (cabai besar, paprika, bell pepper), <i>Caragana arborescens</i> (Siberian pea-tree), <i>Carpinus betulus</i></p>		<p>Russian Federation, Serbia, Slovakia, Slovenia, Spain, Switzerland, Ukraine Oceania: Guam</p>

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			(hornbeam), <i>Carya illinoensis</i> (pecan), <i>Carya ovata</i> (shagbark hickory), <i>Catalpa</i> , <i>Celastrus orbiculatus</i> (Asiatic bittersweet), <i>Celosia</i> , <i>Celosia argentea</i> (celosia), <i>Celtis</i> (nettle tree), <i>Celtis occidentalis</i> (hackberry), <i>Cephalanthus occidentalis</i> (common buttonbush), <i>Cercidiphyllum japonicum</i> (katsura), <i>Cercis canadensis</i> (eastern redbud), <i>Chenopodium</i> (Goosefoot), <i>Citrus</i> , <i>Citrus junos</i> (yuzu), <i>Cladrastis kentukea</i> (American yellowwood), <i>Cornus</i> (Dogwood), <i>Cornus florida</i> (Flowering dogwood), <i>Cornus officinalis</i> , <i>Cornus racemosa</i> (gray dogwood), <i>Cornus sericea</i> (redosier dogwood), <i>Corylus</i> , <i>Crataegus laevigata</i> , <i>Crataegus monogyna</i>		

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			(hawthorn), <i>Crataegus viridis</i> , <i>Cucumis sativus</i> (cucumber), <i>Cucurbita pepo</i> (marrow), <i>Diospyros kaki</i> (persimmon), <i>Elaeagnus angustifolia</i> (Russian olive), <i>Elaeagnus umbellata</i> (autumn olive), Ficus, <i>Ficus carica</i> (ara, fig), <i>Forsythia suspensa</i> , <i>Fraxinus americana</i> (white ash), <i>Fraxinus pennsylvanica</i> (downy ash), <i>Ginkgo biloba</i> (kew tree), <i>Gleditsia triacanthos</i> (honey locust), <i>Glycine max</i> (kedelai, soyabean), <i>Hamamelis virginiana</i> (Virginian witch- hazel), <i>Helianthus</i> (sunflower), <i>Hibiscus rosa-sinensis</i> (mawar, China-rose), <i>Humulus lupulus</i> (hop), <i>Ilex aquifolium</i> (holly), <i>Juglans nigra</i> (black walnut), <i>Juniperus virginiana</i> (eastern redcedar),		

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			<p><i>Koelreuteria paniculata</i> (golden rain tree), <i>Lagerstroemia indica</i> (Indian crape myrtle), <i>Larix kaempferi</i> (Japanese larch), <i>Ligustrum sinense</i> (Chinese privet), <i>Liquidambar styraciflua</i> (Sweet gum), <i>Liriodendron tulipifera</i> (tuliptree), <i>Lonicera</i> (honeysuckles), <i>Lonicera tatarica</i> (Tatarian honeysuckle), <i>Lythrum salicaria</i> (purple loosestrife), <i>Magnolia grandiflora</i> (Southern magnolia), <i>Mahonia aquifolium</i> (Oregongrape), <i>Malus baccata</i> (siberian crab apple), <i>Malus domestica</i> (apel, apple), <i>Malus zumi</i>, <i>Mimosa</i> (sensitive plants), <i>Morus</i> (mulberrytree), <i>Morus alba</i> (mora), <i>Paulownia tomentosa</i> (paulownia), <i>Phalaenopsis</i>, <i>Phaseolus</i> (beans), <i>Phaseolus</i></p>		



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			<p><i>lunatus</i> (lima bean), <i>Phaseolus vulgaris</i> (common bean), <i>Pisum sativum</i> (pea), <i>Prunus avium</i> (sweet cherry), <i>Prunus cerasifera</i> (myrobalan plum), <i>Prunus laurocerasus</i> (cherry laurel), <i>Prunus mume</i> (Japanese apricot tree), <i>Prunus persica</i> (persik, peach), <i>Prunus serotina</i> (black cherry), <i>Prunus serrulata</i> (Japanese flowering cherry), <i>Prunus subhirtella</i> (weeping Japanese cherry), <i>Pyracantha</i> (Firethorn), <i>Pyrus</i> (pears), <i>Pyrus calleryana</i> (bradford pear), <i>Pyrus communis</i> (pir, pear), <i>Pyrus pyrifolia</i> (Oriental pear tree), <i>Quercus alba</i> (white oak), <i>Quercus coccinea</i> (scarlet oak), <i>Quercus rubra</i> (northern red oak), <i>Rhamnus cathartica</i> (buckthorn), <i>Robinia pseudoacacia</i> (black locust),</p>		

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			<p><i>Rosa canina</i> (Dog rose), <i>Rosa multiflora</i> (multiflora rose), <i>Rosa rugosa</i> (rugosa rose), <i>Rubus</i> (blackberry, raspberry), <i>Rubus idaeus</i> (raspberry), <i>Rubus phoenicolasius</i>, <i>Salix</i> (willows), <i>Sassafras albidum</i> (common sassafras), <i>Solanum lycopersicum</i> (tomato), <i>Solanum melongena</i> (aubergine), <i>Solanum nigrum</i> (black nightshade), <i>Sorbus americana</i> (American mountainash), <i>Sorbus aria</i> (whitebeam), <i>Spiraea</i>, <i>Styrax japonica</i>, <i>Syringa pekinensis</i>, <i>Tilia americana</i> (basswood), <i>Tilia cordata</i> (small-leaf lime), <i>Tilia tomentosa</i> (silver lime), <i>Tsuga canadensis</i> (eastern hemlock), <i>Ulmus americana</i> (American elm), <i>Ulmus parvifolia</i> (lacebark elm), <i>Ulmus procera</i> (english elm),</p>		

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			<i>Vaccinium corymbosum</i> (blueberry), <i>Viburnum</i> , <i>Vitis riparia</i> (riverbank grape (USA)), <i>Vitis vinifera</i> (anggur, grapevine), <i>Zea mays</i> (jagung, corn, maize), <i>Zea mays</i> subsp. <i>mays</i> (jagung manis, sweetcorn), <i>Ziziphus sativa</i>		
111.	<i>Harmolita grandis</i> (Riley, 1884); (Lepidoptera: Tortricidae); wheat strand worm	II	<i>Avena sativa</i> (oat, oats), <i>Hordeum vulgare</i> (barli, barley), <i>Glycine max</i> (kedelai, soyabean), <i>Triticum aestivum</i> (gandum, wheat)	batang (stems), daun (leaves), tanah (soil)	America: USA
112.	<i>Harmolita tritici</i> (Fitch, 1859); (Lepidoptera: Tortricidae); wheat joint worm	II	<i>Avena sativa</i> (oat, oats), <i>Glycine max</i> (kedelai, soyabean), <i>Hordeum vulgare</i> (barli, barley), <i>Triticum aestivum</i> (gandum, wheat)	batang (stems), daun (leaves), tanah (soil)	America: USA Asia: West Asia Europe: Russian Federation
113.	<i>Helopeltis anacardii</i> Miller, 1954; (Heteroptera: Miridae); cashew helopeltis	II	<i>Anacardium occidentale</i> (jambu mete, cashew-nut)	batang (stems), daun (leaves), bunga (flowers, inflorescence)	Africa: Tanzania

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				s, cones, calyx), tangkai (branches), buah (fruits)	
114.	<i>Helopeltis bergrothi</i> Reuter, 1892; (Syn. <i>Helopeltis bergrothi disciger</i> Poppius, 1910, <i>Helopeltis bergrothi</i> <i>flavescens</i> GhesquiPre, 1922, <i>Helopeltis bergrothi nigripes</i> GhesquiPre, 1922, <i>Helopeltis</i> <i>bergrothi rubrinervis</i> Poppius, 1910); (Heteroptera: Miridae); helopeltis bug, cacao-mosquito, tea- bug, tea-mosquito, cacao mosquito	II	<i>Anacardium occidentale</i> (jambu mete, cashew-nut), <i>Camellia sinensis</i> (teh, tea), <i>Gossypium barbadens</i> (kapas, cotton), kina, <i>Manihot</i> <i>esculenta</i> (ubi kayu, cassava), <i>Ricinus communis</i> (jarak kepyar, castor bean), <i>Theobroma cacao</i> (kakao, cocoa)	batang (stems (above ground), trunks, branches), daun (leaves), bunga (flowers, inflorescence s, cones, calyx), pucuk tanaman (shoots), buah (fruits)	Africa: Angola, Benin, Burundi, Cameroon, Canary Island, Central African Republic, DR Congo, Equatorial Guinea, Gabon, Guinea, Ivory Coast, Mozambique, Niger, Nigeria, Rwanda, Togo Europe: Spain
115.	<i>Helopeltis schoutedeni</i> Reuter, 1906; (Syn. <i>Helopeltis sanguineus</i> Poppius, 1911, <i>Helopeltis schoutedeni rubra</i> Ghesquère, 1922, <i>Helopeltis</i> <i>schoutedeni vanderysti</i> Ghesquère,	II	<i>Anacardium occidentale</i> (jambu mete, cashew-nut), <i>Camellia sinensis</i> (the, tea), <i>Gossypium barbadens</i> (kapas, cotton), <i>Mangifera indica</i>	batang (stems (above ground), trunks), daun (leaves), buah	Africa: Angola, Burundi, Cameroon, Central African Republic, Chad, Ethiopia, Ghana, Guinea, Ivory Coast, Kenya,

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	1922); (Heteroptera: Miridae); tea mosquito, cotton bug, cacao- mosquito, tea-bug, cotton helopeltis, cotton helopeltis		(mangga, mango), <i>Ricinus communis</i> (jarak kepyar, castor bean)	(fruits (inc. pods), tangkai (branches), pucuk tanaman (shoots)	Liberia, Malawi, Mali, Mozambique, Nigeria, Rwanda, Sao Tome and Principe, Sierra Leone, Sudan, Tanzania, Togo, Uganda, Zimbabwe
116.	<i>Hercinothrips bicinctus</i> (Bagnall, 1919); (Syn. <i>Caliothrips bicinctus</i> , <i>Heliothrips bicinctus</i> , <i>Hercothrips bicinctus</i> BAGNALL); (Thysanoptera: Thripidae); banana thrips, banana-silvering thrips, smilax thrips	II	<i>Musa</i> spp. (pisang, banana)	daun (leaves), bunga (flowers, inflorescence s), buah (fruits), pelepah (midrib)	Africa: Equatorial Guinea, Guinea, Kenya, South Africa, Tanzania America: Bermuda, Brazil, Peru Asia: India Europe: Belgium, Portugal, Spain, United Kingdom Oceania: Australia, New Zealand
117.	<i>Heteroligus appius</i> Burm.; (Coleoptera: Scarabaeidae); esser yam beetle	II	<i>Dioscorea</i> spp. (gembili, yam)	batang (stems), daun (leaves), umbi (tubers)	Africa: Benin, Burkina Faso, Cameroon, Gambia, Ghana, Guinea, Ivory Coast, Mali, Liberia, Nigeria, Senegal, Sierra Leone, Togo

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118.	<i>Heteroligus meles</i> (Billberg, 1815); (Coleoptera: Scarabaeidae); greater yam beetle	II	<i>Dioscorea</i> spp. (gembili, yam)	batang (stems), daun (leaves), umbi (tubers)	Africa: Benin, Burkina Faso, Cameroon, Gambia, Ghana, Guinea, Ivory Coast, Mali, Liberia, Nigeria, Senegal, Sierra Leone, Togo
119.	<i>Hilda patruelis</i> (Stål); (Hemiptera: Tettigometridae); groundnut hopper	II	<i>Abelmoschus moschatus</i> (okra, lady's finger), <i>Arachys hypogaea</i> (kacang tanah, peanut), <i>Anacardium occidentale</i> (jambu mete, cashew-nut), <i>Citrus</i> spp. (jeruk, orange), <i>Helianthus annuus</i> (bunga matahari, sunflower), <i>Vigna radiata</i> (kacang hijau, mungbean), <i>Vigna cylindrica</i> (kacang tunggak, long bean), <i>Vigna</i> spp. (buncis, cowpea)	batang (stems), daun (leaves), akar (roots), bunga (flowers)	Africa: Tanzania
120.	<i>Homona magnanima</i> Diakonoff; (Lepidoptera: Tortricidae); leaf roller, tea tortrix, Oriental tea tortrix	II	<i>Arachys hypogaea</i> (kacang tanah, peanut), <i>Camellia sinensis</i> (teh, tea), <i>Citrus</i> spp.(jeruk, orange), <i>Chrysanthemum</i> spp. (krisan,	tunas (shoots), batang (stems (above ground),	Asia: China, Japan, Taiwan

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			chrysant), <i>Diospyros kaki</i> (kesemek, persimmon), <i>Eurya</i> spp., <i>Glycine max</i> (kedelai, soyabean), <i>Lithocarpus edulis</i> , <i>Malus domestica</i> (apel, apple), <i>Nandina domestica</i> , <i>Rosa</i> spp. (mawar, rose), <i>Pyrus communis</i> (pir, pear), <i>Paulownia tomentosa</i> , <i>Podocarpus</i> spp., <i>Prunus cerasus</i> (ceri, cherry), <i>Rhododendron</i> spp. (azalea), <i>Solanum melongena</i> (terung, aubergine, eggplant), buah batu (stone fruit)	trunks, branches), daun (leaves)	
121.	<i>Horcias nobilellus</i> (Berg) 1883; (Syn. <i>Capsus (Deraeocoris) nobilitatus</i> Stal, Berg, 1878 (misidentification), <i>Horcias (horciasoides) nobilellus</i> (Berg), <i>Horcias plagosus</i> Distant, Reuter, 1907 (misidentification), <i>Poecilopsus nobilellus</i> Berg, 1883); (Hemiptera: Miridae); cotton plant bug, cotton bug	II	<i>Abelmoschus moschatus</i> (okra, lady's finger), <i>Bidens pilosa</i> , <i>Gossypium barbadense</i> (kapas, cotton)	batang (stems (above ground), shoots, trunks, branches), daun (leaves)	America: Argentina, Bahamas, Bolivia, Brazil, Paraguay, Peru, Suriname, Uruguay, Venezuela

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122.	<i>Hylotrupes bajulus</i> (Linnaeus, 1758); (Coleoptera: Cerambycidae); house longhorne beetle/ European house borer	II	<i>Abies</i> (firs), <i>Pinus nigra</i> , <i>Pinus sylvestris</i> , <i>Picea</i> (spruce), <i>Larix</i> (larches), <i>Pseudotsuga menziesii</i> (Douglas firs)	batang (stems (above ground)/ shoots/ trunks/ branches), kayu (woods)	Africa: Algeria, Egypt, Ivory Coast, Libya, Madagascar, Morocco, South Africa, Spain, Tunisia, Zimbabwe America: Argentina, Brazil, Canada, Uruguay, USA Asia: China, Georgia, Iran, Iraq, Israel, Lebanon, Syria, Turkey Europe: Albania, Armenia, Austria, Azerbaijan, Belgium, Bosnia and Herzegovina, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Faroe Islands, Finland, France, <b>Germany</b> , Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxemburg, Malta, Montenegro,



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					Netherlands, North Macedonia, Norway, Poland, Portugal, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switerland, United Kingdom
123.	<i>Hyphantria cunea</i> Drury; (Syn. <i>Hyphantria textor</i> (Harris)); (Lepidoptera: Erebidae); blackheaded webworm, mulberry moth, redheaded webworm, fall webworm, American white moth	II	<i>Ailanthus altissima</i> , <i>Carya</i> spp., <i>Carya illinoensis</i> , <i>Carya ovata</i> , <i>Diospyros na</i> , <i>Humulus lupulus</i> (hops), <i>Juglans regia</i> (walnut, walnut), <i>Morus alba</i> , <i>Malus domestica</i> (apel, apple), <i>Liquidambar styraciflua</i> , <i>Pinus densiflora</i> , <i>Prunus cerasus</i> (ceri, cherry), <i>Juglans nigra</i> (walnut, walnut), <i>Ulmus americana</i> , <i>Pyrus communis</i> (pir, pear), <i>Prunus domestica</i> (prem, plum), <i>Prunus avium</i> , <i>Vitis vinifera</i> (anggur, grapevine)	batang (stems, trunks, shoots, branches), daun (leaves)	America: Canada, Mexico, USA Asia: China, DPR Korea (North Korea), Japan, Republic Of Korea (South Korea), Turkey Europe: Austria, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, France, Hungary, Italy, Moldova, Montenegro, North Macedonia Poland, Romania, Russian Federation, Serbia, Slovakia, Slovenia,

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					Switzerland, Ukraine Oceania: Federated States of Micronesia, Northern Mariana Island
124.	<i>Incisitermes minor</i> (Hagen); (Isoptera: Kalotermitidae); western drywood termite	II	Dry wood	batang, (stems, trunks), kayu (woods)	America: Canada, Hawaii, Mexico, USA
125.	<i>Ips typographus</i> Linnaeus; (Coleoptera: Curculionidae); European spruce bark beetle, eight- toothed bark beetle	II	Eucalyptus, Oak, Pines	batang (stems, shoots, trunks, branches), kayu (woods), kulit kayu (bark), tunas (shoots), cabang (branches)	Asia : China, DPR Korea (North Korea), Georgia, Japan, Republic of Korea (South Korea), Tajikistan, Turkey Europe : Austria, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, <b>Germany</b> , Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxemburg, Netherlands, Norway, Poland,

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					Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Sweden, Switzerland, Ukraine, United Kingdom
126.	<i>Jacobiasca lybica</i> (de Bergevin); (Syn. <i>Austroasca lybica</i> , <i>Chlorita lybica</i> , <i>Chlorita signata</i> , <i>Empoasca benedettoi</i> , <i>Empoasca lybica</i> (de Berg.), <i>Empoasca signata</i> (Haupt), <i>Jacobiasca signata</i> ); (Hemiptera: Cicadellidae); cotton jassid, green leafhopper (GLH)	II	<i>Cajanus cajan</i> (kacang gude, pigeon pea), <i>Gossypium barbadens</i> (kapas, cotton), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum tuberosum</i> (kentang, potato), <i>Vitis vinifera</i> (anggur, grapevine)	batang (stems), daun (leaves), buah (fruits)	Africa: Algeria, Central Africa, DR Congo, Egypt, Eritrea, Kenya, Libya, Mauritius, Morocco, Mozambique, Nigeria, Senegal, Somalia, South Africa, Sudan, Tanzania, Tunisia, Uganda America: Argentina Asia: India, Iran, Israel, Lebanon, Saudi Arabia, Turkey, Yemen Europe: Albania, Italy, Portugal, Spain
127.	<i>Jacobiella facialis</i> Jacobi; (Syn. <i>Chlorita facialis</i> , <i>Chlorita fascialis</i> , <i>Empoasca facialis</i> Jacobi); (Hemiptera, Cicadellidae);	II	<i>Solanum melongena</i> (terung, aubergine, eggplant)	batang (stems), daun (leaves), buah (fruits)	Africa: Congo, DR Congo, Gambia, Ghana, Kenya, Mauritania, Mozambique, Nigeria, Senegal,

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	green leafhopper				Somalia, South Africa, Sudan, Swaziland, Tanzania, Togo, Uganda, Zimbabwe Asia: Cambodia, India Oceania: Australia, Fiji
128.	<i>Keiferia lycopersicella</i> Walsingham; (Syn. <i>Gnorimoschema elmorei</i> , <i>Gnorimoschema lycopersicella</i> Busck, <i>Keiferia elmorei</i> , <i>Phthorimaea elmorei</i> , <i>Phthorimaea lycopersicella</i> ); (Lepidoptera: Gelechiidae); tomato pinworm	II	<i>Gossypium barbadens</i> (kapas, cotton), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Solanum</i> <i>lycopersicum</i> (tomat, tomato), <i>Solanum melongena</i> (terung, aubergine, eggplant), <i>Solanum tuberosum</i> (kentang, potato), <i>Solanum nigrum</i> (leunca, black nightshade)	daun (leaves), buah (fruits)	America: Bermuda, Bolivia, Canada, Colombia, Costa Rica, Cuba, Dominican Republic, Haiti, Jamaica, Mexico, Peru, Trinidad and Tobago USA, Venezuela
129.	<i>Lepidosaphes ulmi</i> (Linnaeus, 1758); (Syn. <i>Aspidiotus conchiformis</i> Curtis, 1843, <i>Aspidiotus falciformis</i> Baerensprung, 1849, <i>Aspidiotus</i> <i>juglandis</i> Fitch, 1855, <i>Aspidiotus</i> <i>pomorum</i> Bouché, 1851, <i>Aspidiotus</i> <i>pyrus-malus</i> Kennicott, Fernald, 1903, <i>Aspidiotus saliceti</i> (Lindinger) Ferris, 1941, <i>Coccus conchiformis</i>	II	<i>Catharanthus roseus</i> (Madagascar periwinkle), <i>Fagus grandifolia</i> (American beech), <i>Ficus carica</i> (ara, fig), <i>Fraxinus americana</i> (white ash), <i>Juglans regia</i> (walnut, walnut), <i>Malus domestica</i> (apel, apple), <i>Olea europaea</i> subsp. <i>europaea</i> (zaitun,	daun (leaves), batang (stems), buah (fruits)	Africa: Algeria, Egypt, South Africa, Tunisia America: Argentina, Brazil, Canada, Chile, Colombia, Mexico, Peru, USA, Uruguay Asia: Afghanistan, China, Georgia, India, Iran, Iraq, Israel, Japan,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	<p>(Curtis) Ferris, 1936, <i>Coccus ulmi</i> Linnaeus, 1758, <i>Diaspis linearis</i> Costa, 1835, <i>Lepidosaphes (Mytilaspis) ulmi</i> (Linnaeus) Hall, 1922, <i>Lepidosaphes ceratoniae</i> (Gennadios) Fernald, 1903, <i>Lepidosaphes conchiformis</i> (Curtis) Shimer, 1868, <i>Lepidosaphes juglandis</i> (Fitch) Fernald, 1903, <i>Lepidosaphes pomorum</i> (Bouché) Kirkaldy, 1902, <i>Lepidosaphes ulmi</i> (Linnaeus) Fernald, 1903, <i>Lepidosaphes ulmi bisexualis</i> Thiem, 1933, <i>Lepidosaphes ulmi candida</i> Fernald, 1903, <i>Lepidosaphes ulmi ulicis</i> Fernald, 1903, <i>Lepidosaphes ulmi unisexualis</i> Thiem, 1933, <i>Lepidosaphes ulmi vitis</i> Fernald, 1903, <i>Lepidosaphes ulmi-cotini</i> Koronéos, 1934, <i>Lepidosaphes ulmi-rosae</i> Koronéos, 1934, <i>Lepidosaphes vulva</i> Nel, 1933, <i>Mytilaspis (Lepidosaphes) pomorum</i> (Bouché) Lindinger, 1907, <i>Mytilaspis ceratoniae</i></p>		<p>olive), <i>Populus canadensis</i> (hybrid black poplar), <i>Populus deltoides</i> (poplar), <i>Populus nigra</i> (black poplar), <i>Prunus</i> (buah batu, stone fruit), <i>Pyrus communis</i> (pir, pear), <i>Salix alba</i> (white willow), <i>Tilia cordata</i> (small-leaf lime), <i>Vaccinium myrtillus</i> (blueberry), <i>Prunus salicina</i> (Japanese plum), <i>Rosa damascena</i> (Damask rose)</p>		<p>Kazakhstan, Republic of Korea (South Korea), Saudi Arabia, Syria, Taiwan, Turkey Europe: Armenia, Austria, Belgium, Bulgaria, Bosnia and Herzegovina, Croatia, Cyprus, Czech Republic, Denmark, France, <b>Germany</b>, Greece, Hungary, Italy, Luxemburg, Montenegro, Netherlands, North Macedonia, Norway, Poland, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom and Oceania: Australia</p>

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	<p>Gennadios, 1895, <i>Mytilaspis juglandis</i> (Fitch) Signoret, 1870, <i>Mytilaspis pomicorticis</i> Riley, 1873, <i>Mytilaspis pomorum</i> (Bouché) Signoret, 1870, <i>Mytilaspis pomorum</i> var. <i>candidus</i> Newstead, 1901, <i>Mytilaspis pomorum</i> var. <i>ulicis</i> Newstead, 1901, <i>Mytilaspis ulicis</i> Douglas, 1886, <i>Mytilaspis ulmi</i> (Linnaeus) Cockerell, 1899, <i>Mytilaspis ulmi corticis</i> Riley, 1874, <i>Mytilaspis vitis</i> Goethe, 1884, <i>Mytilococcus saliceti</i> Lindinger, 1936, <i>Mytilococcus ulmi</i> (Linnaeus) Lindinger, 1935); (Hemiptera: Diaspididae); oystershell scale, apple mussel scale, mussel scale</p>				
130.	<p><i>Leptinotarsa decemlineata</i> Say, 1824; (Syn. <i>Chrysomela decemlineata</i> Say, <i>Doryphora decemlineata</i> Say, <i>Leptinotarsa multitaeniata</i> Stål, <i>Polygramma decemlineata</i> Say); (Coleoptera: Chrysomelidae);</p>	II	<p><i>Hyoscyamus niger</i> (black henbane), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Solanum tuberosum</i> (kentang, potato), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum melongena</i></p>	<p>umbi (bulbs, tubers, corms, rhizomes), batang (stems (above</p>	<p>Africa: Gabon America: Canada, Cuba, Guatemala, Mexico, USA Asia: China, Iran, Iraq, Japan, Kazakhstan, Kyrgyzstan, Tajikistan,</p>

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	Colorado potato beetle, Colorado beetle		(terung, aubergine, eggplant)	ground), shoots, trunks, branches), daun (leaves), tanah (soil)	Turkey, Turkmenistan, Uzbekistan Europe: Albania, Andorra, Armenia, Azerbaijan, Austria, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxemburg, Moldova, Montenegro, Netherlands, North Macedonia, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Switzerland, Ukraine
131.	<i>Leptocybe invasa</i> Fisher & La Salle; (Hymenoptera: Eulophidae); blue gum chalcid; eucalyptus gall	II	<i>Eucalyptus</i> , <i>Eucalyptus</i> <i>camaldulensis</i> (red gum), <i>Eucalyptus grandis</i> (saligna	daun (leaves), batang (stems,	Africa: Algeria, Egypt, Ethiopia, Kenya, Morocco, Mozambique,

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	wasp		gum), <i>Eucalyptus saligna</i> (Sydney blue gum), <i>Eucalyptus botryoides</i> , <i>Eucalyptus bridgesiana</i> , <i>Eucalyptus globulus</i> , <i>Eucalyptus gunnii</i> , <i>Eucalyptus maidenii</i> , <i>Eucalyptus robusta</i> , <i>Eucalyptus tereticornis</i> , <i>Eucalyptus viminalis</i>	trunks), ranting (branches), bibit (seedlings)	South Africa, Tanzania, Tunisia, Uganda, Zimbabwe America: Argentina, Brazil, Chile, Uruguay, USA Asia: Cambodia, China, India, Iran, Iraq, Israel, Jordan, Lao PDR (Laos), Lebanon, Syria, Thailand, Turkey, Vietnam Europe: France, Greece, Italy, Malta, Portugal, Spain, United Kingdom Oceania: Australia
132.	<i>Leptopharsa heveae</i> Drake & Poor, 1935; (Hemiptera: Tingidae); lace bug, rubber tingid bug	II	<i>Hevea brasiliensis</i> (karet, rubber tree)	tunas (buds, tips), batang (stems (above ground), shoots, trunks, branches), daun (leaves), bibit	America: Brazil



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				(seedlings), tanaman hasil mikropropaga si (micropropag ated plants)	
133.	<i>Leucoptera coffeina</i> Washburn; (Syn. <i>Leucoptera daricella</i> ); (Lepidoptera: Lyonetiidae); coffee leafminer	II	<i>Coffea</i> spp. (kopi, coffee), <i>Coffea arabica</i> (kopi arabika, arabica coffee), <i>Coffea</i> <i>eugenioides</i>	daun (leaves)	Africa: Angola, Burundi, Congo, Ethiopia, Kenya, Madagascar, Rwanda, Tanzania, Uganda America: Antigua and Barbuda, Bolivia, Brazil, Colombia, Costa Rica, Cuba, Dominica, Ecuador, El Salvador, French Guiana, Grenada, Guadeloupe, Guatemala, Guyana, Haiti, Honduras, Jamaica, Martinique, Montserrat, Peru, Puerto Rico, Saint Lucia, Saint Vincent and the Grenadines,

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					Suriname, Trinidad and Tobago, Venezuela Asia: Yemen
134.	<i>Leucoptera coma</i> Ghesquiere; (Lepidoptera: Lyonetiidae); coffee leafminer	II	<i>Coffea</i> spp. (kopi, coffee), <i>Coffea canephora</i> (kopi robusta, robusta coffee)	daun (leaves)	Africa: Congo, Uganda
135.	<i>Leucoptera meyricki</i> Ghesquiere; (Lepidoptera: Lyonetiidae); coffee leafminer	II	<i>Coffea</i> spp. (kopi, coffee)	daun (leaves)	Africa: Burundi, Central Africa, Kenya, Rwanda, South Africa, Tanzania, Uganda, Zimbabwe America: Brazil, Peru
136.	<i>Ligyris gibbosus</i> (De Geer); (Syn. <i>Bothynus gibbosus</i> (Deg.), <i>Lygirus californicus</i> Casey); (Coleoptera: Scarabaeidae); carrot beetle, carrot head beetle, muck beetle	II	<i>Apium graveolens</i> (seledri, celery), <i>Daucus carota</i> (wortel, carrot), <i>Helianthus annuus</i> (bunga matahari, sunflower), <i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Solanum tuberosum</i> (kentang, potato), <i>Zea mays</i> (jagung, corn, maize)	batang (stems), umbi (tubers, bulbs, rhizomes), akar (roots), tanah (soil)	America: Canada, Mexico, USA

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137.	<p><i>Liriomyza bryoniae</i> (Kaltenbach, 1858); (Syn. <i>Agromyza bryoniae</i> Kaltenbach, <i>Liriomyza citrulla</i> Rohdendorf, <i>Liriomyza mercurialis</i> Hering, <i>Liriomyza solani</i> Hering); (Diptera: Agromyzidae); tomato leafminer</p>	II	<p>Amaranthus (grain amaranth), <i>Apium graveolens</i> (seledri, celery), <i>Atropa</i> (Deadly nightshade), <i>Brassica juncea</i> var. <i>juncea</i> (Indian mustard), <i>Brassica oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Brassica rapa</i> cultivar group Mizuna, <i>Citrullus</i>, <i>Citrullus lanatus</i> (semangka, watermelon), <i>Cucumis melo</i> (melon, melon), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Cucurbita pepo</i> (labu kuning, zukini, zucchini), <i>Callistephus</i>, <i>Capsicum</i> (peppers), <i>Celosia argentea</i> (celosia), <i>Chenopodium</i> (Goosefoot), <i>Coriandrum sativum</i> (coriander), <i>Datura</i> (thorn-apple), <i>Gerbera jamesonii</i> (African daisy), <i>Hyoscamus</i>, <i>Lactuca sativa</i> (selada, lettuce), <i>Lamium</i> (deadnettle),</p>	<p>tunas (shoots), daun (leaves), tanah (soil), bibit (seedlings, micropropagated plants)</p>	<p>Africa: Egypt, Morocco Asia: China, India, Israel, Japan, Nepal, Republic of Korea (South Korea), Taiwan, Turkey, Turkmenistan, Vietnam Europe: Albania, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, <b>Germany</b>, Greece, Hungary, Italy, Latvia, Lithuania, Malta, Moldova, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Slovenia, Spain, Sweden, Ukraine, United Kingdom</p>

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			Levisticum, Linaria (Toadflax), Lupinus (lupins), Lycium (boxthorn), <i>Nicandra physalodes</i> (apple of Peru), Petroselinum (parsley), Petunia, <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Pisum sativum</i> (kapri, sweet pea), Ricinus, Polyphagous (polyphagous), <i>Solanum tuberosum</i> (kentang, potato), Solanaceae, <i>Solanum lycopersicum</i> (tomat, tomato), Saponaria (soapwort), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum melongena</i> (terung, aubergine, eggplant), <i>Spinacia oleracea</i> (bayam, spinach), Verbena (vervain), Withania		
138.	<i>Listronotus bonariensis</i> (Kuschel, 1955); (Syn. <i>Hyperodes bonariensis</i> Kuschel, <i>Hyperodes griseus</i> Marshall, 1937,	II	<i>Agrostis capillaris</i> (brown bentgrass), <i>Anthoxanthum puelii</i> (Annual vernalgrass), <i>Avena sativa</i> (oat, oats),	batang (stems), daun (leaves), akar (roots), bunga	America: Argentina, Bolivia, Brazil, Chile, Uruguay Oceania: Australia, New

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	<i>Neobagous setosus</i> Hustache, 1929); (Coleoptera: Curculionidae); argentine stem weevil, ryegrass stem weevil, shoot weevil, weevil, argentine stem, weevil, ryegrass stem, wheat stem weevil		<i>Bromus</i> spp. (brome-grasses), <i>Cynodon</i> spp. (quickgrass), <i>Dactylis</i> (Orchardgrass), <i>Digitaria</i> (crabgrass), <i>Echinochloa</i> spp., <i>Eleusine coracana</i> (finger millet), <i>Festuca pratensis</i> (english bluegrass), <i>Festuca rubra</i> (red fescue), <i>Hordeum vulgare</i> (barli, barley), <i>Lolium multiflorum</i> (italian ryegrass), <i>Lolium perenne</i> (perennial ryegrass), <i>Paspalum</i> , <i>Phleum pretense</i> (timothy), <i>Poa annua</i> (annual meadowgrass), Poaceae (grasses), <i>Triticum aestivum</i> (gandum, wheat), <i>Zea mays</i> (jagung, corn, maize), cerealia, rerumputan (Poaceae)	(flowers), biji (true seeds (inc. grains))	Zealand
139.	<i>Listronotus oregonensis</i> (LeConte, 1857); (Syn. <i>Listronotus latiusculus</i> auct. nec Boh., <i>Listronotus rudipennis</i>	II	<i>Anethum graveolens</i> (dill), <i>Apium graveolens</i> (seledri, celery), <i>Daucus carota</i> (wortel, carrot), <i>Petroselinum crispum</i>	akar (roots), batang (stems), daun (leaves), umbi	America: Canada, USA

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	Blatchley) (Coleoptera: Curculionidae); carrot weevil		(peterseli, parsley)	(tubers, bulbs), tanah (soil)	
140.	<i>Listronotus texanus</i> Stockton; (Syn. <i>Hyperodes texanus</i> Stockton); (Coleoptera: Curculionidae); carrot weevil	II	<i>Daucus carota</i> (wortel, carrot) <i>Petroselinum crispum</i> (peterseli, parsley)	akar (roots), batang (stems), daun (leaves), umbi (tubers/ rhizomes)	America: USA
141.	<i>Lobesia botrana</i> Denis & Schifferrmuller, 1776; (Syn. <i>Coccyx botrana</i> Praun 1869, <i>Cochylis botrana</i> Herrich-Schaffer, 1843, <i>Cochylis vitisana</i> Audouin, 1842, <i>Eudemis botrana</i> Frey, 1880, <i>Eudemis rosmarinana</i> Millière, 1866, <i>Grapholita botrana</i> Heinemann, 1863, <i>Noctua romani</i> O. Costa, 1840, <i>Polychrosis botrana</i> Ragonot, 1894, <i>Polychrosis botrana flavosquamella</i> Dufrane, 1960 (form), <i>Tortrix botrana</i> Denis & Schifferrmüller, 1776, <i>Tortrix</i> <i>romaniana</i> O. Costa, 1840, <i>Tortrix</i> <i>vitisana</i> Jacquin, 1788);	II	<i>Actinidia chinensis</i> (Chinese gooseberry), <i>Actinidia deliciosa</i> (kiwi, kiwi fruit), <i>Arbutus</i> <i>unedo</i> (arbutus), <i>Berberis</i> <i>vulgaris</i> (European barberry), <i>Clematis vitalba</i> (old man's beard), <i>Cornus mas</i> (cornelian cherry), <i>Cornus sanguinea</i> (dogwood), <i>Daphne gnidium</i> , <i>Daphne laureola</i> , <i>Dianthus</i> spp. (carnation), <i>Diospyros</i> <i>kaki</i> (kesemek, persimmon), <i>Hedera helix</i> (ivy), <i>Ligustrum</i> <i>vulgare</i> (privet), <i>Lonicera</i> <i>tatarica</i> (Tatarian	buah (fruits (inc. pods)), bunga (flowers, inflorescence s, cones, calyx)	Africa: Algeria, Egypt, Eritrea, Kenya, Libya, Morocco America: USA, Chile Asia: Georgia, Iran, Iraq, Israel, Jordan, Kazakhstan, Lebanon, Syria, Tajikistan, Turkey, Turkmenistan, Uzbekistan Europe: Armenia, Austria, Azerbaijan, Belgium, Bulgaria, Bosnia and Herzegovina, Croatia, Cyprus, Czech

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	(Lepidoptera: Tortricidae); grape berry moth, european grape vine moth, grape fruit moth, grape leaves-roller, grape moth, grape vine moth, vine moth		honeysuckle), <i>Menispermum canadense</i> (common moonseed), <i>Olea europea subsp. europea</i> (zaitun, olive), <i>Prunus cerasus</i> (ceri, cherry), <i>Prunus</i> spp., <i>Punica granatum</i> (delima, pomegranate), <i>Ribes</i> spp., <i>Parthenocissus quinquefolia</i> (Virginia creeper), <i>Prunus amygdalus</i> , <i>Prunus avium</i> (sweet cherry), <i>Prunus domestica</i> (prem, plum), <i>Prunus salicina</i> (Japanese plum), <i>Prunus spinosa</i> (blackthorn), <i>Punica granatum</i> (delima, pomegranate), <i>Ribes</i> (currants), <i>Ribes nigrum</i> (blackcurrant), <i>Ribes rubrum</i> (red currant), <i>Ribes uva-crispa</i> (gooseberry), <i>Rosmarinus officinalis</i> (rosemary), <i>Rubus caesius</i> (dewberry), <i>Rubus fruticosus</i> (blackberry), <i>Syringa vulgaris</i> (lilac),		Republic, Finland, France, <b>Germany</b> , Greece, Hungary, Italy, Luxemburg, North Macedonia, Malta, Moldova, Montenegro, Netherlands, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Switzerland, Ukraine, United Kingdom

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			<i>Tanacetum vulgare</i> (tansy), <i>Vitis vinifera</i> (anggur, grapevine), <i>Viburnum lantana</i> (Wayfaring tree), <i>Ziziphus jujuba</i> (common jujube)		
142.	<i>Longitarsus nigripennis</i> (Motschulsky); (Coleoptera: Chrysomelidae); flea beetle, pepper, pollu	II	<i>Piper nigrum</i> (lada, blackpepper)	daun (leaves), buah (fruits)	Asia: India.
143.	<i>Lygus lineolaris</i> Palisot de Beauvois, 1818; (Syn. <i>Capsus flavonotatus</i> Provancher, 1872, <i>Capsus lineolaris</i> Palisot de Beauvois, 1818, <i>Capsus oblineatus</i> Say, 1832, <i>Capsus strigulatus</i> Walker, 1873, <i>Lygus pratensis</i> var. <i>rubidus</i> Knight, 1917); (Hemiptera: Miridae); tarnished plant bug	II	<i>Amaranthus cruentus</i> (redshank), <i>Apium graveolens</i> (seledri, celery), <i>Anethum graveolens</i> (dill), <i>Apium graveolens</i> var. <i>dulce</i> (seledri, celery), <i>Asparagus officinalis</i> (asparagus, asparagus), <i>Aster spp.</i> , <i>Aster pilosus</i> (white heath aster), <i>Beta vulgaris</i> (bit, beetroot), <i>Bellis perennis</i> (common daisy), <i>Brassica oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Brassica napus</i> var. <i>napus</i> (rapa, rape), <i>Brassica oleracea</i> var. <i>botrytis</i> (bunga	batang (stems (above ground), trunks, shoots, branches), daun (leaves), bunga (flowers, inflorescence s, cones, calyx)	America: Bermuda, Canada, El Salvador, Guatemala, Honduras, Mexico, USA Asia: Georgia



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			kol, cauliflower), <i>Calendula officinalis</i> (pot marigold), <i>Cosmos</i> spp., <i>Cucumis sativus</i> (mentimun, cucumber), <i>Dahlia hybrids</i> , <i>Daucus carota</i> (wortel, carrot), <i>Dendranthema</i> spp., <i>Erigeron</i> (fleabane), <i>Fragaria ananassa</i> (stroberi, strawberry), <i>Gossypium hirsutum</i> (kapas, bourboncotton), <i>Gladiolus hybrids</i> (sword lily), <i>Glycine max</i> (kedelai, soyabean), <i>Helianthus</i> spp., <i>Lespedeza cuneata</i> (sericea lespedeza), <i>Malus</i> (ornamental species apple), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Phaseolus lunatus</i> (lima bean), <i>Phaseolus vulgaris</i> (buncis, common bean), Polyphagous (Polyphagous), <i>Papaver nudicaule</i> (iceland poppy), <i>Pinus echinata</i> (shortleaves		

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			pine), Populus (poplars), <i>Pyrus communis</i> (pir, pear), <i>Rubus</i> spp. (blackberry, raspberry), <i>Vigna</i> spp. (cowpea), <i>Prunus persica</i> (persik, peach), <i>Solanum tuberosum</i> (kentang, potato), <i>Salvia officinalis</i> (common sage), <i>Sinapis alba</i> (white mustard), <i>Tragopogon porrifolius</i> (oysterplant), <i>Trifolium incarnatum</i> (crimson clover), <i>Vicia sativa</i> (common vetch), <i>Verbena</i> spp. (vervain), <i>Zinnia elegans</i> (zinnia), <i>Zea mays</i> subsp. <i>mays</i> (jagung manis, sweetcorn)		
144.	<i>Lymantria dispar</i> Linnaeus; (Syn. <i>Bombyx dispar</i> Linnaeus, <i>Hypogymna dispar</i> Linnaeus, <i>Liparis dispar</i> Linnaeus, <i>Ocneria dispar</i> Linnaeus, <i>Phalaena dispar</i> Linnaeus, <i>Porthesia dispar</i> Linnaeus, <i>Porthetria dispar</i> Linnaeus); (Lepidoptera: Lymantriidae);	II	<i>Acer saccharum</i> (sugar maple), <i>Betula papyrifera</i> (paper birch), <i>Acer</i> (maples), <i>Acer negundo</i> (box elder), <i>Acer platanoides</i> (norway maple), <i>Acer rubrum</i> (red maple), <i>Acer saccharinum</i> (soft maple), <i>Alnus</i> (alders), <i>Alnus</i>	kulit kayu muda (bark), cabang (branches), tunas (shoots), batang (stems,	Africa: Algeria, Morocco, Tunisia America: Canada, USA. Asia: Afghanistan, China, DPR Korea (North Korea), India, Iran, Iraq, Israel, Japan, Kazakhstan, Kyrgyzstan, Lebanon,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	gypsy moth		<i>rhombifolia</i> (white alder), Betula (birches), <i>Betula alleganiensis</i> (yellow birch), <i>Betula lenta</i> (sweet birch), <i>Betula populifolia</i> (gray birch), Carpinus (hornbeams), Carya (hickories), <i>Castanea sativa</i> (chestnut), <i>Cedrus libani</i> (cedar of Lebanon), <i>Corylus</i> , <i>Corylus avellana</i> (hazel), <i>Eucalyptus camaldulensis</i> (red gum), Fagus (beeches), <i>Fagus grandifolia</i> (american beech), <i>Fagus sylvatica</i> (common beech), <i>Fraxinus americana</i> (white ash), <i>Fraxinus pennsylvanica</i> (downy ash), <i>Glycine max</i> (kedelai, soyabean), <i>Hamamelis virginiana</i> (virginian witch- hazel), Larix (larches), <i>Larix kaempferi</i> (Japanese larch), <i>Larix occidentalis</i> (western larch), <i>Liquidambar styraciflua</i>	shoots, trunks, branches), kayu (woods)	Mongolia, Republic of Korea (South Korea), Syria, Taiwan, Tajikistan, Turkey, Turkmenistan, Uzbekistan Europe: Armenia, Austria, Azerbaijan, Belarus, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, France, <b>Germany</b> , Greece, Hungary, Italy, Lithuania, Macedonia, Moldova, Montenegro, Netherlands, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<p>(sweet gum), <i>Litchi chinensis</i> (lichi), <i>Lithocarpus edulis</i>, <i>Malus</i> (ornamental species apple), <i>Malus domestica</i> (apel, apple), <i>Ostrya virginiana</i> (american hophornbeam), <i>Picea abies</i> (common spruce), <i>Picea jezoensis</i> (yeddo spruce), <i>Pinus</i> (pines), <i>Pinus brutia</i> (brutian pine), <i>Pinus contorta</i> (lodgepole pine), <i>Pinus echinata</i> (shortleaves pine), <i>Pinus resinosa</i> (red pine), <i>Pinus rigida</i> (pitch pine), <i>Pinus strobus</i> (eastern white pine), <i>Pinus sylvestris</i> (scots pine), <i>Pinus taeda</i> (loblolly pine), <i>Pistacia vera</i> (pistachio), <i>Platanus acerifolia</i> (London planetree), <i>Populus</i> (stone fruit), <i>Populus grandidentata</i> (bigtooth aspen), <i>Populus nigra</i> (black poplar), <i>Populus tremuloides</i> (trembling aspen),</p>		

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<p>Prunus (stone fruit), <i>Prunus armeniaca</i> (aprikot, apricot), <i>Prunus domestica</i> (prem, plum), <i>Prunus salicina</i> (japanese flowering cherry), <i>Prunus serotina</i> (black cherry), <i>Prunus serrulata</i> (japanese flowering cherry), <i>Pseudotsuga menziesii</i> (douglas-fir), <i>Pyrus</i> (pear, pears), <i>Quercus alba</i> (white oak), <i>Quercus coccinea</i> (scarlet oak), <i>Quercus ellipsoidalis</i> (Northern pin oak), <i>Quercus garryana</i> (Garry oak), <i>Quercus ilex</i> (holm oak), <i>Quercus lobata</i> (California white oak), <i>Quercus montana</i> (basket oak), <i>Quercus muehlenbergii</i> (Chinquapin oak), <i>Quercus palustris</i> (pin oak), <i>Quercus petraea</i> (durmast oak), <i>Quercus robur</i> (common oak), <i>Quercus rubra</i> (northern red oak), <i>Quercus</i></p>		

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<i>suber</i> (cork oak), <i>Quercus velutina</i> (black oak), <i>Quercus ilicifolia</i> (bear oak), <i>Robinia</i> (locust), <i>Robinia pseudoacacia</i> (black locust), <i>Salix</i> (willows), <i>Salix babylonica</i> (weeping willows), <i>Salix fragilis</i> (crack willows), <i>Ulmus</i> (elms), <i>Taxodium distichum</i> (bald cypress), <i>Tilia americana</i> (basswood), <i>Tilia cordata</i> (small-leaves lime), <i>Vaccinium</i> (blueberries), <i>Zea mays</i> (jagung, corn, maize)		
145.	<i>Macrodactylus subspinosus</i> (Fabricius); (Coleoptera: Scarabaeidae); rose chafer	II	<i>Beta</i> spp., cucurbitae, <i>Fragaria vesca</i> (wild strawberry), <i>Malus domestica</i> (apel, apple), <i>Prunus cerasus</i> (ceri, cherry), <i>Piper nigrum</i> (lada, pepper), legumes, <i>Prunus persica</i> (persik, peach), <i>Pyrus communis</i> (pir, pear), buah batulainnya (other stone fruit), <i>Rubus</i> spp., <i>Rosa</i>	akar (roots), daun (leaves), bunga (flowers, inflorescences, cones, calyx), tanah (soil)	America: Mexico, USA

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			(mawar, roses), <i>Vitis vinifera</i> (anggur, grapevine)		
146.	<i>Macroleptera nararia</i> Moore; (Syn. <i>Darna nararia</i> , <i>Natada nararia</i> Moore, <i>Parasa nararia</i> ); (Lepidoptera: Limacodidae); nettle grub, fringed nettle grub, slug caterpillar	II	<i>Camellia sinensis</i> (teh, tea), <i>Coffea</i> spp. (kopi, coffee), <i>Cocos nucifera</i> (kelapa, coconut), <i>Canna</i> spp. (bunga tasbih, canna), <i>Citrus</i> spp., <i>Crotalaria</i> spp., <i>Elaeis</i> <i>guineensis</i> (kelapa sawit, oil palm), <i>Erythrina</i> spp. (dadap, december tree), <i>Musa</i> spp. (pisang, banana), <i>Eucalyptus</i> <i>robusta</i> (swamp mahogany), <i>Gliricidia maculata</i> , <i>Lonicera</i> spp., (honeysuckles), <i>Psidium</i> <i>guineense</i> (guinea guava), <i>Rosa</i> spp. (mawar, rose), <i>Tephrosia</i> spp. (hoary-pea)	batang (stems (above ground), shoots, trunks, branches), daun (leaves), tanah (soil), kayu (woods), media tanam (growing media associated with plants), bibit (seedlings, micropropaga ted plants)	Asia: India, Sri Lanka
147.	<i>Macrotermes natalensis</i> (Haviland); (Syn. <i>Amplitermes natalensis</i> ,	II	<i>Eucalyptus macarthurii</i> , <i>Eucalyptus smithii</i> , <i>Eucalyptus</i>	batang (stems (above	Africa: South Africa, Uganda

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	<i>Bellicositermes natalensis</i> , <i>Termes natalensis</i> ); (Isoptera: Termitidae)		<i>camaldulensis</i> , <i>Eucalyptus grandis</i> , <i>Eucalyptus viminalis</i>	ground), trunks, shoots, branches), kayu (woods)	
148.	<i>Malacosoma americanum</i> (Fabricius, 1793); (Lepidoptera: Lasyocampidae); eastern tent caterpillar, American tent caterpillar, apple tent caterpillar, orchard tent caterpillar	II	<i>Acer rubrum</i> (red maple), <i>Acer saccharum</i> (sugar maple), <i>Alnus</i> (alders), <i>Amelanchier</i> (serviceberries), <i>Berberis vulgaris</i> (European barberry), <i>Betula alleghaniensis</i> (yellow birch), <i>Betula papyrifera</i> (paper birch), <i>Carya illinoensis</i> (pecan), <i>Corylus</i> , <i>Crataegus</i> (hawthorns), <i>Fagus grandifolia</i> (American beech), <i>Fraxinus americana</i> (white ash), <i>Fraxinus excelsior</i> (ash), <i>Hamamelis</i> (witchhazel), <i>Liquidambar styraciflua</i> (sweet gum), <i>Malus coronaria</i> (sweet crab-apple), <i>Malus domestica</i> (apel, apple), <i>Nyssa sylvatica</i> (tupelo), <i>Populus</i> (poplars),	batang (stems, trunks), kulit batang (bark), daun (leaves), buah (fruits)	America: Canada, USA



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<p><i>Populus grandidentata</i> (Bigtooth aspen), <i>Prunus domestica</i> (prem, plum), <i>Prunus pennsylvanica</i>, <i>Prunus persica</i> (peach), <i>Prunus salicina</i> (Japanese plum), <i>Prunus salicina</i> (Japanese plum), <i>Prunus serotina</i> (black cherry), <i>Prunus virginiana</i> (common chokecherrytree), <i>Quercus alba</i> (white oak), <i>Quercus rubra</i> (northern red oak), Rosa (roses), Salix (willows), Sorbus (rowan), <i>Tilia americana</i> (basswood), <i>Ulmus thomasii</i> (rock elm)</p>		
149.	<p><i>Maladera castanea</i> (Arrow); (Syn. <i>Aserica castanea</i> (Arr.), <i>Autoserica castanea</i> Arr.) (Coleoptera: Scarabaeidae); Asiatic garden beetle</p>	II	<p><i>Beta vulgaris</i> (bit, beetroot), <i>Capsicum annuum</i> (cabai besar, paprika, bell-pepper, hot pepper, chilies, red pepper), <i>Brassica rapa</i> subspec. <i>rapa</i> (turnip), <i>Daucus carota</i> (wortel, carrot), <i>Ipomoea batatas</i> (<i>Pastinaca</i></p>	tanaman (plants), tanah (soil)	America: USA Asia: China, Japan, Republic of Korea (South Korea)

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<i>sativa</i> (parsnip)		
150.	<i>Manduca quinquemaculata</i> (Haworth, 1803); (Syn. <i>Phlegethontius celeus</i> Hübner, [1812], <i>Phlegethontius quinquemaculata</i> Haworth, <i>Protoparce quinquemaculata</i> ab. <i>wirti</i> Schaus, 1927, <i>Protoparce quinquemaculatus</i> (Haworth, 1803), <i>Sphinx quinquemaculatus</i> Haworth, 1803); (Lepidoptera: Sphingidae); tomato hornworm, five-spotted hawkmoth, tobacco fly	II	<i>Atropa belladonna</i> (deadly nightshade), <i>Capsicum annuum</i> (cabai besar, paprika, bell pepper), <i>Cestrum floribundum</i> , <i>Datura stramonium</i> (jimsonweed), <i>Kallstroemia parviflora</i> , <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Nicotiana attenuata</i> , <i>Nicotiana sylvestris</i> , <i>Physalis viscosa</i> (sticky physalis), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum melongena</i> (terung, aubergine, eggplant), <i>Solanum tuberosum</i> (kentang, potato), <i>Solanum elaeagnifolium</i> (silverleaf nightsade), <i>Solanum grandiflorum</i>	batang (stems, trunks, shoots, branches), daun (leaves), tanah (soil)	America: Canada, USA
151.	<i>Manduca sexta</i> (Linnaeus, 1763); (Syn. <i>Macrosila carolina</i> (Linnaeus) Clemens, 1839, <i>Manduca carolina</i>	II	<i>Atropa belladonna</i> (deadly nightshade), <i>Cestrum floribundum</i> , <i>Datura</i>	batang (stems, trunks,	America: Antigua and Barbuda, Argentina, Bahama, Barbados,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	<p>(Linnaeus) Hübner [1809], <i>Phlegethontius carolina</i> (Linnaeus) Hübner [1819], <i>Phlegethontius sexta</i> (Linnaeus) Kirby, 1892, <i>Protoparce carolina</i> (Linnaeus) Butler, 1876, <i>Protoparce griseata</i> Butler, 1875, <i>Protoparce jamaicensis</i> Butler, 1876, <i>Protoparce leucoptera</i> Rothschild and Jordan, 1903, <i>Protoparce sexta</i> (Linnaeus) Rothschild &amp; Jordan, 1903, <i>Protoparce sexta luciae</i> Gehlen, 1928, <i>Protoparce sexta peruviana</i> Bryk, 1953, <i>Protoparce sexta saliensis</i> Kernbach, 1964, <i>Sphinx caestri</i> Blanchard, 1854, <i>Sphinx carolina</i> Linnaeus, 1764, <i>Sphinx eurylochus</i> Philippi, 1860, <i>Sphinx lycopersici</i> Boisduval, [1875], <i>Sphinx nicotianae</i> Boisduval, [1875], <i>Sphinx paphus</i> Cramer, 1779, <i>Sphinx sexta</i> Linnaeus, 1763, <i>Sphinx tabaci</i> Boisduval, [1875]); (Lepidoptera: Sphingidae); tomato hornworm, tobacco</p>		<p><i>stramonium</i> (kecubung, jimsonweed), <i>Capsicum annuum</i> (cabai besar, paprika, bell-pepper), <i>Datura wrightii</i>, <i>Kallstroemia parviflora</i>, <i>Musa</i> sp., <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Nicotiana sylvestris</i>, <i>Nicotiana attenuata</i>, <i>Physalis viscosa</i> (sticky physalis), <i>Sesamum indicum</i> (wijen, sesame), <i>Solanum melongena</i> (terung, aubergine, eggplant), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum tuberosum</i> (kentang, potato), <i>Solanum elaeagnifolium</i> (silverleaves nightshade), <i>Solanum grandiflorum</i>, <i>Verbena</i> spp.</p>	<p>shoots, branches), daun (leaves), tanah (soil)</p>	<p>Belize, British Virgin Bolivia, Brazil, Canada, Caribbean Islands, Cayman Island, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, French Guiana, Grenada, Guadeloupe, Guatemala, Guyana, Haiti, Honduras, Jamaica, Martinique, Mexico, Montserrat, Nicaragua, Panama, Paraguay, Peru, Puerto Rico, Saint Kitts &amp; Nevis, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, USA, Uruguay, Venezuela Oceania: Papua New Guinea</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/ HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	hornworm, Carolina sphinx (USA), tomato sphinx				
152.	<i>Mayetiola destructor</i> (Say); (Syn. <i>Cecidomyia destructor</i> , <i>Cecidomyia frumentaria</i> Rondani, <i>Chortomyia secalina</i> Loew, <i>Mayetiola</i> <i>mimeuri</i> Mesnil, <i>Mayetiola secalis</i> Bollow, <i>Phytophaga cerealis</i> Rondani, <i>Phytophaga destructor</i> ); (Diptera: Cecidomyiidae); hessian fly	II	<i>Agropyron</i> spp., <i>Hordeum</i> <i>vulgare</i> (barli, barley), <i>Secale</i> <i>cereale</i> (rye) <i>Triticum aestivum</i> (gandum, wheat)	batang (stems, trunks, shoots, branches), biji (true seed (inc. grain))	Africa: Algeria, Morocco, Tunisia America: Canada, USA Asia: Iraq, Israel, Kazakhstan, Syria, Turkey Europe: Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Italy, Latvia, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONYM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
					Ukraine, United Kingdom Oceania: New Zealand
153.	<p><i>Mythimna unipuncta</i> (Haworth, 1809); (Syn. <i>Cirphis unipuncta</i> Haworth, <i>Heliophila</i> Butl. <i>Heliophila unipuncta</i> Haworth, <i>Leucania antica</i> Walker, <i>Leucania extranea</i> Guenée, <i>Leucania saccharivora</i> Butl., <i>Leucania unipuncta</i> Haworth, <i>Leucania unipuncta tseki</i> Koutsaftikis, <i>Noctua unipuncta</i> Haworth, <i>Pseudaletia adultera</i>, <i>Pseudaletia unipuncta</i> (Haworth), <i>Pseudaletia unipuncta quecha</i> Franclemont, <i>Sideridis unipuncta</i> Haworth); (Lepidoptera: Noctuidae); rice armyworm, American army worm, American wainscot, armyworm, armyworm, American, armyworm, true, rice cutworm, true armyworm, white-speck</p>	II	<p><i>Allium</i> spp. (onions, garlic, leek, etc.), <i>Avena sativa</i> (oat, oats), <i>Brassica oleracea</i> var. <i>italica</i> (brokoli, broccoli), <i>Brassica oleracea</i> var. <i>botrytis</i> (cauliflower), <i>Brassica oleracea</i> var. <i>gemmifera</i> (Brussels sprouts), <i>Chenopodium quinoa</i> (quinoa), <i>Hordeum vulgare</i> (barli, barley), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Oryza sativa</i> (padi, paddy, rice), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Sorghum bicolor</i> (sorgum, sorghum), rumput dan serealea lainnya (Poaceae and other cerealia), <i>Panicum miliaceum</i> (millet), <i>Phaseolus</i> spp. (beans), <i>Secale cereale</i> (rye), <i>Solanum</i></p>	batang (stems, trunks, shoots, branches), daun (leaves), tanah (soil)	<p>Africa: Mali, Morocco, Niger, Senegal, Somalia, Togo America: Argentina, Bahamas, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Guatemala, Jamaica, Mexico, Panama, Paraguay, Puerto Rico, USA, Uruguay, Venezuela Asia: China, India, Iran, Israel, Turkey, Uzbekistan Europe: Bulgaria, Czech Republic, Denmark, France, <b>Germany</b>, Greece, Hungary, Iceland, Ireland, Italy, Luxemburg, Malta, Netherlands, Poland, Portugal, Romania,</p>

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			<i>lycopersicum</i> (tomat, tomato), <i>Solanum tuberosum</i> (kentang, potato), <i>Triticum</i> (wheat), Turfgrasses, <i>Trifolium</i> spp. (clovers), <i>Zea mays</i> subsp. <i>mays</i> (jagung manis, sweetcorn), <i>Zea mays</i> (jagung, corn, maize)		Russian Federation, Slovakia, Spain, Sweden, Switzerland, United Kingdom
154.	<i>Myzaphis rosarum</i> (Kaltenbach, 1843); (Hemiptera: Aphididae); lesser rose aphid	II	<i>Rosa</i> spp. (mawar, rose)	batang (stems, shoots, branches), daun (leaves), bunga (flowers, inflorescence s, cones, calyx)	Africa: South Africa Asia: India
155.	<i>Naupactus leucoloma</i> Boheman; (Syn. <i>Graphognathus leucoloma</i> Buchanan, <i>Pantomorus leucoloma</i> ); (Coleoptera: Curculionidae); whitefringed weevil, whitefringed beetle	II	<i>Allium ascalonicum</i> (bawang merah, shallot), <i>Allium cepa</i> (bawang bombay, onion), <i>Arachys hypogaea</i> (kacang tanah, peanut), <i>Ipomoea</i> <i>batatas</i> (ubi jalar, sweet	batang (stems (above ground), trunks, shoots, branches),	Africa: South Africa America: Argentina, Brazil, Chile, Peru, USA, Uruguay Oceania: Australia, New Zealand

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			potato), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Solanum tuberosum</i> (kentang, potato), <i>Trifolium repens</i> (semanggi putih, white clover), pastures	daun (leaves), umbi (tubers, bulbs), tanah (soil), akar (roots)	
156.	<i>Oberea bimaculatus</i> Leconte; (Coleoptera: Cerambycidae); raspberry cane borer	II	<i>Rosa</i> spp. (mawar, rose)	batang (stems, shoots, trunks), daun (leaves), bunga (flowers)	America: America.
157.	<i>Ophelimus maskelli</i> (Ashmead); (Hymenoptera: Eulophidae); Eucalyptus gall wasp	II	<i>Eucalyptus botryoides</i> , <i>Eucalyptus bridgesiana</i> , <i>Eucalyptus camaldulensis</i> (red gum), <i>Eucalyptus cinerea</i> , <i>Eucalyptus globulus</i> (Tasmanian blue gum), <i>Eucalyptus grandis</i> , <i>Eucalyptus gunii</i> , <i>Eucalyptus nicholii</i> , <i>Eucalyptus pulverulenta</i> , <i>Eucalyptus robusta</i> , <i>Eucalyptus rudis</i> , <i>Eucalyptus saligna</i> ,	daun (leaves)	Africa: Algeria, Morocco, Tunisia America: USA Asia: Israel, Syria, Turkey Europe: France, Italy, Malta, Portugal, Spain, United Kingdom Oceania: Australia, New Zealand

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			<i>Eucalyptus tereticornis</i> , <i>Eucalyptus viminalis</i> , <i>Eucalyptus</i> spp.		
158.	<i>Opogona sacchari</i> Bojer; (Syn. <i>Alucita sacchari</i> Bojer, <i>Gelechia ligniferalla</i> Walker, <i>Gelechia sanctaehelenae</i> Walker, <i>Hieroxestis ligniferella</i> , <i>Hieroxestis plumipes</i> Butler, <i>Hieroxestis sanctaehelenae</i> Walker, <i>Hieroxestis subcervinella</i> Walker, <i>Laverna plumipes</i> Butler, <i>Opogona sanctaehelenae</i> Walker, <i>Opogona subcervinella</i> (Walker), <i>Tinea subcervinella</i> Walker); (Lepidoptera; Tineidae); banana moth, sugarcane moth	II	<i>Ananas comosus</i> (nanas, pineapple), <i>Alpinia</i> , <i>Begonia</i> , <i>Bougainvillea spectabilis</i> (Bougainvillea), Bromeliaceae, Cactaceae (cacti), Bambusa (bamboo), Capsicum (peppers), <i>Chamaedorea</i> , <i>Chamaedorea elegans</i> (parlour palm), Cordyline, Dieffenbachia (dumbcanes), Dioscorea (gembili, yam), Dracaena, <i>Euphorbia pulcherrima</i> (poinsettia), Ficus, Hippeastrum, Heliconia, Hippeastrum, Musa (pisang, banana), Maranta (arrowroot), Polyphagous (polyphagous), Philodendron, Saintpaulia (african violet), Sansevieria (snake plant), <i>Sinningia speciosa</i> (gloxinia),	batang (stems (above ground), trunks, shoots, branches), daun (leaves), bunga (flowers, inflorescence s, cones, calyx), bibit (seedlings), umbi (tubers, bulbs), kulit kayu (bark)	Africa: Cape Verde, Madagascar, Mauritius, Morocco, Nigeria, Réunion, Saint Helena, Seychelles, South Africa America: Barbados, Bermuda, Honduras, USA, Brazil, Peru, Venezuela Asia: China, Israel, Japan Europe: <b>Germany</b> , Italy, Netherlands, Poland, Portugal, Spain, Switzerland



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			<i>Solanum melongena</i> (terung, aubergine, eggplant), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Strelitzia</i> , <i>Yucca</i> , <i>Zea mays</i> (jagung, corn, maize)		
159.	<i>Oryctes boas</i> Fabricius; (Coleoptera: Scarabaeidae); rhinoceros beetle, scarabeid oryctes boas	II	<i>Cocos nucifera</i> (kelapa, coconut), <i>Elaeis guineensis</i> (kelapa sawit, oil palm), <i>Phoenix dactylifera</i> (kurma, dates-palm), <i>Washingtonia</i> (washington-palm)	batang (stems, trunks, shoots, branches), daun (leaves), media tanam (growing media associated with plants), tanah (soil), umbi (bulbs, tubers, corms, rhizomes)	Africa: Angola, Benin, Burkina Faso, Burundi, Chad, Congo, DR Congo, Ethiopia, Gambia, Guinea-Bissau, Ivory Coast, Kenya, Madagascar, Malawi, Mali, Mauritania, Mauritius, Mozambique, Niger, Nigeria, Rwanda, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, Sudan, Tanzania, Togo, Uganda, Zimbabwe Asia: Saudi Arabia, Yemen
160.	<i>Oryctes elegans</i> Prell;	II	<i>Phoenix dactylifera</i> (kurma,	batang	Africa: Mauritius

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	(Coleoptera: Scarabaeidae); rhinoceros beetle		dates-palm)	(stems, trunks, shoots, branches), daun (leaves), media tanam (growing media associated with plants), tanah (soil)	Asia: Iran
161.	<i>Oryctes monoceros</i> (Olivier); (Syn. <i>Oryctes blucheaui</i> Fairmaire, 1898, <i>Oryctes insularis</i> Coquerel, 1852, <i>Scarabaeus monoceros</i> Olivier, 1789); (Coleoptera: Scarabaeidae); rhinoceros beetle; coconut beetle	II	<i>Cocos nucifera</i> (kelapa, coconut), <i>Elaeis guineensis</i> (kelapa sawit, oil palm), <i>Phoenix dactylifera</i> (kurma, dates-palm), <i>Agave sisalana</i> (sisal hemp), <i>Areca</i> spp., <i>Dracaena</i> spp., <i>Musa</i> spp. (pisang, banana), <i>Raphia</i> spp., <i>Saccharum officinarum</i> (tebu, sugarcane)	batang (stems, trunks, shoots, branches), daun (leaves), media tanam (growing media associated with plants), tanah (soil)	Africa: Angola, Benin, Burkina Faso, Burundi, Cameroon, Comoros, DR Congo, Congo, Ghana, Guinea, Guyana, Ivory Coast, Kenya, Liberia, Madagascar, Malawi, Mali, Mauritius, Mozambique, Niger, Nigeria, Rwanda, Reunion, Senegal, Seychelles, Sierra Leone, Somalia, South Africa,

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					Sudan, Tanzania, Togo, Uganda Asia: Saudi Arabia, Yemen
162.	<p><i>Ostrinia nubilalis</i> (Hubner); (Syn. <i>Botys nubilalis</i> Robin &amp; Laboulbène, 1884, <i>Botys silacealis</i> Hübner, 1796, <i>Micracris nubilalis</i>, <i>Micractis nubilalis</i> Hübner, <i>Pyralis</i> <i>nubilalis</i> Hübner, 1796, <i>Pyrausta</i> <i>nubilalis</i> Meyrick, 1890, <i>Pyrausta</i> <i>silacealis</i>); (Lepidoptera: Crambidae); European maize borer, European corn borer, corn moth, stalk borer</p>	II	<p><i>Avena sativa</i> (oat, oats), <i>Amaranthus hybridus</i> (bayam, spinach), <i>Amaranthus</i> spp. (grain amaranth), <i>Amaranthus</i> <i>retroflexus</i> (redroot pigweed), <i>Arctium minus</i> (common burdock), <i>Artemisia vulgaris</i> (mugwort), <i>Chrysanthemum</i> spp., <i>Capsicum</i> spp. (peppers), <i>Capsicum annuum</i> (cabai besar, paprika, bell pepper), <i>Chrysanthemum</i> (daisy), <i>Cynara scolymus</i> var. <i>Scolymus</i> (artisyok, globeartichoke), <i>Datura</i> <i>stramonium</i> (jimsonweed), <i>Echinochloa crus-galli</i> (barnyard grass), <i>Glycine max</i> (kedelai, soyabean), <i>Gossypium barbadens</i> (kapas,</p>	<p>batang (stems, trunks, shoots, branches), daun (leaves), buah (fruits), biji (true seed (inc. grain), tongkol (cob)</p>	<p>Africa: Algeria, Egypt, Libya, Morocco, Tunisia America: Canada, USA Asia: China, Georgia, Iran, Israel, Lebanon, Syria, Turkey Europe: Austria, Belarus, Belgium, Bulgaria, Bosnia and Herzegovina, Croatia, Cyprus, Czech Republic, Denmark, France, <b>Germany</b>, Greece, Hungary, Ireland, Italy, Moldova, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Slovenia, Spain,</p>

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			cotton), <i>Helianthus annuus</i> (bunga matahari, sunflower), <i>Humulus lupulus</i> (hop), <i>Hordeum vulgare</i> (barli, barley), <i>Humulus lupulus</i> (hops), <i>Malus domestica</i> (apel, apple), <i>Pennisetum glaucum</i> (pearl), rerumputan (Poaceae), <i>Populus</i> (poplars), <i>Prunus persica</i> (persik, peach), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Sorghum halepense</i> (Johnson grass), serealia lainnya (cerealialia), <i>Setaria italica</i> (foxtail millet), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum tuberosum</i> (kentang, potato), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Triticum aestivum</i> (gandum, wheat), <i>Vigna</i> spp. (cowpea), <i>Xanthium</i> (Cocklebur), <i>Zea mays</i> (jagung, corn, maize), <i>Zea mays</i> subsp. <i>mays</i>		Sweden, Switzerland, Ukraine, United Kingdom

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			(jagung manis, sweetcorn)		
163.	<i>Otiorhyncus sulcatus</i> (Fabricius, 1775); (Coleoptera: Curculionidae); black pine weevil	II	Pinus	batang (stems, trunks, shoots, branches), kulit kayu (bark), kayu (woods)	Africa: Egypt America: USA, Colombia, Chile, Canada Asia: Japan Europe: Russian Federation Oceania: Australia, New Zealand
164.	<i>Oulema oryzae</i> (Kuwayama, 1931); (Lema oryzae); (Coleoptera: Chrysomelidae); rice leaves beetle	II	<i>Oryza sativa</i> (padi, paddy, rice)	batang (stems), daun (leaves)	Asia: China, DPR Korea (North Korea), Georgia, Japan, Kazakhstan, Kyrgystan, Republic of Korea (South Korea), Tajikistan, Turkmenistan, Uzbekistan Europe: Armenia, Azerbaijan, Belarus, Estonia, Latvia, Lithuania, Moldova, Russian Federation,

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					Ukraine
165.	<i>Pachydissus sericus</i> Newman, 1838; (Coleoptera: Cerambycidae); longhorn beetle	II	<i>Acacia</i> spp.	batang (stems (above ground), trunks, shoots, branches), kayu (woods), kulit kayu (bark)	Oceania: Australia
166.	<i>Pachymerus lacerdae</i> (Chevr.); (Syn. <i>Pachymerus olearius</i> ); (Coleoptera: Bruchidae); palm kernel borer	II	<i>Elaeis guineensis</i> (kelapa sawit, oil palm)	buah (fruits), biji (true seed)	Africa: Benin, Burkina Faso, Cameroon, Cape Verde, Gabon, Ghana, Guinea-Bissau, Ivory Coast, Liberia, Mauritania, Niger, Nigeria, , Northwest Africa, Senegal, Sierra Leone, Togo America: Argentina, Bolivia, Brazil, Chile, Colombia, Dominican Republic, Ecuador,

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					French Guiana, Guyana, Panama, Peru, Paraguay, Peru, Uruguay, Venezuela
167.	<i>Pachymerus nucleorum</i> (Fabricius); (Syn. <i>Bruchus nucleorum</i> , <i>Caryoborus nucleorum</i> ); (Coleoptera: Bruchidae); coconut borer, kernel borer	II	<i>Cocos nucifera</i> (kelapa, coconut), <i>Elaeis guineensis</i> (kelapa sawit, oil palm)	buah (fruits), biji (true seed)	America: Brazil, French Guiana, Guyana, Paraguay
168.	<i>Paleacrita vernata</i> (Peck, 1795); (Syn. <i>Alsophila vernata</i> ); (Lepidoptera: Geometridae); spring cankerworm	II	<i>Ulmus</i> spp. (elm, elm), <i>Acer</i> spp., <i>Betula</i> spp., <i>Prunus</i> spp., kayu hutan lainnya (other forest trees)	batang (stems (above ground), trunks, shoots, branches), daun (leaves), buah (fruits)	America: Canada, USA
169.	<i>Papaipema nebris</i> Guenée: (Syn. <i>Papaipema nitela</i> ); (Lepidoptera: Noctuidae); stalk borer	II	Cerealia, <i>Panicum virgatum</i> , Poacea (grasses), <i>Rheum</i> <i>hybridum</i> (rhubarb), <i>Zea</i> <i>mays</i> (jagung, corn, maize), <i>Zea mays</i> subsp. <i>mays</i> (jagung manis, sweetcorn)	batang (stems), daun (leaves), bunga (flowers, inflorescence s, cones,	America: USA

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				calyx)	
170.	<i>Parallelodiplosis cattleyae</i> (Molliard, 1903); (Diptera: Cecydomiidae); cattleya midge	II	Orchidaceae (anggrek, orchid)	batang (stems), daun (leaves), bunga (flowers, inflorescence s, cones, calyx)	America: USA
171.	<i>Parthenolecanium corni</i> (Bouché, 1844); (Syn. <i>Coccus rosarum</i> Snellen van Volenhoven in De Graaf et al., <i>Coccus tiliae</i> Fitch, <i>Eulecanium corni corni</i> (Bouché); Schmutterer, <i>Eulecanium fraxini</i> King, <i>Eulecanium guignardi</i> King, <i>Eulecanium kansasense</i> (Hunter) King, <i>Eulecanium rosae</i> King, <i>Eulecanium vini</i> (Bouché) Cockerell, <i>Lecanium</i> (Eulecanium) <i>armeniicum</i> Craw; Cockerell & Parrott, <i>Lecanium</i> (Eulecanium) <i>assimile</i> Newstead; Reh	II	<i>Acer</i> (maples), <i>Aesculus hippocastanum</i> (horse chestnut), <i>Aphelandra squarrosa</i> (Zebra plant), <i>Buxus sempervirens</i> (common boxwood), <i>Crataegus</i> (hawthorns), <i>Carpinus betulus</i> (hornbeam), <i>Celtis occidentalis</i> (hackberry), <i>Citrus aurantiifolia</i> (lime), <i>Clematis vitalba</i> (old man's beard), <i>Cornus</i> (Dogwood), <i>Cornus sanguinea</i> (dogwood), <i>Corylus</i> , <i>Corylus avellana</i> (hazel),	bunga (flowers, inflorescence s, cones, calyx), buah (fruits), daun (leaves), batang (stems, trunks, shoots, branches), bibit tanaman	Africa: Algeria, Egypt, Libya America: Argentina, Brazil, Canada, Chile, Mexico, Peru, USA Asia: Afghanistan, China, DPR Korea (North Korea), Georgia, India, Iran, Israel, Japan, Kazakhstan, Republic of Korea (South Korea), Kyrgyzstan, Lebanon, Mongolia, Pakistan, Syria, Tajikistan, Turkey,



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	<p>=<i>Lecanium</i> (Eulecanium) <i>aurantiacum</i> Hunter, <i>Lecanium</i> (Eulecanium) <i>canadense</i> Cockerell; Cockerell &amp; Parrott, <i>Lecanium</i> (Eulecanium) <i>caryarum</i> Cockerell, <i>Lecanium</i> (Eulecanium) <i>corylifex</i> Fitch; Cockerell, <i>Lecanium</i> (Eulecanium) <i>crawii</i> Ehrhorn; Cockerell &amp; Parrott, <i>Lecanium</i> (Eulecanium) <i>cynosbati</i> Fitch; Cockerell &amp; Parrott, <i>Lecanium</i> (Eulecanium) <i>fitchii</i> Signoret; Cockerell &amp; Parrott, <i>Lecanium</i> (Eulecanium) <i>kingii</i> Cockerell, <i>Lecanium</i> (Eulecanium) <i>lintneri</i> Cockerell &amp; Bennett; Cockerell, <i>Lecanium</i> (Eulecanium) <i>maclurarum</i> Cockerell, <i>Lecanium</i> (Eulecanium) <i>ribis</i> Fitch; Cockerell &amp; Parrott, <i>Lecanium</i> (Eulecanium) <i>rugosum</i> Signoret; Cockerell, <i>Lecanium</i> (Eulecanium) <i>tarsale</i> Signoret; Cockerell &amp; Parrott, <i>Lecanium</i> (Eulecanium) <i>vini</i> Bouché; King &amp; Reh, <i>Lecanium adenostomae</i> Kuwana,</p>		<p>Cotoneaster, <i>Cydonia oblonga</i> (quince), <i>Euonymus europaeus</i>, Fraxinus (ashes), Jasminum (jasmine), <i>Juglans regia</i> (walnut), Lonicera (honeysuckles), <i>Magnolia grandiflora</i> (Southern magnolia), <i>Malus domestica</i> (apel, apple), <i>Mespilus germanica</i> (medlar), <i>Morus alba</i> (mora), Malus (ornamental species apple), <i>Mespilus germanica</i> (medlar), <i>Morus alba</i> (mora), Prunus (stone fruit), <i>Prunus domestica</i> (prem, plum), <i>Prunus persica</i> (persik. peach), Populus (poplars), <i>Prunus salicina</i> (Japanese plum), <i>Prunus serotina</i> (black cherry), <i>Pyracantha coccinea</i> (Scarlet firethorn), Populus (poplars), <i>Prunus salicina</i> (Japanese plum), <i>Prunus serotina</i> (black</p>	<p>(seedlings)</p>	<p>Turkmenistan, Uzbekistan Europe: Albania, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bulgaria, Bosnia and Herzegovina, Czech Republic, Croatia, Cyprus, Denmark, Finland, France, <b>Germany</b>, Greece, Hungary, Italy, Latvia, Lithuania, Luxembourg, Malta, Moldova, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/ HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	<p><i>Lecanium armeniacum</i> Craw, <i>Lecanium assimile</i> Newstead, <i>Lecanium canadense</i> Cockerell; Cockerell, <i>Lecanium caryaecanadense</i> Cockerell, <i>Lecanium corni</i> Bouché, <i>Lecanium corni robiniarum</i> Marchal, <i>Lecanium coryli</i> (Linnaeus); Sulc (misidentification), <i>Lecanium corylifex</i> Fitch, <i>Lecanium crawii</i> Ehrhorn, <i>Lecanium cynosbati</i> Fitch, <i>Lecanium fitchii</i> Signoret, <i>Lecanium folsomi</i> King, <i>Lecanium juglandifex</i> Fitch, <i>Lecanium kansasense</i> Hunter, <i>Lecanium lintneri</i> Cockerell &amp; Bennett in Cockerell, <i>Lecanium maclurae</i> Hunter, <i>Lecanium obtusum</i> Thro, <i>Lecanium persicae crudum</i> Green, <i>Lecanium pruinsum armeniacum</i> Craw; Tyrell, <i>Lecanium rehi</i> King in King &amp; Reh, <i>Lecanium ribis</i> Fitch, <i>Lecanium robiniarum</i> Douglas, <i>Lecanium rugosum</i> Signoret, <i>Lecanium tarsalis</i> Signoret, <i>Lecanium vini</i> Bouché,</p>		<p>cherry), <i>Pyracantha coccinea</i> (Scarlet firethorn), <i>Pyrus</i> (pir, pears), <i>Pyrus communis</i> (European pear), <i>Ribes uva-crispa</i> (gooseberry), <i>Robinia pseudoacacia</i> (black locust), <i>Rosmarinus officinalis</i> (rosemary), <i>Rubus</i> (blackberry, raspberry), <i>Rubus idaeus</i> (raspberry), <i>Ribes</i> (currants), <i>Ribes nigrum</i> (blackcurrant), <i>Ribes rubrum</i> (red currant), <i>Rosa</i> (mawar, roses), <i>Salix</i> (willows), <i>Sorbus</i> (rowan), <i>Spiraea</i>, <i>Taxus baccata</i> (English yew), <i>Tilia</i> (limes), <i>Ulmus</i> (elms), <i>Vaccinium myrtillus</i> (blueberry), <i>Viburnum</i>, <i>Vitis vinifera</i> (anggur, grapevine, <i>Wisteria sinensis</i> (purple wisteria)</p>		

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	<i>Lecanium websteri</i> King, <i>Lecanium wistariae</i> Signoret, <i>Parthenolecanium corni</i> (Bouché); Borchsenius, <i>Parthenolecanium coryli</i> (Linnaeus); Sulc (misidentification); (Hemiptera: Coccidae); European fruit lecanium brown scale; European fruit scale; peach scale; yew scale; fruit scale				
172.	<i>Pemphigus betae</i> Doane; (Syn. <i>Aphoides betae</i> (DOANE), <i>Hamadryaphis betae</i> (DOANE), <i>Kessleria betae</i> (DOANE), <i>Pemphigus balsamiferae</i> WILLIAMS) (Hemiptera: Aphididae); sugarbit root aphid	II	<i>Beta</i> spp., <i>Beta vulgaris</i> var. <i>saccharifera</i> (bit gula, sugar beet), <i>Chenopodium album</i> (fat hen), <i>Populus</i> (populars), <i>Populus fremontii</i> (Fremont cottonwood)	batang (stems, shoots, branches), daun (leaves), umbi (tubers, bulbs)	America: Canada, Mexico, USA
173.	<i>Peridroma saucia</i> (Hubner [1808]); (Syn. <i>Agrotis angulifera</i> Wallengren, 1860, <i>Agrotis impacta</i> Walker, [1857], <i>Agrotis inermis</i> Harris, 1841, <i>Agrotis intecta</i> Walker, [1857], <i>Agrotis ortonii</i> Packard, 1869, <i>Agrotis saucia</i> (Hübner), <i>Lycophotia margaritosa</i> (Haworth), <i>Lycophotia ochronota</i>	II	<i>Abies balsamea</i> (balsam fir), <i>Abies grandis</i> (grand fir), <i>Acer</i> (maples), <i>Acer negundo</i> (box elder), <i>Acer saccharum</i> (sugar maple), <i>Alcea rosea</i> (Hollyhock), <i>Allium cepa</i> (bawang bombay, onion), <i>Alnus rubra</i> (red alder), <i>Allium</i>	batang (stems, trunks, shoots, branches), daun (leaves), bunga (flowers,	Africa: Morocco, Tunisia America: Argentina, Bermuda, Brazil, Canada, Chile, Colombia, Costa Rica, Ecuador, Guatemala, Jamaica, Mexico, Peru, Puerto Rico, USA, Uruguay,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	<p>Hampson, 1903, <i>Lycophotia saucia</i> (Hübner), <i>Noctua aequa</i> Hübner, [1813], <i>Noctua majuscula</i> Haworth, 1809, <i>Noctua margaritosa</i> Haworth, 1809, <i>Noctua saucia</i> Hübner, [1808], <i>Peridroma margaritosa</i> (Haworth), <i>Rhyacia margaritosa</i> (Haworth), <i>Rhyacia saucia</i> (Hübner)); (Lepidoptera: Noctuidae); variegated cutworm, pearly underwing moth</p>		<p><i>ascalonicum</i> (bawang merah, shallot), <i>Apium graveolens</i> (seledri, celery), <i>Arachys hypogaea</i> (kacang tanah, peanut), <i>Asparagus officinalis</i> (asparagus, asparagus), <i>Asparagus setaceus</i> (asparagus fern), Aster, <i>Ambrosia artemisiifolia</i> (common ragweed), <i>Amelanchier canadensis</i> (thicket serviceberry), <i>Anthemis cotula</i> (dog fennel), <i>Avena sativa</i> (oat, oats), <i>Brassica</i> spp, <i>Beta vulgaris</i> (beetroot), <i>Beta vulgaris</i> var. <i>saccharifera</i> (sugar beet), <i>Brassica napus</i> var. <i>napus</i> (rape), <i>Brassica nigra</i> (black mustard), <i>Brassica rapa</i> subsp. <i>oleifera</i> (turnip rape), <i>Beta vulgaris</i> (bit, beetroot), <i>Brassica oleracea</i> (cabbages, cauliflowers), <i>Brassica</i></p>	<p>inflorescence s, cones, calyx), media tanam (growing media associated with plants), tanah (soil)</p>	<p>Venezuela Asia: China, Israel, Japan, Republic of Korea (South Korea), Sri Lanka, Syria, Taiwan, Turkey Europe: Albania, Armenia, Austria, Belgium, Bulgaria, Bosnia and Herzegovina, Canary Island, Croatia, Czech Republic, Denmark, Faroes Island, Finland, France, <b>Germany</b>, Greece, Hungary, Iceland, Ireland, Italy, Kosovo, Lithuania, Luxembourg, Macedonia, Malta, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland,</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<p><i>oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Brassica oleracea</i> var. <i>botrytis</i> (bunga kol, cauliflower), <i>Capsicum annuum</i> (cabai besar, paprika, bell-pepper), <i>Cynara scolymus</i> (artisyok, artichoke), <i>Capsella bursa-pastoris</i> (shepherd's purse), <i>Chrysanthemum</i> (daisy), <i>Cicer arietinum</i> (kacang arab, chickpea), <i>Cichorium</i> (chicory), <i>Cirsium</i> (thistle), <i>Citrus lemon</i> (lemon), <i>Chamaecyparis thyoides</i> (atlantic whitecedar), <i>Chenopodium quinoa</i> (quinoa), <i>Citrullus lanatus</i> (semangka, watermelon), <i>Cicer arietinum</i> (kacang arab, chickpea), <i>Citrus</i> spp. (jeruk, orange), <i>Conyza canadensis</i>, <i>Cucumis melo</i> (melon, melon), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Cucurbita maxima</i></p>		United Kingdom

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			(waluh, labu parang, pumpkin), <i>Daucus carota</i> (wortel, carrot), Dahlia, <i>Datura</i> <i>stramonium</i> (jimsonweed), Dianthus (carnation), <i>Epilobium angustifolium</i> (rosebay willowherb), Erigeron (Fleabane), <i>Fragaria vesca</i> (wild strawberry), <i>Fragaria</i> <i>ananassa</i> (stroberi, strawberry), Geranium (cranesbill), <i>Gladiolus hybrids</i> (sword lily), <i>Gleditsia</i> <i>triacanthos</i> (honey locust), Gossypium (cotton), <i>Gossypium barbadens</i> (kapas, cotton), <i>Gleditsia triacanthos</i> , <i>Helianthus annuus</i> (bunga matahari, sunflower), <i>Hordeum vulgare</i> (barli, barley), <i>Humulus lupulus</i> (hop), <i>Inula</i> <i>helenium</i> (Elecampane), <i>Ipomoea batatas</i> (ubi jalar,		

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			sweet potato), <i>Lathyrus odoratus</i> (sweet pea), <i>Linum usitatissimum</i> (flax), <i>Lolium</i> spp. (ryegrasses), <i>Lactuca sativa</i> (selada, lettuce), <i>Maclura pomifera</i> (osage orange), <i>Malus domestica</i> (apel, apple), <i>Mentha piperita</i> , <i>Melia azedarach</i> (Chinaberry), <i>Melilotus albus</i> (honey clover), <i>Mentha piperita</i> (Peppermint), <i>Mentha spicata</i> (Spear mint), <i>Morus alba</i> (mora), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Parthenium argentatum</i> (Guayule), <i>Petunia</i> , <i>Phaseolus lunatus</i> (lima bean), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Phleum pratense</i> (timothy), <i>Persea americana</i> (avokad, avocado), <i>Pimenta dioica</i> (allspice), <i>Pisum</i>		

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<p><i>sativum</i> (kapri, sweet pea),  <i>Pimenta dioica</i>, <i>Prunus americana</i> (aprikot, apricot),  <i>Prunus domestica</i> (prem, plum), <i>Pyrus communis</i> (pir,pear), <i>Portulaca oleracea</i>,  <i>Prunus cerasus</i>, <i>Prunus persica</i> (persik, peach),  <i>Pteridium aquilinum</i>, <i>Picea glauca</i> (white spruce), <i>Pisum sativum</i> (pea), <i>Plantago</i> (Plantain), <i>Polygonum</i> (knotweed), <i>Populus</i> (poplars),  <i>Portulaca oleracea</i> (purslane), <i>Prunus</i> (stone fruit), <i>Prunus salicina</i> (Japanese plum),  <i>Pseudotsuga menziesii</i> (Douglas-fir), <i>Pteridium aquilinum</i> (bracken), <i>Pyrus communis</i> (European pear),  <i>Raphanus sativus</i> (lobak, radish), <i>Rheum hybridum</i> (rhubarb), <i>Rhus</i> (Sumach),  <i>Ribes uva-crispa</i> (gooseberry),</p>		



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			<p>Rosa (roses), <i>Rubus idaeus</i> (raspberry), <i>Rubus fruticosus</i> (blackberry), <i>Rubus idaeus</i> (raspberry), <i>Rubus occidentalis</i> (black raspberry), <i>Raphanus sativus</i> (lobak, radish), Rumex (Dock), Salix (willows), <i>Salvia officinalis</i> (common sage), <i>Secale cereale</i> (rye), <i>Sinapis alba</i> (white mustard), <i>Spinacia oleracea</i>, <i>Stellaria media</i>, Solidago (Goldenrod), Sonchus (Sowthistle), <i>Spinacia oleracea</i> (spinach), <i>Stellaria media</i> (common chickweed), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum tuberosum</i> (kentang, potato), Trifolium (clovers), <i>Triticum aestivum</i> (gandum, wheat), turfgrasses, <i>Tropaeolum majus</i> (common nasturtium), <i>Tsuga canadensis</i> (eastern hemlock), Vaccinium (blueberries), Vicia</p>		

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			(vetch), <i>Vicia faba</i> (faba bean), <i>Vitis vinifera</i> (anggur, grapevine), <i>Viola</i> (violet), <i>Vigna</i> spp. (buncis, cowpea), <i>Xanthium strumarium</i> (common cocklebur), <i>Zea mays</i> (jagung, corn, maize), <i>Zea mays</i> subsp. <i>mays</i> (sweetcorn), <i>Zea mays</i> subsp. <i>mexicana</i> (teosinte), <i>Zinnia</i>		
174.	<i>Perileucoptera coffeella</i> (Guérin-Méneville); (Syn. <i>Cemiosstoma coffeella</i> (Guérin-Méneville), <i>Elachista coffeella</i> Guérin-Méneville, <i>Leucoptera coffeella</i> (Guérin-Méneville)) (Lepidoptera: Lyonetiidae); coffee leafminer, white coffee leafminer	II	<i>Coffea</i> spp. (kopi, coffee), <i>Coffea arabica</i> (kopi arabika, arabica coffee)	daun (leaves)	Africa: Madagascar America: Antigua and Barbuda, Barbados, Bolivia, Brazil, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, French Guiana, Grenada, Guadeloupe, Guatemala, Guyana, Haiti, Honduras, Jamaica, Martinique, Mexico, Montserrat, Nicaragua, Peru, Puerto

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					Rico, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, Venezuela
175.	<i>Phenacoccus gossypii</i> Townsend & Cockerell; (Syn. <i>Phenacoccus madeirensis</i> , <i>Phenacoccus grenadensis</i> , <i>Phenacoccus harbisoni</i> ); (Hemiptera: Pseudococcidae); Mexican mealybug, cassava mealybug	II	Avena sativa (oats), Acacia (wattles), Acalypha (Copperleaf), <i>Ageratina adenophora</i> (Croftonweed), Ambrosia (Ragweed), <i>Ananas comosus</i> (pineapple), <i>Artocarpus altilis</i> (breadfruit), Aster, Capsicum annum (cabai besar, paprika, bell pepper), Citrus, Coleus, <i>Cajanus cajan</i> (pigeon pea), Cassia (sennas), <i>Cestrum jessamine</i> , <i>Cestrum nocturnum</i> (night scented cestrum), <i>Codiaeum</i> (ornamental croton), <i>Codiaeum variegatum</i> (croton), Desmodium (tick clovers), Erigeron (Fleabane),	batang (stems, trunks, shoots, branches), daun (leaves), bunga (flowers, inflorescence s, cones, calyx)	Africa: Angola, Benin, Cameroon, Cape Verde, DR Congo, Gabon, Gambia, Ghana, Ivory Coast, Liberia, Malawi, Mauritius, Mozambique, Nigeria, Sao Tome and Principe, Senegal, Seychelles, Sierra Leone, Togo, Zimbabwe America: Antigua and Barbuda, Bermuda, Bahama, Barbados, British Virgin Islands, Bolivia, Cayman Islands, Costa Rica, Cuba, Dominica Republic, Ecuador, Guyana, Grenada, Guadeloupe,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			Fabaceae (leguminous plants), <i>Gossypium barbadens</i> (kapas, cotton), Geranium (cranesbill), Gesneriaceae, <i>Hibiscus mutabilis</i> (cottonrose), Hibiscus (rosemallows), <i>Lantana camara</i> , Lantana, Malvaceae, Mentha (mints), <i>Mikania micrantha</i> (mile-a- minute), Mimosa (sensitive plants), <i>Manihot esculenta</i> (ubi kayu, cassava), <i>Ocimum basilicum</i> (basil), Pachystachys, <i>Parthenium hysterophorus</i> (parthenium weed), Pelargonium, <i>Ricinus communis</i> (jarak kepyar, castor bean), Sophora, <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum melongena</i> (terung, aubergine, eggplan.), <i>Solanum tuberosum</i> (kentang, potato)		Guatemala, Haiti, Jamaica, Montserrat, Mexico, Panama, Puerto Rico, Saint Kitts and Nevis, Saint Lucia, Trinidad and Tobago, USA, Venezuela Asia: India, Philippines, Taiwan, Thailand, Yemen Europe: France, Greece, Portugal, Spain Oceania: Federated State of Micronesia, Guam
176.	<i>Phorachanta semipunctata</i>	II	<i>Eucalyptus diverisicolor</i> , E.	batang	Africa: South Africa

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	(Fabricius); (Coleoptera: Cerambycidae); Eucalyptus longhorned borer		<i>globules, E. maidenii</i>	(stems, trunks, shoots, branches), kayu (woods), kulit kayu (bark)	America: USA Europe: France, Italy, Netherlands, Portugal, Spain
177.	<i>Phylloxera vitifoliae</i> (Fitch).; (Syn. <i>Dactylosphaera vastatrix</i> (Planchon, <i>Dactylosphaera vitifoliae</i> (Shimer), <i>Daktulosphaira vitifoliae</i> Fitch, <i>Daktylosphaera vitifoliae</i> Fitch, <i>Pemphigus vitifoliae</i> Fitch, <i>Peritymbia</i> <i>vastatrix</i> Fitch, <i>Peritymbia vitifoliae</i> (Planchon), <i>Peritymbia vitisana</i> Westwood, <i>Phylloxera pervastatrix</i> Börner, <i>Phylloxera vastatrix</i> (Planchon, <i>Phylloxera vitifolii</i> (Fitch), <i>Rhizaphis vastatrix</i> (Planchon), <i>Viteus</i> <i>vastatrix</i> (Planchon), <i>Viteus vitifoliae</i> ); (Hemiptera: Phylloxeridae); phylloxera, grape phylloxera, vine louse, grape leaf louse	II	<i>Vitis vinifera</i> (anggur, grapevine), <i>Vitis aestivalis</i> (Summer grape), <i>Vitis labrusca</i> (fox grape), <i>Vitis riparia</i> (riverbank grape)	batang (stems (above ground), shoots, trunks, branches), daun, buah, bunga, akar	Africa: Algeria, Morocco, South Africa, Tunisia, Zimbabwe America: Argentina, Bermuda, Bolivia, Brazil, Canada, Colombia, Mexico, Panama, Peru, Uruguay, USA, Venezuela Asia: China, DPR Korea (North Korea), Georgia, India, Israel, Japan, Jordan, Lebanon, Republic of Korea (South Korea), Syria, Turkey Europe: Armenia, Austria, Azerbaijan, Bosnia and Herzegovina,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
					Bulgaria, Croatia, Czech Republic, France, <b>Germany</b> , Greece, Hungary, Italy, Luxembourg, Malta, Moldova, Montenegro, North Macedonia, Portugal, Poland, Romania, Russia, Slovakia, Slovenia, Serbia, Spain, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand
178.	<i>Pieris rapae</i> (Linnaeus, 1758); (Syn. <i>Artogeia rapae</i> , <i>Ascia rapae</i> , <i>Mancipium rapae</i> , <i>Papilio rapae</i> , <i>Pontia rapae</i> ); (Lepidoptera: Pieridae); cabbage butterfly, cabbage white butterfly, common cabbage worm, imported cabbage worm, rape white butterfly, small white butterfly	II	<i>Alliaria petiolata</i> (garlic mustard), <i>Brassica</i> spp., <i>Brassica oleracea</i> (cabbage, cauliflowers), <i>Brassica</i> <i>oleracea</i> var. <i>botrytis</i> (bunga kol, cauliflower), <i>Brassica</i> <i>oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Brassica</i> <i>oleracea</i> var. <i>gemmifera</i>	batang (stems, trunks, shoots, branches), daun (leaves)	Africa: Algeria, Egypt, Libya, Morocco America: Bermuda, Canada, Mexico, USA Asia: Afghanistan, Azerbaijan, China, DPR Korea (North Korea), Georgia, India, Iran, Iraq, Israel, Japan, Jordan,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			(Brussels sprouts), <i>Brassica oleracea</i> var. <i>gongylodes</i> (kohlrabi), <i>Brassica oleracea</i> var. <i>italica</i> (brokoli, broccoli), <i>Brassica oleracea</i> var. <i>viridis</i> (collards), <i>Brassica rapa</i> cultivar group, <i>Cakile maritima</i> , Caixin, <i>Brassica rapa</i> subsp. <i>oleifera</i> (turnip rape), <i>Brassica rapa</i> subsp. <i>pekinensis</i> , Brassicaceae (cruciferous crops), <i>Erysimum cheiranthoides</i> (Treacle mustard), <i>Rorippa indica</i> (indian marshcress), <i>Spinacia oleracea</i> (Spinach), <i>Tropaeolum majus</i> (common nasturtium)		Kyrgyzstan, Lebanon, Mongolia, Myanmar, Pakistan, Republic of Korea (South Korea), Singapore, Syria, Taiwan, Turkey, Vietnam Europe: Austria, Belarus, Belgium, Bulgaria, Bosnia and Herzegovina, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, <b>Germany</b> , Greece, Ireland, Italy, Kosovo, Latvia, Montenegro, Malta, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
					Oceania: Australia, New Zealand
179.	<i>Piesarthrus marginellus</i> Newman; (Coleoptera: Cerambycidae); acacia longhorn beetle	II	<i>Acacia</i> spp.	batang (stems, trunks, shoots, branches), kayu (woods), kulit kayu (bark)	Oceania: Australia
180.	<i>Pimelephila ghesquierei</i> Tams, 1930; (Lepidoptera: Pyralidae); African spear borer	II	<i>Cocos nucifera</i> (kelapa, coconut), <i>Elaeis guineensis</i> (kelapa sawit, oil palm), <i>Raphia</i> sp. (palem rafia, raffia palm)	batang (stems, trunks, shoots, branches), daun (leaves), titik tumbuh (growing points)	Africa: Benin, Cameroon, Central African Republic, Congo, DR Congo, Gabon, Gambia, Ghana, Guinea-Bissau, Guinea, Ivory Coast, Liberia, Niger, Nigeria, Senegal, Sierra Leone, Togo
181.	<i>Pissodes strobi</i> (Peck, 1817); (Syn. <i>Pissodes engelmanni</i> Hopkins, 1911, <i>Pissodes sitchensis</i> Hopkins, 1911); (Coleoptera: Curculionidae);	II	<i>Picea abies</i> (common spruce), <i>Picea engelmannii</i> (Engelmann spruce), <i>Picea glauca</i> (white spruce), <i>Picea sitchensis</i> (Sitka spruce), <i>Picea mariana</i> (black	batang (stems, trunks), kayu (woods), tunas	America: Canada, Mexico, USA



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	sitka spruce weevil		spruce), <i>Picea omorika</i> (Panic spruce), <i>Picea pungens</i> (blue spruce), <i>Picea rubens</i> (red spruce), <i>Pinus banksiana</i> (jack pine), <i>Pinus strobus</i> (eastern white pine), <i>Pinus balfourina</i> , <i>Pinus contorta</i> (lodgepole pine), <i>Pinus flexilis</i> (limber pine), <i>Pinus koraiensis</i> (fruit pine), <i>Pinus monticola</i> (western white pine), <i>Pinus mugo</i> (mountain pine), <i>Pinus nigra</i> (black pine), <i>Pinus parviflora</i> (Japanese white pine), <i>Pinus peuce</i> ,(macedonian pine), <i>Pinus resinosa</i> (red pine), <i>Pinus rigida</i> (pitch pine), <i>Pinus strobiformis</i> (southwestern white pine), <i>Pinus sylvestris</i> (Scots pine), <i>Pinus tecunumanii</i> (tecun uman pine), <i>Pinus wallichiana</i> (blue pine), <i>Pinus densifolia</i> , <i>Pinus flexilis</i> , <i>Pinus griffithii</i> , <i>Pinus</i>	(shoots), cabang (branches)	

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			<i>montocola, Pinus mugo, Pinus ponderosa, Pinus rigida, Pinus syvestris, Pseudotsuga menziesii</i>		
182.	<i>Planococcoides njalensis</i> (Laing); (Syn. <i>Pseudococcus njalensis</i> Laing, <i>Pseudococcus exitiabilis</i> Laing, <i>Planococcus njalensis</i> ); (Hemiptera: Pseudococcidae); west African cocoa mealybug	II	<i>Ananas comosus</i> (nanas, pineapple), <i>Bombax buonopozense</i> (silk-cotton tree), <i>Ceiba pentandra</i> (kapok), Clerodendrum (Fragrant clerodendron), <i>Coffea</i> spp. (kopi, coffee), <i>Coffea arabica</i> (kopi arabika, arabica coffee), <i>Coffea canephora</i> (kopi robusta, robusta coffee), <i>Coffea liberica</i> (Liberian coffee tree), <i>Cola acuminata</i> (cola), <i>Delonix regia</i> (flamboyant), Euphorbiaceae, Fabaceae (leguminous plants), <i>Gliricidia sepium</i> (mother of cocoa), <i>Mangifera indica</i> (mangga, mango), Rubiaceae, Solanaceae, Sterculiaceae, <i>Theobroma cacao</i> (kakao,	tunas (shoots), batang (stems, trunks), daun (leaves), buah (fruits), bibit (seedlings)	Africa: Benin, Cameroon, DR Congo, Congo, Ghana, Guinea, Ivory Coast, Liberia, Nigeria, Sao Tome and Principe, Senegal, Sierra Leone, Togo

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			cocoa), <i>Persea americana</i> (avokad, avocado)		
183.	<i>Planococcus kenyae</i> (Le Pelley); (Syn. <i>Planococcus subukiaensis</i> De Lotto. 1954, <i>Pseudococcus kenyae</i> Le Pelley, 1935, <i>P. Kenyaensis</i> , Betrem, 1936); (Hemiptera: Pseudococcidae); coffee mealybug, Kenya mealybug	II	<i>Acacia</i> spp. (wattles), <i>Annona cherimola</i> (cherimoya), <i>Annona squamosa</i> (srikaya, sweetsop), <i>Bauhinia purpurea</i> (purple bauhinia), <i>Beta vulgaris</i> (bit, beetroot), <i>Carissa edulis</i> (egyptian carissa), <i>Codiaeum variegatum</i> (croton), <i>Cajanus cajan</i> (kacang gude, pigeon pea), <i>Citrus</i> spp. (jeruk, orange), <i>Coffea</i> spp. (kopi, coffee), <i>Coffea arabica</i> (kopi arabika, arabica coffee), <i>Coffea canephora</i> (kopi robusta, robusta coffee), <i>Coffea eugenioides</i> , <i>Dioscorea</i> sp. (gembili, yam), <i>Erythrina abyssinica</i> (red hot poker tree), <i>Gardenia</i> , <i>Gliricidia</i> , <i>Gossypium barbadens</i> (kapas, cotton), <i>Indigofera</i> spp., (indigo), <i>Impatiens</i> (balsam),	tunas (shoots), batang (stems, trunks, branches), daun (leaves), bunga (flowers, inflorescence s, cones, calyx), buah (fruits), akar (roots), bibit (seedlings)	Africa: Burundi, Congo, DR Congo, Ghana, Ivory Coast, Kenya, Malawi, Mauritius, Nigeria, Rwanda, Sierra Leone, Sudan, Tanzania, Togo, Uganda, Zimbabwe

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			Inga, <i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Jacaranda mimosifolia</i> (Brazilian rose wood), <i>Lolium perenne</i> (perennial ryegrass), Phaseolus (beans), <i>Psidium guajava</i> (jambu batu, guava), <i>Pueraria lobata</i> , <i>Pueraria montana</i> var. <i>lobata</i> (kudzu), <i>Passiflora</i> spp. (passion flower), <i>Ricinus communis</i> (jarak kepyar, castor bean), <i>Sesbania grandiflora</i> (turi, agati), <i>Sesbania sesban</i> (sesban), <i>Saccharum officinarum</i> (tebu, sugarcane), Solanum (nightshade), <i>Solanum seaforthianum</i> (star potato-vine), <i>Sonchus oleraceus</i> (common sowthistle), <i>Theobroma cacao</i> (kakao, cocoa)		
184.	<i>Platyomopsis egena</i> (Pascoe); (Coleoptera: Cerambycidae);	II	<i>Acacia</i> spp.	batang (stems,	Oceania: Australia

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	grey ringbarker			trunks, shoots, branches), kayu (woods), kulit kayu (bark)	
185.	<i>Platymopsis nigrovireus</i> Donovan; (Coleoptera: Cerambycidae); green striped longhorn beetle	II	<i>Acacia</i> spp.	batang (stems, trunks, shoots, branches), kayu (woods), kulit kayu (bark)	Oceania: Australia
186.	<i>Popillia japonica</i> Newman; (Syn. <i>Aserica japonica</i> , <i>Aserica japonica</i> , <i>Maladera japonica</i> , <i>Serica japonica</i> ); (Coleoptera: Scarabaeidae); Japanese beetle, velvety chafer	II	<i>Acer</i> spp., <i>Asparagus officinalis</i> (asparagus, asparagus), <i>Aesculus</i> spp., <i>Althaea</i> spp., <i>Betula</i> spp., <i>Castanea</i> spp., <i>Glycine max</i> (kedelai, soyabean), <i>Hibiscus</i> spp., <i>Juglans nigra</i> , <i>Malus domestica</i> (apel, apple), buah batu (stone fruit), <i>Platanus</i> spp., <i>Populus</i> spp., <i>Rheum</i>	batang (stems, trunks, shoots, branches), daun (leaves), bunga (flowers, inflorescence s, cones,	America: Canada, USA Asia: India, Japan Europe: Italy, Portugal, Russian Federation

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			<i>hybridum</i> , <i>Rosa</i> spp. (mawar, rose), <i>Rubus</i> spp.(raspberry), <i>Salix</i> spp., <i>Sorbus americana</i> , <i>Sassafras albidum</i> , <i>Tilia</i> spp., turfgrasses, <i>Ulmus</i> spp., <i>Zea mays</i> (jagung, corn, maize)	calyx), akar (roots), tanah (soil)	
187.	<i>Prionoryctes canaliculus</i> Arrow.; (Coleoptera: Scarabaeidae); yam beetle	II	<i>Dioscorea</i> sp. (gembili, yam), <i>Dioscorea esculenta</i>	batang (stems), daun (leaves), umbi (tubers)	Africa: Algeria, Angola, Benin, Botswana, Burkina Faso, Burundi, Cape Verde, Cameroon, Central African Republic, Chad, Comoros, Congo, DR Congo, Djibouti, Egypt, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Kenya, Lesotho, Liberia, Libya, Madagascar, Malawi, Mali, Mauritania, Mauritius, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda,

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					São Tomé and Príncipe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Swaziland, Togo, Tunisia, Uganda, Tanzania, Zambia, Zimbabwe
188.	<i>Prostephanus truncatus</i> (Horn.); (Syn. <i>Dinoderus truncates</i> ); (Coleoptera: Bostrichidae); larger grain borer, greater grain borer, scania beetle	II	<i>Arachis hypogaea</i> (kacang tanah, peanut), <i>Dioscorea</i> sp. (gembili, yam), Dried cassava (gaplek), <i>Manihot esculenta</i> (ubi kayu, cassava), stored products (dried dtored products), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Triticale</i> spp., <i>Triticum aestivum</i> (gandum, wheat), <i>Zea mays</i> (jagung, corn, maize)	umbi kering (tubers), biji (true seed (inc. grain), kayu (woods), akar (roots)	Africa: Benin, Burkina Faso, Burundi, Ghana, Guinea, Kenya, Malawi, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, South Africa, Tanzania, Togo, Zambia America: Brazil, Canada, Colombia, Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama, Peru, USA Asia: Cambodia Europe: France, Italy
189.	<i>Protomelittoma insulare</i> Fairmaire;	II	<i>Cocos nucifera</i> (kelapa,	batang	Africa: Madagascar,

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	(Coleoptera: Lymexylidae); stem borer		coconut), <i>Elaeis guineensis</i> (kelapa sawit, oil palm)	(trunks, shoots, branches)	Seychelles
190.	<i>Pseudococcus aurilanatus</i> (Maskell, 1890); (Hemiptera: Pseudococcidae); Golden mealybug, yellow banded mealybug	II	<i>Araucaria</i> spp.	batang (trunks, shoots, branches), kayu (woods)	Africa: Kenya, Uganda America: Canada, Mexico, USA Oceania: Australia, New Zealand
191.	<i>Pseudococcus calceolariae</i> (Maskell, 1893); (Syn. <i>Dactylopius calceolariae</i> (Maskell), <i>Erium calceolariae</i> ((Maskell) Lindinger), <i>Pseudococcus citrophilus</i> (Clausen), <i>P. fragilis</i> Brain; <i>P. gahani</i> Green, <i>P. similans</i> ); (Hemiptera: Pseudococcidae); scarlet mealybug, Citrophilus mealybug, currant mealybug	II	<i>Abutilon</i> (Indian Mallow), <i>Arachis hypogaea</i> (kacang tanah, peanut), <i>Brachychyton</i> , <i>Brassica</i> , <i>Ceanothus</i> (white-thorne), <i>Chenopodium</i> (Goosefoot), <i>Citrus medica</i> (citron), <i>Conium maculatum</i> (Poison hemlock), <i>Crataegus</i> , (hawthorns), <i>Cynodiaoblonga</i> (quince), <i>Daucus carota</i> (wortel, carrot), <i>Dodonaea viscosa</i> (switsch sorrel), <i>Eugenia</i> , <i>Ficus</i> , <i>Fragaria</i> (stroberi, strawberry), <i>Geranium</i> (cranesbill), <i>Hedera</i>	seluruh bagian tanaman (whole plants)	Africa: Ghana, Madagascar, Morocco, Namibia, South Africa America: Argentina, Brazil, Bolivia, Central America, Colombia, Chile, Dominican Republic, Ecuador, French Guiana, Mexico, Paraguay, Peru, Uruguay, USA, Venezuela, Asia: China, Georgia Europe: Czech Republic, France, Italy,



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			<p><i>helix</i> (ivy), <i>Helianthus</i>spp. (sunflower), <i>Heliotropium arborescens</i> (cherry pie), <i>Hibiscus</i> (rosemallows), <i>Juglans regia</i> (walnut), <i>Laburnum anargyroides</i> (laburnum), <i>Ligustrum</i> (privet), <i>Lolium</i> spp (ryegrasses), <i>Malus domestica</i> (apel, apple), <i>Malus sylvestris</i> (crab-apple tree), <i>Malva</i> (mallow), <i>Musa paradisiaca</i> (pisang kepok, plantain), <i>Nerium oleander</i> (oleander), <i>Pelargonium</i> (pelargoniums), <i>Pinus radiata</i> (radiata pine), <i>Pisum sativum</i> (pea), <i>Pittosporum tobira</i> (japanese pittosporum), <i>Pittosporum undulatum</i> (pittosporum), <i>Polyscias</i>, <i>Prunus</i>, (stone fruit), <i>Pyrus communis</i> (European pear), <i>Rheum hybridum</i>, (rhubarb), <i>Rhododendron</i> (Azalea), <i>Ribes</i></p>		<p>Netherlands, Portugal, Russian Federation, Slovakia, Spain, Ukraine, United Kingdom Oceania: Australia, New Zealand</p>

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			<i>sanguineum</i> (Flowering currant), <i>Rosa</i> (mawar, roses), <i>Rubus</i> (blackberry, raspberry) <i>Schinus molle</i> (false pepper tree), <i>Sechium edulle</i> (chayotte), <i>Solanum tuberosum</i> (kentang, potato), <i>Theobroma cacao</i> (kakao, cocoa), <i>Vitis vinifera</i> (anggur, grapevine), <i>Saccharum officinarum</i> (tebu, sugarcane)		
192.	<i>Pseudothraupis wayi</i> Brown; (Syn. <i>Thraupis</i> sp. (Way, 1951)); (Hemiptera: Coreidae); coconut bug	II	<i>Anacardium occidentale</i> (jambu mete, cashew-nut), <i>Averrhoa carambola</i> (belimbing, carambola, starfruit), <i>Carya illinoensis</i> (pecan), <i>Cinnamomum myanmarnii</i> (bark of kayu manis, cassia vera), <i>Cinnamomum verum</i> (kayu manis, cinnamon), <i>Cocos nucifera</i> (kelapa, coconut), <i>Eriobotrya japonica</i> (lokwat, loquat), <i>Litchi chinensis</i> (leci,	batang (stems, trunks, shoots, branches), bunga (flowers, inflorescences, cones, calyx), buah (fruits)	Africa: Botswana, Ivory Coast, Kenya, South Africa, Tanzania, Zambia

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			lichi), <i>Macadamia</i> spp., <i>Macadamia integrifolia</i> (macadamia nut), <i>Mangifera</i> <i>indica</i> (mangga, mango), <i>Persea americana</i> (avokad, avocado), <i>Psidium guajava</i> (jambu biji, guava), <i>Theobroma cacao</i> (kakao, cocoa)		
193.	<i>Psila rosae</i> (Fabricius, 1794); (Syn. <i>Chamaepsila hennigi</i> Thomson & Pont, 1994, <i>Chamaepsila rosae</i> (Fabricius, 1794), <i>Musca rosae</i> Fabricius, 1794; preocc. [ICZN App. pending]); (Diptera: Psilidae); carrot root fly, carrot rust fly	II	<i>Apium graveolens</i> (seledri, celery), <i>Apium graveolens</i> var. <i>rapaceum</i> (celeriac), <i>Anethum</i> <i>graveolens</i> (dill), <i>Anthriscus</i> <i>cerefolium</i> , Brassica, <i>Brassica</i> <i>oleracea</i> var. <i>botrytis</i> (bunga kol, cauliflower), <i>Coriandrum</i> <i>sativum</i> (ketumbar, corriander), <i>Conium</i> <i>maculatum</i> (Poison hemlock), <i>Carum carvi</i> (jinten, caraway), <i>Daucus carota</i> (wortel, carrot), <i>Foeniculum vulgare</i> (adas pedas, fennel), <i>Levisticum</i> <i>officinale</i> (lovage),	umbi (bulbs, tubers, corms, rhizomes), media tanam (growing media associated with plants), tanah (soil)	America: Canada, USA Asia: Georgia, Japan, Mongolia, Turkey Europe: Austria, Belarus, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Hungary, Ireland, Italy, Latvia, Netherlands, Norway, Poland, Russia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: New Zealand

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			<i>Petroselinum crispum</i> (parseli, parsley), <i>Pastinaca sativa</i> (parsnip), <i>Raphanus sativus</i> (lobak, radish)		
194.	<i>Pyrrhia umbra</i> (Hufnagel, 1766); (Lepidoptera: Noctuidae); rose budworm, tobacco striped caterpillar	II	<i>Solanum lycopersicum</i> (tomat, tomato)	batang (stems, branches), daun (leaves), bunga (flowers, inflorescences, cones, calyx)	Asia: Georgia, Kazakhstan, Kyrgyzstan, Republic of Korea (South Korea), Tajikistan, Turkmenistan, Uzbekistan Europe: Armenia, Azerbaijan, Belarus, Estonia, Latvia, Lithuania, Moldova, Ukraine, Russian Federation, United Kingdom
195.	<i>Recilia mica</i> Kramer; (Hemiptera: Cicadellidae); cicadellid leafhopper	II	<i>Elaeis guineensis</i> (kelapa sawit, oil palm)	tunas (shoots), batang (trunks, branches), daun (leaves)	Africa: West Africa
196.	<i>Rhagoletis cerasi</i> Linnaeus;	II	<i>Lonicera xylosteum</i> (Fly	buah (fruits),	Asia: Georgia, Iran,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	(Syn. <i>Musca cerasi</i> , <i>Rhagoletis cerasi fasciata</i> , <i>R. cerasi nigripes</i> , <i>R. cerasi obsoleta</i> , <i>R. obsoleta</i> , <i>Spilographa cerasi</i> , <i>Tephritis cerasi</i> , <i>Trypeta signata</i> , <i>Urophora cerasorum</i> , <i>Urophora liturata</i> , <i>Zonosema cerasi</i> ); (Diptera: Tephritidae); European cherry fruit fly, cherry fruit fly		honeysuckle), <i>Malus domestica</i> (apel, apple), <i>Prunus americana</i> (aprikot, apricot), <i>Prunus persica</i> (persik, peach), <i>Prunus cerasus</i> (ceri, cherry), <i>Prunus avium</i> (sweet cherry), <i>Prunus mahaleb</i> (mahaleb cherry), <i>Prunus serotina</i> (black cherry), <i>Prunus domestica</i> (prem, plum), <i>Pyrus communis</i> (pir, pear)	media tanam (growing media associated with plants), tanah (soil)	Kazakhstan, Kyrgyzstan, Tajikistan, Turkey, Turkmenistan, Uzbekistan Europe: Austria, Belgium, Bulgaria, Bosnia and Herzegovina, Croatia, Czech Republic, Denmark, Estonia, France, <b>Germany</b> , Greece, Hungary, Italy, Latvia, Lithuania, Moldova, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine
197.	<i>Rhagoletis cingulata</i> (Loew); (Syn. <i>Trypeta (Rhagoletis) cingulate</i> Loew, <i>Trypeta cingulata</i> Loew);	II	<i>Prunus avium</i> (ceri manis, sweet cherry), <i>Prunus cerasus</i> (kersen, sour cherry), <i>Prunus</i>	buah (fruits (inc. pods), media tanam	America: Canada, Mexico, USA Europe: Austria,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	(Diptera: Tephritidae); Cherry fruit fly		<i>serotina</i> (black cherry), <i>Prunus americana</i> (aprikot, apricot), <i>Prunus persica</i> (persik, peach), <i>Prunus mahaleb</i> (mahaleb cherry), <i>Prunus virginiana</i> (common choke cherry tree), <i>Pyrus communis</i> (pir, pear), <i>Prunus domestica</i> (prem, plum) <i>Malus domestica</i> (apel, apple)	(growing media associated with plants), tanah (soil)	Belgium, Croatia, Czech Republic, France, <b>Germany</b> , Hungary, Netherlands, Slovenia, Switzerland
198.	<i>Rhagoletis fausta</i> (Osten-Sacken, 1877); (Syn. <i>Acidia fausta</i> (Osten-Sacken), <i>Rhagoletis intrudens</i> Aldrich, <i>Trypeta (Acidia) fausta</i> Osten-Sacken, <i>Trypeta fausta</i> Osten-Sacken); (Diptera: Tephritidae); black (dark) cherry fruit fly	II	<i>Prunus avium</i> (sweet cherry), <i>Prunus cerasus</i> (ceri, cherry), <i>Malus domestica</i> (apel, apple), <i>Prunus americana</i> (aprikot, apricot), <i>Prunus emarginata</i> (bitter cherry tree), <i>Prunus persica</i> (persik, peach), <i>Prunus domestica</i> (prem, plum), <i>Prunus mahaleb</i> (mahaleb cherry), <i>Prunus pensylvanica</i> (pin cherry), <i>Prunus serotina</i> (black cherry), <i>Prunus virginiana</i> (common choke cherry tree), <i>Pyrus communis</i>	buah (fruits), media tanam (growing media associated with plants), tanah (soil)	America: Canada, USA

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			(pir, pear)		
199.	<i>Rhagoletis pomonella</i> Walsh.; (Syn. <i>Rhagoletis symphoricarpi</i> , <i>Spilographa pomonella</i> (Walsh), <i>Trypeta pomonella</i> , <i>Zonosema</i> <i>pomonella</i> (Walsh)); (Diptera: Tephritidae); apple maggot fly, railroad worm	II	Amelanchier (service berries), Aronia (chockeberry), <i>Cornus</i> <i>florida</i> (Flowering dogwood), Cotoneaster, <i>Cotoneaster</i> <i>apiculatus</i> , <i>Cotoneaster</i> <i>coriaceus</i> , <i>Cotoneaster</i> <i>integerrimus</i> , <i>Crataegus</i> (hawthorns), <i>Crataegus crus-</i> <i>galli</i> (Cockspur hawthorn), <i>Crataegus douglasii</i> (black hawthorn), <i>Crataegus</i> <i>laevigata</i> , <i>Crataegus</i> <i>monogyna</i> (hawthorn), <i>Crataegus suksdorfii</i> , <i>Malus</i> (ornamental species apple), <i>Malus domestica</i> (apel, apple), <i>Malus baccata</i> (siberian crab apple), <i>Prunus</i> (stone fruit), <i>Prunus americana</i> (aprikot, apricot), <i>Prunus angustifolia</i> (Mountain cherry tree), <i>Prunus</i> <i>armeniaca</i> (aprikot, apricot), <i>Prunus avium</i> (sweet cherry),	buah (fruits (inc. pods)), media tanam (growing media associated with plants), tanah (soil)	America: Canada, Mexico, USA.

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<p><i>Prunus cerasifera</i> (myrobalan plum), <i>Prunus cerasus</i> (ceri, cherry), <i>Prunus domestica</i> (prem, plum), <i>Prunus persica</i> (persik, peach), <i>Prunus emarginata</i>(Bitter cherry tree), <i>Prunus mahaleb</i> (mahaleb cherry), <i>Prunus salicina</i> (Japanese plum), <i>Prunus virginiana</i> (common chokecherry tree), <i>Pyracantha coccinea</i> (Scarlet firethorn), <i>Pyrus communis</i> (pir, pear), <i>Pyrus pyrifolia</i> (Oriental pear tree), <i>Rosa</i> (roses), <i>Rosa rugosa</i> (rugosa rose), <i>Rosa virginiana</i> (Virginia rose), <i>Sorbus aucuparia</i> (mountain ash), <i>Sorbus scopulina</i></p>		
200.	<p><i>Rhynchophorus ferrugineus</i> (Olivier, 1790); (Syn. <i>Calandra ferrugineus</i> Fabricius, 1801, <i>Curculio ferrugineus</i>, 1790, <i>Rhynchophorus signaticollis</i></p>	II	<p><i>Areca catechu</i> (betelnut palm), <i>Arecastrum romanzofflanum</i> (queen palm), <i>Arenga saccharifera</i> (sugar palm), <i>Arenga pinnata</i> (aren, sugar</p>	titik tumbuh (growing points), batang (stems,	Africa: Egypt, Libya, Morocco, Tunisia America: Aruba, Curacao, Netherlands Antilles



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	Chevrolat, 1882); (Coleoptera: Curculionidae); red palm weevil		palm), <i>Borassus flabellifer</i> (toddy palm), <i>Calamus merrillii</i> (rattan), <i>Caryota cumingii</i> (fishtall palm), <i>Caryota</i> <i>maxima</i> (giant mountain fishtail palm), <i>Chamaerops</i> <i>humilis</i> (dwarf fan palm), <i>Cocos nucifera</i> (kelapa, coconut), <i>Corypha utan</i> , <i>Corypha umbraculifer</i> (talipot palm), <i>Elaeis guineensis</i> (kelapa sawit, oil palm), <i>Howea forsteriana</i> (Kentia palm), <i>Jubaea chilensis</i> (Chilean wine palm), <i>Livistona</i> <i>australis</i> (cabbage tree palm), <i>Livistona decipiens</i> (ribbon fan palm), <i>Livistona chinensis</i> (Chinese fan palm), <i>Livistona</i> <i>saribus</i> (serdang palm), <i>Livistona subglobosa</i> , <i>Metroxylon sagu</i> (sagu, sago palm), <i>Oneosperma horrida</i> , <i>Oneosperma tigillarum</i>	trunks, shoots, branches)	Asia: Bahrain, Bangladesh, Cambodia, China, Georgia, India, Iran, Iraq, Israel, Japan, Jordan, Kuwait, Lao PDR (Laos), Lebanon, Malaysia, Myanmar, Oman, Pakistan, Philippines, Qatar, Saudi Arabia, Singapore, Sri Lanka, Syria, Taiwan, Thailand, Turkey, United Arab Emirates, Vietnam, Yemen Europe: Albania, Croatia, Cyprus, France, Greece, Italy, Malta, Portugal, Slovenia, Spain

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			(nibong palm), <i>Phoenix canariensis</i> (Canary Island date palm), <i>Phoenix dactylifera</i> (kurma, date palm), <i>Phoenix sylvestris</i> (Indian date palm), <i>Phoenix theophrasti</i> (Cretan date palm), <i>Roystonea regia</i> , <i>Sabal umbraculifera</i> , <i>Saribus rotundifolia</i> , <i>Trachycarpus fortunei</i> (chusan palm), <i>Washingtonia</i> (Washington-palm)		
201.	<i>Rhynchophorus palmarum</i> (Linnaeus 1758); (Syn. <i>Calandra palmarum</i> (Linnaeus) 1801, <i>Cordyle barbirostris</i> Thunberg, 1797, <i>Cordyle palmarum</i> (Linnaeus) 1797, <i>Curculio palmarum</i> Linnaeus, 1758, <i>Rhynchophorus barbirostris</i> (Thunberg), <i>Rhynchophorus cycadis</i> Erichson, 1847, <i>Rhynchophorus depressus</i> Chevrollet, 1880, <i>Rhynchophorus languinosus</i> Chevrollet, 1880)	II	<i>Artocarpus communis</i> (sukun, breadfruit), <i>Ananas comosus</i> (nanas, pineapple), <i>Annona reticulata</i> , <i>Carica papaya</i> (pepaya, papaya), <i>Citrus</i> spp.(jeruk, orange), <i>Cocos nucifera</i> (kelapa, coconut), <i>Elaeis guineensis</i> (kelapa sawit, oil palm), <i>Mangifera indica</i> (mangga, mango), <i>Musa</i> spp. (pisang, banana), <i>Persea americana</i> (avokad, avocado),	batang (stems), daun (leaves)	America: Argentina, Barbados, Belize, Bolivia, Brazil, Colombia, Costa Rica, Cuba, Dominica, Ecuador, El Salvador, Guyana France, Grenada, Guadeloupe, Guatemala, Guyana, Honduras, Martinique, Mexico, Nicaragua, Panama, Paraguay, Peru, Puerto Rico, Saint Lucia,

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	(Coleoptera: Curculionidae); boring weevil		<i>Psidium guajava</i> (jambu biji, guava), <i>Phoenix dactylifera</i> (kurma, dates-palm), <i>Phoenix canariensis</i> , <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Theobroma cacao</i> (kakao, cocoa)		Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, Uruguay, USA, Venezuela
202.	<i>Rhynchophorus phoenicis</i> (Fabricius, 1801); (Syn. <i>Rhynchophorus niger</i> Faust, 1899 (var. of <i>phoenicis</i> ), <i>Rhynchophorus phoenicis</i> , <i>Rhynchophorus ruber</i> Faust, 1899 (var. of <i>phoenicis</i> )) (Coleoptera: Curculionidae); African palm weevil, boring weevil	II	<i>Cocos nucifera</i> (kelapa, coconut), <i>Elaeis guineensis</i> (kelapa sawit, oil palm), <i>Phoenix</i> spp.	batang (stems), daun (leaves), titik tumbuh (growing point)	Africa: Angola, Benin, Cameroon, DR Congo, Ethiopia, Ghana, Ivory Coast, Kenya, Mozambique, Nigeria, Senegal, Sierra Leone, Somalia, South Africa, Tanzania, Uganda
203.	<i>Sacadodes pyralis</i> Dyar, 1912; (Lepidoptera: Noctuidae); Colombian pink bollworm, pink cotton boll worm, Thurberia bollworm, Trinidad bollworm, South American red bollworm, sugarcane stalk borer, South American bollworm	II	<i>Abelmoschus esculentus</i> (okra, lady's finger), <i>Cienfuegosia affinis</i> , <i>Hibiscus sabdariffa</i> (rosela, roselle), <i>Gossypium barbadens</i> (kapas, cotton)	buah (fruits (in. Pods)), batang (stems (above ground), shoots, trunks, branches),	America: Colombia, Costa Rica, El Salvador, Guyana, Nicaragua, Panama, Paraguay, Trinidad and Tobago, Venezuela

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				daun (leaves), bunga (flowers, inflorescence s, cones, calyx), biji (true seed (inc. grain), tanah (soil)	
204.	<i>Saccharosydne saccharivora</i> (Westwood); (Syn. <i>Delphax saccharivora</i> Westw., <i>Saccharosdyne saccharivora</i> , <i>Stenocranoides viridis</i> , <i>Stenocranus saccharivorus</i> Westw.); (Hemiptera: Delphacidae); West indian cane fly, West Indian sugarcane leafhopper	II	<i>Saccharum officinarum</i> (tebu, sugarcane)	batang (stems), daun (leaves), bunga (flowers, inflorescence s, cones, calyx)	America: Antigua and Barbuda, Bahamas, Barbados, Cuba, Dominica, Grenada, Guadeloupe, Guatemala, Guyana, Haiti, Jamaica, Martinique, Puerto Rico, Saint Lucia, Saint Vincent and Grenadines, Trinidad and Tobago, USA, Venezuela
205.	<i>Sahlbergella singularis</i> Haglund; (Syn. <i>Sahlbergella theobroma</i> Dist.); (Heteroptera: Miridae); mirids, brown capsid, cocoa mirids,	II	<i>Bombax buonopozense</i> (silk- cotton tree), <i>Ceiba pentandra</i> (kapuk randu, kapok), <i>Cola</i> spp. (kola), <i>Cola nitida</i> (bitter	batang (stems (above ground), shoots,	Africa: Angola, Benin, Cameroon, Central African Republic, DR Congo, Congo, Equatorial

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	cocoa capsid, cocoa capsidstem sapper		cola), <i>Gossypium barbadens</i> (kapas, cotton), <i>Theobroma</i> spp., <i>Theobroma bicolor</i> (nicaraguan cocoa), <i>Theobroma cacao</i> (kakao, cocoa), <i>Theobroma grandiflorum</i> (cupuassu)	trunks, branches), daun (leaves), buah (fruits (inc. pods)	Guinea, Ghana, Ivory Coast, Madagascar, Nigeria, Sao Tome and Principe, Sierra Leone, Togo, Uganda
206.	<i>Scolytus rugulosus</i> (Muller); (Syn. <i>Eccoptogaster mediterraneus</i> Egg., <i>Eccoptogaster rugulosus</i> Ratz., <i>Ruguloscolytus mediterraneus</i> (Egg.), <i>Ruguloscolytus rugulosus</i> (Ratz.), <i>Scolytus mediterraneus</i> (Eggers)); (Coleoptera: Scolytidae); shoot hole borer, apple tree beetle, fruit tree bark beetle, shot-hole borer	II	<i>Malus domestica</i> (apel, apple), <i>Prunus cerasus</i> (kersen, cherry), <i>Prunus persica</i> (persik, peach), <i>Pyrus communis</i> (pir, pear), <i>Prunus domestica</i> (prem, plum), other stone fruit (buah batu lainnya)	batang (stems, trunks, shoots, branches), daun (leaves), buah (fruits)	Africa: Algeria, Egypt, Libya, Morocco, Tunisia America: Argentina, Brazil, Canada, Chile, Peru, Uruguay, USA, Asia: Afghanistan, Georgia, Iran, Iraq, Israel, Lebanon, Pakistan, Saudi Arabia, Syria, Turkey, Turkmenistan Europe: Albania, Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Finland, France, <b>Germany</b> , Greece,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
					Hungary, Italy, Malta, Moldova, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Russian Federation, Serbia, Slovenia, Slovakia, Spain, Sweden, Switzerland, Ukraine, United Kingdom
207.	<i>Sesamia calamistis</i> Hampson, 1910; (Syn. <i>Sesamia mediastriga</i> , <i>Sesamia vuteria</i> ); (Lepidoptera: Noctuidae); African pink stem borer, African pink borer of sugarcane, Mauritius pink borer of sugarcane, pink stalk borer of sugarcane, southern pink borer of sugarcane	II	<i>Carex</i> (sedges), <i>Cyperus papyrus</i> , <i>cerealia</i> , <i>Oryza sativa</i> (padi, paddy, rice), Poaceae (grasses), <i>Pennisetum glaucum</i> (pearl millet), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Triticum aestivum</i> (gandum, wheat), <i>Zea mays</i> (jagung, corn, maize)	batang (stems), daun (leaves)	Africa: Angola, Benin, Burkina Faso, Burundi, Cameroon, Comoros, DR Congo, Congo, Eritrea, Ethiopia, Gambia, Ghana, Ivory Coast, Kenya, Madagascar, Malawi, Mali, Mauritius, Mozambique, Niger, Nigeria, Rwanda, Reunion, Senegal, Sierra Leone, South Africa, Sudan, Tanzania, Togo, Uganda, Zambia,

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					Zimbabwe
208.	<p><i>Sesamia cretica</i> Lederer; (Syn <i>Sesamia cretica rufescens</i> Schawerda, <i>Sesamia cyrnaea</i> Mabille, <i>Sesamia griselda</i> Warren, <i>Sesamia</i> <i>pecki</i> Tams, <i>Sesamia uniformis</i> Dudgeon, <i>Sesamia vuteria vuterioides</i> Strand); (Lepidoptera: Noctuidae); corn stem borer, greater sugarcane borer, <i>Sorghum bicolor</i> (sorghum, sorghum) stem borer, stem corn borer, durra stem borer, corn pink borer, large corn borer, pink sugarcane borer, sugarcane pink borer, sorghum borer</p>	II	<p><i>Oryza sativa</i> (padi, paddy, rice), <i>Panicum miliaceum</i> (millet), Poaceae (grasses), <i>Pennisetum glaucum</i> (pearl millet), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Sorghum</i> <i>bicolor</i> (sorghum, sorghum), <i>Triticum aestivum</i> (gandum, wheat), <i>Zea mays</i> (jagung, corn, maize)</p>	batang (stems), daun (leaves)	<p>Africa: Algeria, Cameroon, Chad, Egypt, Eritrea, Ethiopia, Kenya, Lesotho, Libya, Mali, Morocco, Niger, Nigeria, Somalia, Sudan, Togo, Tunisia Asia: China, India, Iran, Iraq, Israel, Jordan, Kyrgyzstan, Lebanon, Pakistan, Saudi Arabia, Sri Lanka, Syria, Tajikistan, Thailand, Turkey, Uzbekistan, Yemen Europe: Albania, Bulgaria, Bosnia and Herzegovina, Croatia, France, Greece, Italy, Montenegro, North Macedonia, Portugal, Russia, Slovenia, Spain,</p>

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					Serbia
209.	<i>Sirex noctilio</i> Fabricius; (Hymenoptera: Siricidae); woodwasp, steel blue, horntail, european woodwasp, sirex wasp, wood wasp, steel-blue	II	<i>Pinus banksiana</i> (jack pine), <i>Pinus canariensis</i> (Canary pine), <i>Pinus contorta</i> (lodgepole pine), <i>Pinus densiflora</i> (Japanese umbrella pine), <i>Pinus echinata</i> (shortleaves pine), <i>Pinus elliottii</i> (slash pine), <i>Pinus halepensis</i> (Aleppo pine), <i>Pinus jeffreyi</i> (Jeffrey pine), <i>Pinus nigra</i> (black pine), <i>Pinus palustris</i> (longleaves pine), <i>Pinus patula</i> (Mexican weeping pine), <i>Pinus pinaster</i> (maritime pine), <i>Pinus pinea</i> (stone pine), <i>Pinus ponderosa</i> (ponderosa pine), <i>Pinus radiata</i> (radiata pine), <i>Pinus taeda</i> (loblolly pine), <i>Abies</i> (firs), <i>Abies alba</i> (silver fir), <i>Larix</i> (larches), <i>Picea</i> (spruces), <i>Picea abies</i> (common spruce), <i>Pinus</i>	batang (stems (above ground), shoots, trunks, branches), kayu (woods)	Africa: Canary Islands, South Africa America: Canada, USA, Argentina, Brazil, Chile, Uruguay Asia: Georgia, Mongolia Europe: Austria, Belgium, Cyprus, Czech Republic and Slovakia, Denmark, Estonia, Finland, France, <b>Germany</b> , Greece, Hungary, Italy, Montenegro, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Spain, United Kingdom Oceania: Australia, New Zealand



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			<i>sylvestris</i> (Scots pine), <i>Pseudotsuga</i> (douglas-fir)		
210.	<i>Sitophilus granarius</i> Linnaeus, 1785; (Syn. <i>Calandra granaria</i> , <i>Calendra granaria</i> , <i>Curculio granarius</i> ); (Coleoptera: Dryophthoridae); grain weevil, maize weevil, granary weevil	II	<i>Arachys hypogaea</i> (kacang tanah, peanut), <i>Avena sativa</i> (oat, oats), <i>Cicer arietinum</i> (kacang arab, chickpea), <i>Helianthus annuus</i> (bunga matahari, sunflower), <i>Hordeum vulgare</i> (barli, barley), stored products (dried stored products), <i>Oryza sativa</i> (padi, paddy, rice), <i>Panicum</i> spp. (milet), <i>Pennisetum</i> spp. (feather grass), <i>Secale cereale</i> (rye), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Triticum aestivum</i> (gandum, wheat), <i>Triticale</i> spp., <i>Vicia faba</i> (faba or broad bean), <i>Zea mays</i> (jagung, corn, maize)	biji (true seed (inc. grain))	Africa: Algeria, Cameroon, Egypt, Morocco, South Africa, Swaziland America: Argentina, Canada, Chile, Mexico, USA Asia: Afghanistan, India, Iran, Iraq, Israel, Kazakhstan, Malaysia, Saudi Arabia, Sri Lanka, Syria, Thailand, Turkey, Yemen Europe: Austria, Belgium, Bosnia and Herzegovina, Croatia, Czech Republic, Denmark, France, <b>Germany</b> , Greece, Hungary, Ireland, Italy, Lithuania, Poland, Romania, Russian

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
					Federation, Serbia, Slovenia, Spain, Sweden, Ukraine, United Kingdom Oceania: Australia
211.	<i>Sophronica ventralis</i> Aurivillius, 1925; (Coleoptera: Scolytidae); berry borer	II	<i>Coffea</i> spp. (kopi, coffee)	batang (stems), daun (leaves), biji (true seeds (inc. grain), buah (fruits)	Africa: Kenya, Uganda America: Argentina, Bolivia, Brazil, Colombia, Chile, Dominican Republic, Ecuador, French Guiana, Paraguay, Peru, Uruguay Venezuela
212.	<i>Stenoma decora</i> Zeller; (Syn. <i>Acryptorhynchus mangiferae</i> , <i>Cryptorhynchus mangiferae</i> , <i>Curculio</i> <i>mangiferae</i> , <i>Sternochetus ineffectus</i> ); (= <i>Cryptolechia decora</i> Zeller); (Lepidoptera: Oecophoridae); cacao fruit and shoot borer, shoot and pod borer	II	<i>Ceiba pentandra</i> (kapuk randu, kapok), <i>Theobroma</i> <i>cacao</i> (kakao, cocoa)	daun (leaves), buah (fruits (inc. pods)	America: Brazil
213.	<i>Sternochetus mangiferae</i> (Fabricius, 1775); (Syn. <i>Acryptorhynchus mangiferae</i> (Fabricius), <i>Cryptorhynchus</i>	II	<i>Mangifera foetida</i> (bacang, bachang), <i>Mangifera indica</i> (mangga, mango)	batang (stems (above ground), shoots,	Africa: Central African Republic, Gabon, Ghana, Guinea, Kenya, Liberia, Madagascar, Malawi,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	<p><i>mangiferae</i> (Fabricius), <i>Curculio mangiferae</i>, <i>Sternochetus ineffectus</i> (Walker) (Coleoptera: Curculionidae); mango seed weevil</p>			<p>trunks, branches), bibit (seedlings, micropropagated plants), biji (true seeds (inc. grain), buah (fruits (inc. pods), kulit kayu (bark), media tanam (growing media associated with plants)</p>	<p>Mauritius, Mozambique, Reunion, Seychelles, South Africa, Tanzania, Uganda, Zambia America: Barbados, British Virgin Islands, Chile, Dominica, French Guiana, Grenada, Guadeloupe, Martinique, Montserrat, Saint Lucia, Saint Vincent and The Grenadines, Trinidad and Tobago, United States Virgin Islands, USA Asia: Bangladesh, British Indian Ocean territory, India, Myanmar, Nepal, Oman, Sri Lanka, Yemen Oceania: Australia, French Polynesia, Guam, New Caledonia, Northern Mariana Islands, Tonga, Wallis and Futuna Islands</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
214.	<i>Stromatium barbatum</i> (Fabricius); (Coleoptera: Cerambycidae); drywood longicorn beetle	II	Citrus, Eucalyptus, Oak, Pines	batang (stems, shoots, trunks, branches), kayu (woods)	Africa: Madagascar, Mauritius, Tanzania Asia: India, , Myanmar, Nepal, Pakistan, Sri Lanka,
215.	<i>Tagosodes cubanus</i> D.L. Crawford; (Syn. <i>Chloriona cubana</i> , <i>Dicranotropis cubanus</i> , <i>Sogata cubana</i> D.L. Crawford, <i>Sogatella cubana</i> , <i>Sogatodes cubanus</i> D.L. Crawford); (Hemiptera: Delphacidae); paddy plant hopper	II	<i>Cicer aeritinum</i> , <i>Cocos nucifera</i> (kelapa, coconut), <i>Lens esculenta</i> (lentils), <i>Glycine max</i> (kedelai, soyabean), <i>Oryza sativa</i> (padi, paddy, rice), <i>Vigna</i> spp. (buncis, cowpea), <i>Vigna radiata</i> (kacang hijau, mungbean)	batang (stems, trunks, shoots, branches), pelepah (midrib), daun (leaves)	Africa: Ivory Coast America: Colombia, Cuba, Guyana, Mexico, Puerto Rico, Suriname, Trinidad and Tobago, USA, Venezuela
216.	<i>Tagosodes orizicolus</i> Muir; (Syn. <i>Chloriona orizicola</i> , <i>Sogata brazilensis</i> Muir, <i>Sogata orizicola</i> Muir, <i>Sogatodes brazilensis</i> (Muir), <i>Sogatodes orizicola</i> (Muir), <i>Sogatodes orizicolus</i> , <i>Sogatodes orizicolus</i> Muir, <i>Sogatodes oryzicola</i> (Muir), <i>Tagosodes brazilensis</i> ); (Hemiptera: Delphacidae); rice delphacid, rice leaveshopper	II	<i>Oryza sativa</i> (padi, paddy, rice)	batang (stems), daun (leaves), pelepah (midrib)	America: Argentina, Belize, Brazil, Colombia, Costa Rica, Cuba, Dominican Republic, El Salvador, Guatemala, Guyana, Mexico, Nicaragua, Panama, Peru, Puerto Rico, Suriname, Trinidad and Tobago, USA, Venezuela

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
217.	<i>Thaumatotibia leucotreta</i> Meyrick; (Syn. <i>Cryptohlebia leucotreta</i> Meyrick, <i>Cryptophlebia roerigii</i> Zacher, <i>Olethreutes leucotreta</i> Meyrick, <i>Thaumatotibia roerigii</i> Zacher); (Lepidoptera: Tortricidae); false codling moth, <i>Citrus</i> codling moth, orange codling moth	II	<i>Abelmoschus moschatus</i> (okra, lady's finger), <i>Abutilon</i> <i>hybridum</i> , <i>Ananas comosus</i> (nanas, pineapple), <i>Annona</i> <i>muricata</i> (sirsak, soursop), <i>Averrhoa carambola</i> (belimbing, carambola, star- fruit), <i>Camellia sinensis</i> (teh, tea), <i>Capsicum annuum</i> (cabai besar, paprika, bell-pepper), <i>Ceiba pentandra</i> (kapuk randu, kapok), <i>Citrus</i> spp. (jeruk, orange), <i>Coffea</i> spp. (kopi, coffee), <i>Coffea arabica</i> (kopi arabika, arabica coffee), <i>Dimocarpus litchii</i> (leci, lychee), <i>Gossypium</i> (kapas, cotton), <i>Litchi chinensis</i> (leci, lichi), <i>Macadamia ternifolia</i> , <i>Mangifera indica</i> (mangga, mango), <i>Olea europea subsp.</i> <i>Europea</i> (zaitum, olive), <i>Persea</i> <i>americana</i> (avokad, avocado), <i>Prunus persica</i> (persik, peach),	buah (fruits), bunga (flowers, inflorescence s, cones, calyx)	Africa: Angola, Benin, Burkina Faso, Burundi, Cameroon, Cape Verde, Central Africa, Chad, DR Congo, Eritrea, Ethiopia, Gambia, Ghana, Ivory Coast, Kenya, Madagascar, Malawi, Mali, Mauritius, Mozambique, Niger, Nigeria, Reunion, Rwanda, Saint Helena, Senegal, Sierra Leone, Somalia, South Africa, Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe Asia: Israel

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			<i>Psidium guajava</i> (jambu biji, guava), <i>Punica granatum</i> (delima, pomegranate), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Zea mays</i> (jagung, corn, maize)		
218.	<i>Toxotrypana curvicauda</i> Gerstaecker; (Syn. <i>Mikimyia furcifera</i> Bigot, <i>Toxotrypana fairbatesi</i> Munro); (Diptera: Tephritidae), papaya fruit fly	II	<i>Carica papaya</i> (pepaya, papaya)	buah (fruits), media tanam (growing media associated with plant), tanah (soil)	America: Bahamas, Belize, Colombia, Costa Rica, Cuba, Dominican Republic, El Salvador, Guatemala, Haiti, Honduras, Mexico, Netherlands Antilles, Nicaragua, Panama, Puerto Rico, Saint Kitts and Nevis, Trinidad and Tobago, USA, Virgin Islands, Venezuela.
219.	<i>Trichispa sericea</i> (Guerin-Meneville); (Coleoptera: Chrysomelidae); rice hispids	II	<i>Oryza sativa</i> (padi, paddy, rice)	batang (stems), daun (leaves)	Africa: Angola, Burundi, Cameroon, Congo, Ethiopia, Kenya, Madagascar, Mali, Nigeria, Rwanda, Senegal, South Africa,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
					Sudan, Swaziland, Tanzania, Togo, Uganda Europe: Spain
220.	<i>Trogoderma granarium</i> Everts, 1898; (Syn. <i>Trogoderma affrum</i> Priesner, 1951, <i>Trogoderma khapra</i> Arrow, 1917, <i>Trogoderma koningsbergeri</i> , 1933, <i>Trogoderma granarium</i> ssp. <i>afrum</i> Attia and Kamel, 1965); (Coleoptera: Dermestidae); kumbang kaphra/khapra beetle	II	<i>Arachys hypogaea</i> (kacang tanah, peanut), <i>Cicer arietinum</i> (kacang arab, chickpea), <i>Gossypium hirsutum</i> (kapas, cotton), <i>Helianthus annuus</i> (bunga matahari, sunflower), <i>Hordeum vulgare</i> (barli, barley), <i>Oryza sativa</i> (padi, paddy, rice), <i>Panicum miliaceum</i> (millet), <i>Pennisetum glaucum</i> (pearl millet), <i>Sesamum indicum</i> (wijen, sesame), <i>Sorghum bicolor</i> (sorgum, sorghum), stored products (dried stored products), <i>Triticum aestivum</i> (gandum, wheat), <i>Vicia faba</i> (faba bean), <i>Vigna unguiculata</i> (cowpea), <i>Zea mays</i> (jagung, corn, maize) dan serealia	biji (true seed (inc. grain)), karung goni/alat pembungkus bekas komoditi, makanan ternak	Africa: Algeria, Burkina Faso, Egypt, Libya, Mali, Mauritania, Morocco, Niger, Nigeria, Senegal, Somalia, Sudan, Tanzania, Tunisia, Zambia, Zimbabwe Asia: Afghanistan, Bangladesh, Georgia, India, Iran, Iraq, Israel, Kazakhstan, Kyrgyzstan, Lebanon, Myanmar, Pakistan, Republic of Korea (South Korea), Saudi Arabia, Sri Lanka, Syria, Tajikistan, Turkey, Turkmenistan, Uzbekistan, Yemen. Europe: Armenia, Azerbaijan, Belarus, Cyprus, Estonia,

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			lainnya		Lithuania, Latvia, Moldova, Spain, Switzerland, Ukraine
221.	<i>Tryphocaria mastersi</i> Pascoe; (Coleoptera: Cerambycidae); Eucalypt ring barber	II	<i>Acacia</i> spp.	batang (stems, trunks, shoots, branches), kayu (woods), kulit kayu (bark)	Oceania: Australia
222.	<i>Undulambia polystichalis</i> (Capps, 1965); (Lepidoptera: Crambidae); Leatherleaves fern borer moth	II	Leather Leaves Fern, <i>Rumohra adiantiformis</i> , <i>Polypodium scouleri</i> , <i>Pyrrrosia eleagnifolia</i>	rimpang (rhizomes)	America: USA
223.	<i>Xestobium rufovillosum</i> (De Geer, 1744); (Coleoptera: Anobiidae); death watch beetle	II	<i>Quercus</i> (oak), <i>Castanea</i> (chestnut), other hardwood	batang (stems, trunks, shoots, branches), kayu (woods)	America: Canada, Mexico, USA Europe: Albania, Andorra, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic,



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
					Denmark, Estonia, Finland, France, <b>Germany</b> , Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxemburg, Malta, Moldova, Monaco, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, San Marino, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia
224.	<i>Xyleborus affinis</i> Eichhoff; (Syn. <i>Xyleborus mascarensis</i> Eichhoff, <i>Xyleborus sacchari</i> Hopkins); (Coleoptera: Scolytidae); shot-hole borer of sugarcane,	II	<i>Juglans nigra</i> (black walnut), <i>Macadamia integrifolia</i> (macadamia nut), <i>Pinus</i> (pines), <i>Saccharum officinarum</i> (tebu, sugarcane)	batang (stems, trunks, shoots, branches), kayu (woods),	America: Brazil, Cuba, Jamaica, Mexico, USA Europe: Italy

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/ HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	ambrosia beetle of oak			kulit kayu (bark)	
225.	<i>Xyleborus ferrugineus</i> Fabricius; (Syn. <i>Xyleborus confusus</i> Eichhoff, <i>Xyleborus fuscatus</i> Eichhorn); (Coleoptera: Scolytidae); black twig borer, bark beetle	II	<i>Dioscorea</i> spp. (gembili, yam), <i>Euterpe edulis</i> (assai palm), <i>Persea americana</i> (avokad, avocado), <i>Pinus elliottii</i> (slash pine), <i>Pinus taeda</i> (loblolly pine)	batang (stems, trunks, shoots, branches), kayu (woods), kulit kayu (bark)	Africa: Angola, Benin, Botswana, Burundi, Cameroon, Cape Verde, DR Congo, Equatorial Guinea, Ethiopia, Gabon, Ghana, Guinea, Ivory Coast, Kenya, Liberia, Madagascar, Mali, Mozambique, Namibia, Nigeria, Reunion, Rwanda, Sao Tome and Principe, Senegal, Sierra Leon, Somalia, South Africa, Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe. America: Argentina, Barbados, Belize, Bolivia, Brazil, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, French Guiana,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
					<p>Grenada, Guadeloupe, Guatemala, Guyana, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Puerto Rico, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, Uruguay, USA, Venezuela</p> <p>Asia: Malaysia, Republic of Korea (South Korea)</p> <p>Oceania: American Samoa, Fiji, Federated States of Micronesia, French Polynesia, Kiribati, Northern Mariana Island, Papua New Guinea, Samoa, Solomon Islands</p>
226.	<p><i>Xyleborinus saxesenii</i> (Ratzeburg); (Syn. <i>Botrichus saxesenii</i> Ratzeburg, <i>Tomicus decolor</i> Boieldieu, <i>Tomicus dohrni</i> Wollaston, <i>Xyleborinus</i></p>	II	<i>Eucalyptus</i> spp.	bibit tanaman (seedlings), batang	Africa: Algeria, Cameroon, Egypt, Morocco, South Africa, Spain, Tunisia

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	<p><i>librocedri</i> Swaine, <i>Xyleborinus tsugae</i> Sawine, <i>Xyleborus aesculi</i> Ferrari, <i>Xyleborus angustatus</i> Eichhoff, <i>Xyleborus arbuti</i> Hopkins, <i>Xyleborus floridensis</i> Hopkins, <i>Xyleborus frigidus</i> Blackburn, <i>Xyleborus paraguayensis</i> Schedl, <i>Xyleborus pecanus</i> Hopkins, <i>Xyleborus peregrinus</i> Eggers, <i>Xyleborus pseudoangustatus</i> Schedl, <i>Xyleborus pseudogracilis</i> schedl, <i>Xyleborus quercus</i> Hopkins, <i>Xyleborus retrusus</i> Schedl, <i>Xyleborus saxesenii</i> (Ratzeburg), <i>Xyleborus sobrinus</i> Eichnoff, <i>Xyleborus subdepressus</i> Rey, <i>Xyleborus subspinosus</i> Eggers); (Coleoptera: Scolytidae); fruit tree pinhole borer</p>			(trunks, shoots, branches), kayu (woods), kulit kayu (bark), buah (fruits)	<p>America: Argentina, Bermuda, Brazil, Canada, Chile, Ecuador, Mexico, Paraguay, USA Asia: China, DPR Korea (North Korea), India, Iran, Israel, Japan, Mongolia, Philippines, Republic of Korea (South Korea), Syria, Taiwan, Tajikistan, Turkey, Vietnam Europe: Albania, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, France, <b>Germany</b>, Greece, Hungary, Italy, Luxemburg, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal,</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
					Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom Oceania: Australia, New Zealand, Papua New Guinea
227.	<i>Zonocerus elegans</i> (Thunberg); (Syn. <i>Acrydium sanguinolentum</i> De Geer, 1773, <i>Gryllus elegans</i> Thunberg, 1815, <i>Poecilocerus roseipennis</i> Serville, 1831); (Orthoptera: Pyrgomorphidae); elegants grasshopper	II	<i>Allium ascalonicum</i> (bawang merah, shallot), <i>Allium cepa</i> (bawang bombay, onion), <i>Amaranthus hybridus</i> (bayam, spinach), <i>Amaranthus</i> (grain amaranth), <i>Ananas comosus</i> (nanas, pineapple), <i>Anacardium occidentale</i> (jambu mete, cashew-nut), Brassicaceae (cruciferous crops), <i>Citrus</i> spp. (jeruk, orange), <i>Citrus aurantiifolia</i> (jeruk nipis, lime), <i>Citrus limon</i> (lemon, lemon), <i>Citrus reticulata</i> (mandarin, mandarin), <i>Citrus sinensis</i>	seluruh bagian tanaman (whole plant), tanah (soil)	Africa: Angola, Botswana, Congo, DR Congo, Lesotho, Madagascar, Malawi, Mozambique, Namibia, Rwanda, South Africa, Swaziland, Tanzania, Uganda, Zambia, Zimbabwe

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			(navel orange), <i>Coffea</i> spp. (kopi, coffee), <i>Colocasia esculenta</i> (talas, taro), Cucurbitaceae (cucurbits), <i>Chromolaena odorata</i> (siam weed), <i>Daucus carota</i> (wortel, carrot), <i>Dioscorea</i> sp. (gembili, yam), <i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Musa</i> spp. (pisang, banana), <i>Plumeria</i> spp. (frangipani), <i>Manihot esculenta</i> (ubi kayu, cassava), <i>Nicotiana tabacum</i> (tembakau, tobacco), Solanaceae, <i>Helianthus annuus</i> (bunga matahari, sunflower), <i>Persea americana</i> (avokad, avocado)		
228.	<i>Zonocerus variegatus</i> (Linnaeus, 1758); (Syn. <i>Acrydium sanguinolentum</i> , <i>Gryllus (Locusta) variegatus</i> , <i>Gryllus laevis</i> , <i>Gryllus opacus</i> ); (Orthoptera: Acrididae); variegated grasshopper	II	<i>Allium cepa</i> (bawang bombay, onion), <i>Allium ascalonicum</i> (bawang merah, shallot), <i>Amaranthus</i> (grain amaranth), <i>Amaranthus hybridus</i> (bayam, spinach), <i>Anacardium occidentale</i> (jambu mete,	seluruh bagian tanaman (whole plant), tanah (soil)	Africa: Angola, Benin, Burkina Faso, Cameroon, Central African Republic, Chad, Congo, DR Congo, Gabon, Gambia, Ghana, Guinea-Bissau, Guinea, Ivory Coast, Kenya,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			cashewnut), <i>Ananas comosus</i> (nanas, pineapple), Brassicaceae (cruciferous crops), <i>Cannabis sativa</i> (hemp), <i>Capsicum annuum</i> (cabai, paprika, hot pepper, chilies, red pepper), <i>Citrus</i> spp. (jeruk, orange), <i>Citrus aurantiifolia</i> (jeruk nipis, lime), <i>Citrus limon</i> (lemon, lemon), <i>Citrus reticulata</i> (mandarin, mandarin), <i>Citrus sinensis</i> (navel orange), <i>Coffea</i> spp. (kopi, coffee), <i>Colocasia esculenta</i> (talas, taro), Cucurbitaceae (cucurbits), <i>Chromolaena odorata</i> (siam weed), <i>Daucus carota</i> (wortel, carrot), <i>Dioscorea</i> sp. (gembili, yam), <i>Elaeis guineensis</i> (kelapa sawit, oil palm), <i>Gossypium barbadens</i> (kapas, cotton), <i>Helianthus annuus</i> (bunga matahari, sunflower),		Liberia, Malawi, Mali, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, Togo

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Mangifera indica</i> (mangga, mango), <i>Musa</i> spp. (pisang, banana), <i>Manihot esculenta</i> (ubi kayu, cassava), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Persea americana</i> (avokad, avocado), Poaceae, Piper, Plumeria (frangipani) Solanaceae, <i>Tectona grandis</i> (jati, teakwood)		
229.	<i>Zygogramma exclamationis</i> (Fabricius, 1798); (Syn. <i>Calligrapha exclamationis</i> , <i>Chrysomela exclamationis</i> , <i>Zygospila exclamationis</i> ); (Coleoptera: Chrysomelidae); sunflower beetle	II	<i>Helianthus annuus</i> (bunga matahari, sunflower)	batang (stems, shoots, branches), daun (leaves), tanah (soil), bunga (flowers, inflorescences, cones, calyx)	America: Canada, USA



2. TUNGAU (*MITES*)

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM ( <i>SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	INANG/ <i>HOST</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
1.	<i>Aceria cajani</i> Channabasavanna, 1966; (Acari: Eriophyidae); pigeonpea mite	II	<i>Cajanus cajan</i> (kacang gude, pigeon pea), <i>Cajanus cajanifolius</i> , <i>Cajanus platycarpus</i> , <i>Cajanus scarabaeoides</i> (kacang gude, peanut grass), <i>Cajanus sericeus</i>	daun (leaves)	Asia: Bangladesh, China, India, Myanmar, Nepal, Sri Lanka, Thailand
2.	<i>Aceria ficus</i> (Cotte); (Syn. <i>Aceria fici</i> , <i>Eriophyes fici</i> , <i>E. ficus</i> ); (Acari: Eriophyidae); fig blister mite, fig mite, fig rust mite	II	<i>Ficus carica</i> (ara, fig)	daun (leaves)  vektor <i>Fig mosaic virus</i> (FMV)	Asia: India, Japan Africa: Algeria, Angola, Benin, Botswana, Burkina Faso, Burundi, Cape Verde, Cameroon, Central African Republic, Chad, Comoros, Congo, DR Congo, Djibouti, Egypt, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Kenya, Lesotho, Liberia, Libya, Madagascar, Malawi,

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					Mali, Mauritania, Mauritius, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda, São Tomé and Príncipe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Swaziland, Tanzania, Togo, Tunisia, Uganda, Zambia, Zimbabwe America: Canada, Mexico, USA Europe: Albania, Andorra, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland,

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					Ireland, Italy, Latvia, Lithuania, Luxemburg, Malta, Moldova, Monaco, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, San Marino, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom
3.	<i>Aceria guerreronis</i> Keifer; (Syn. <i>Eriophyes guerreronis</i> Keifer); (Acari: Eriophyidae); coconut mite	II	<i>Borassus flabellifer</i> (lontar, toddy palm), <i>Cocos nucifera</i> (kelapa, coconut), <i>Lytocaryum weddellianum</i> , <i>Sygarus romanzoffiana</i> (queen palm)	buah (fruits), kelopak buah	Africa: Benin, Cameroon, Ivory Coast, Gambia, Mozambique, Nigeria, Sao Tome and Principe, Tanzania, Togo America: Anguilla, Bahamas, Belize, Brazil, Colombia, Costa Rica, Cuba, Dominica, Grenada, Guadeloupe, Haiti, Jamaica, Martinique, Mexico,

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					Puerto Rico, Saint Lucia, Saint Vincent and the Grenadines, Trinidad and Tobago, USA, Venezuela Asia: India, Malaysia, Maldives, Oman, Philippines, Sri Lanka Europe: Hungary, Poland Oceania: Australia
4.	<i>Aculops lycopersici</i> (Tryon, 1917); (Syn. <i>Aceria lycopersici</i> , <i>Aculops destructor</i> , <i>Aculops lycopersicae</i> , <i>Aculus destructor</i> (Keifer, 1940), <i>Aculus lycopersici</i> (Tryon, 1917), <i>Eriophyes lycopersici</i> , <i>Phyllocoptes destructor</i> Keifer, 1940, <i>Phyllocoptes lycopersici</i> Tryon, 1917, <i>Vasates destructor</i> (Keifer, 1940), <i>Vasates lycopersici</i> (Tryon, 1917)); (Acari: Eriophyidae); tomato russet mite, tomato mite	II	<i>Capsicum annuum</i> (cabai besar, paprika, bell-pepper), <i>Browallia americana</i> , <i>Convolvulus</i> , <i>Datura</i> spp., <i>Petunia hybrida</i> , <i>Physalis peruviana</i> , <i>Solanum</i> spp., <i>Convolvulus arvensis</i> , <i>Physalis minima</i> , <i>Solanum lycopersicum</i> (tomat, tomato), <i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Solanum melongena</i> (terung, aubergine, eggplant), <i>Solanum tuberosum</i> (kentang,	buah (fruits), daun (leaves), tanaman (whole plant)	Africa: Angola, Egypt, Ethiopia, Kenya, Libya, Mauritius, Morocco, Mozambique, Senegal, South Africa, Tunisia, Zambia, Zimbabwe America: Antigua and Barbuda, Argentina, Bermuda, Brazil, Canada, Chile Cuba, Curaçao, French Guiana, El Salvador, Grenada, Guadeloupe, Martinique, Mexico, Montserrat, Netherlands Antilles,

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			potato)		Trinidad and Tobago, Uruguay, USA, Venezuela Asia: China, Georgia, Iran, Iraq, Israel, Jordan, Lebanon, Republic of Korea (South Korea), Saudi Arabia, Sri Lanka, Syria, Turkey, Uzbekistan, Yemen Europe: Armenia, Azerbaijan, Bulgaria, Croatia, Cyprus, Czech Republic, France, Greece, Italy, Malta, Moldova, Netherlands, Portugal, Russia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia, Fiji, New Caledonia, New Zealand, Vanuatu
5.	<i>Aculops pelekassi</i> (Keifer); (Syn. <i>Aculus pelekassi</i> Keifer); (Acari: Eriophyidae);	II	<i>Citrus</i> spp. (jeruk, orange)	buah (fruits), daun (leaves), tanaman	America: Brazil, USA Asia: Republic of Korea (South Korea), Taiwan,

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	Japanese citrus rust mite, pink citrus rust mite			(whole plant)	Thailand Europe: Bosnia and Herzegovina, Croatia, Italy, Montenegro, North Macedonia, Serbia, Slovenia
6.	<i>Aculus schlechtendali</i> (Nalepa, 1890); (Syn. <i>Aculus malivagrans</i> (Keifer, <i>Phyllocoptes schlechtendali</i> Nalepa, <i>Vasates malivagrans</i> Keifer, <i>Vasates schlechtendali</i> (Nalepa)); (Acari: Eriophyidae); apple rust mite, apple bud mite, apple leaf mite, rusty leaf mite	II	<i>Malus domestica</i> (apel, apple), <i>Pyrus communis</i> (pir, pear), <i>Malus sylvestris</i> (crab-apple tree)	daun (leaves), bagian tanaman di atas tanah	Africa: Egypt, South Africa America: Argentina, Brazil, Canada, Chile, USA, Asia: China, India, Japan, Lebanon, Pakistan, Republic of Korea (South Korea), Turkey Europe: Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Denmark, Finland, France, <b>Germany</b> , Hungary, Italy, Montenegro, Netherlands, North Macedonia,

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					Norway, Poland, Portugal, Russia, Serbia, Slovenia, Swedia, Switzerland, Ukraina, United Kingdom Oceania: Australia, New Zealand
7.	<i>Bryobia rubrioculus</i> (Scheuten); (Syn. <i>Bryobia arborea</i> , <i>Bryobia redikorzevi</i> ); (Acari: Tetranychidae); brown apple mite, brown mite; brown, bryobia mite, pear bryobia mites	II	<i>Arachis hypogaea</i> (kacang tanah, groundnut, peanut), <i>Gossypium barbadens</i> (kapas, cotton), <i>Prunus salicina</i> , <i>Malus domestica</i> (apel, apple), <i>Prunus avium</i> (ceri manis, sweet cherry), <i>Prunus domestica</i> (prem, plum), <i>Prunus dulcis</i> (badam, almond), <i>Prunus persica</i> (persik, peach), <i>Prunus</i> spp., <i>Pyrus communis</i> (pir, pear), <i>Pyrus javonica</i> , <i>Ulmus</i> sp. (elm)	daun (leaves), kulit kayu (bark), cabang (branches), ranting (twigs), bagian tanaman di atas tanah	Africa: Mozambique, South Africa, Zimbabwe America: Argentina, Brazil, Canada, Chile, Mexico, USA, Uruguay Asia: Afghanistan, China, Georgia, India, Iran, Iraq, Japan, Kazakhstan, Kyrgyzstan, Lebanon, Turkey, Uzbekistan Europe: Austria, Azerbaijan, Belgium, Bulgaria, France, <b>Germany</b> , Greece, Hungary, Italy, Latvia, Lithuania, Moldova, Netherlands, Poland, Portugal, Romania,

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					Russian Federation, Spain, Switzerland, United Kingdom, Ukraina Oceania: Australia, New Zealand
8.	<i>Eotetranychus willamettei</i> (McGregor); (Syn. <i>Tetranychus willamettei</i> , <i>Tetranychus willametti</i> ); (Acari: Tetranychidae); willamette mite	II	<i>Acer negundo</i> , <i>Amelanchier</i> sp., <i>Eriogonum jamesi</i> , <i>Malus</i> <i>domestica</i> (apel, apple), <i>Purshia tridentata</i> , <i>Pyrus</i> <i>communis</i> (pir, pear), <i>Sorbus</i> <i>domestica</i> , <i>Ulm</i> spp. (elm), <i>Vitis vinifera</i> (anggur, grapevine), <i>Quercus garryana</i> , <i>Quercus lobata</i>	daun (leaves), bagian tanaman di atas tanah	America: USA
9.	<i>Mononychellus tanajoa</i> Bondar: (Syn. <i>Mononychellus caribbeanae</i> , <i>Mononychus tanajoa</i> Fletchman & Baker, 1970, <i>Eotetranychus</i> <i>caribbeanae</i> , <i>Eotetranychus</i> <i>caribbeanus</i> , <i>Tetranychus tanajoa</i> Bondar); (Acari: Tetranychidae); cassava mite, cassava green mite	II	<i>Manihot esculenta</i> (ubi kayu, cassava), <i>Passiflora edulis</i> (markisa, passion fruit), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Solanum</i> <i>lycopersicum</i> (tomat, tomato), <i>Vigna sinensis</i> (kacang panjang, cowpea), <i>Zea mays</i> (jagung, corn, maize)	daun (leaves), bagian tanaman di atas tanah	Africa: Benin, Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, Congo, DR Congo Equatorial Guinea, Gabon, Guinea, Ivory Coast, Kenya, Liberia, Malawi, Mali, Mozambique, Niger,



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					Nigeria, Rwanda, Sierra Leone, Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe America: Antigua and Barbuda, Argentina, Bolivia, Brazil, Colombia, Dominican Republic, Ecuador, Falklands, Guyana, Mexico, Paraguay, Puerto Rico, Trinidad and Tobago, USA, Venezuela
10.	<i>Oligonychus peruvianus</i> (McGregor): (Syn. <i>Oligonychus (Homonychus) peruvianus</i> (McGregor), <i>Paratetranychus peruvianus</i> (McGregor), <i>Paratetranychus trinitatis</i> , <i>Tetranychus peruvianus</i> McGregor, <i>Tetranychus peruvensis</i> , <i>Tetranychus trinitatis</i> ); (Acari: Tetranychidae); cassava white spot spider mite	II	<i>Ceratonia siliqua</i> , <i>Citrus aurantium</i> , <i>Coffea arabica</i> (kopi, coffee), <i>Daucus carota</i> (wortel, carrot), <i>Gossypium</i> , <i>Manihot esculenta</i> (ubi kayu, cassava), <i>Oxalis</i> sp., <i>Persea americana</i> (avokad, avocado), <i>Trifolium repens</i> (semanggi putih, white clover), <i>Vitis</i> ,	daun (leaves), bagian tanaman di atas tanah	America: Brazil, Colombia, Ecuador, Guatemala, Mexico, Peru, Trinidad and Tobago, Venezuela

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11.	<i>Oligonychus yothersi</i> McGregor; (Acari: Tetranychidae); avocado red mite	II	<i>Coffea</i> spp. (kopi, coffee), <i>Coffea arabica</i> (kopi arabika, arabica coffee), <i>Mangifera indica</i> (mangga, mango), <i>Persea americana</i> (avokad, avocado)	daun (leaves), bagian tanaman di atas tanah	America: Chile, Costa Rica, Cuba, USA Asia: Iran
12.	<i>Panonychus ulmi</i> Koch; (Syn. <i>Metatetranychus mali</i> , <i>M. pilosus</i> (Canestrini & Fanzago), <i>M. ulmi</i> Koch, <i>Oligonychus ulmi</i> , <i>Paratetranychus pilosus</i> (Canestrini & Fanzago), <i>Paratetranychus pilosus occidentalis</i> , <i>Paratetranychus ulmi</i> , <i>Tetranychus pilosus</i> Canestrini et Fanzago, <i>Tetranychus ulmi</i> , <i>Tetranychus mytilaspidis</i> Ewing); (Acari: Tetranychidae); european red spider mite	II	<i>Arachis hypogaea</i> (kacang tanah, groundnut), <i>Cedrus</i> (cedars), Citrus, <i>Citrus deliciosa</i> (jeruk mediterranean mandarin), <i>Citrus reticulata</i> (jeruk mandarin), <i>Coffea</i> (kopi, coffee), <i>Corylus</i> , <i>Gossypium</i> (kapas, cotton), <i>Malus domestica</i> (apel, apple), <i>Morus alba</i> (murbei, mulberry), <i>Prunus avium</i> (sweet cherry), <i>Prunus dulcis</i> (badam, almond), <i>Pyrus communis</i> (pir, pear), <i>Prunus persica</i> (persik, peach), <i>Prunus domestica</i> (prem, plum), <i>Prunus cerasus</i> (kersen, sour	daun (leaves), bagian tanaman di atas tanah	Africa: Algeria, Egypt, Libya, Morocco, South Africa, Tunisia America: Argentina, Bermuda, Brazil, Canada, Chile, Costa Rica, USA, Uruguay, Venezuela Asia: Afghanistan, China, Georgia, India, Iran, Israel, Japan, Kyrgyzstan, Lebanon, Republic of Korea (South Korea), Syria, Taiwan, Tajikistan, Turkey, Uzbekistan Europe: Albania, Armenia, Austria,

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			cherry), <i>Vitis vinifera</i> (anggur, grapevine)		Azerbaijan, Belarus, Belgium, Bulgaria, Croatia, Czech Republic, Bosnia and Herzegovina, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Moldova, Montenegro, North Macedonia, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom, Ukraine Oceania: Australia, New Zealand
13.	<i>Penthaleus major</i> Dugès, 1834; (Syn. <i>Notophallus bicolor</i> Froggat, 1921, <i>N. dorsalis</i> Banks, 1902, <i>N. haemotopus</i> Canestrini, 1886, <i>N. insulanus</i> Tragardh, 1900, <i>Penthaleus</i>	II	<i>Avena sativa</i> (oat, oats), <i>Avena strigosa</i> (black oat), <i>Bouteloua gracilis</i> (blue grama), <i>Bromus secalinus</i> (rye brome), <i>Hordeum vulgare</i>	daun (leaves), titik tumbuh (growing point), bagian tanaman di	Africa: South Africa America: Argentina, Brazil, Canada, Mexico, USA Asia: China, Japan

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	<i>bicolor</i> Womersley, 1933, <i>Penthaleus erythropus</i> Koch, 1838, <i>P. insulanus</i> Thorell, 1872, <i>Rhyncholophus major</i> Murray, 1877, <i>Tetranychus borealis</i> Koch, 1879, <i>Tetranychus major</i> Dugès, 1834); (Acari: Penthaleidae); blue oat mite, winter grain mite		(barli, barley), <i>Lathyrus</i> , <i>Lolium</i> , <i>Lolium multiflorum</i> (italian ryegrass), <i>Poaceae</i> (grassess), <i>Secale cereale</i> (rye), <i>Triticum aestivum</i> (gandum, wheat)	atas tanah, titik tumbuh	Europe: France, <b>Germany</b> , Iceland, Italy, Netherlands, Norway, Portugal, Russian Federation, Spain, United Kingdom Oceania: Australia, New Zealand
14.	<i>Petrobia latens</i> (O.F. Müller 1776); (Syn. <i>Acarus latens</i> Müller, <i>Acarus petarum</i> Fourcroy, 1785, <i>Acarus praegnans</i> Schrank, 178, <i>Paratetranychus longipes</i> Banks, 1912, <i>Petrobia cepae</i> Sayed, 1946, <i>Petrobia lapidum</i> Oudemans, 1915, <i>Petrobia tritici</i> Ewing, 1921, <i>Tetranoia decepta</i> Banks, 1917, <i>Tetranychia tritici</i> Ewing, 1921, <i>Tetranychopsis paupera</i> Berlese, 1910, <i>Tetranychopsis simplex</i> Tragardh, 1904, <i>Tetranychus anauniensis</i> Canistrini, 1889, <i>Tetranychus longipes</i> Banks, 1912, <i>Trombidium lapidum</i> Hammer, 1804);	II	<i>Allium cepa</i> (bawang bombay, onion), <i>Allium sativum</i> (bawang putih, garlic), <i>Avena sterilis</i> (winter wild coat), Clover, <i>Coriandrum sativum</i> (ketumbar, corriander), <i>Cucumis melo</i> (melon, melon), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Cuminum cyminum</i> (jintan, cumin), <i>Daucus carota</i> (wortel, carrot), <i>Echinochloa crus-galli</i> (barnyard grass), <i>Fragaria ananassa</i> (stroberi, strawberry), <i>Gladiolus hybrids</i> (gladiol, sword lily),	daun (leaves), bunga (inflorescence s), bagian tanaman di atas tanah	Africa: Egypt, South Africa America: Canada, USA Asia: China, India, Republic of Korea (South Korea) Europe: Austria, Denmark, France, <b>Germany</b> , Italy, Netherlands, Poland, Spain, United Kingdom Oceania: Australia

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	(Acari: Tetranychidae); brown wheat mite		<i>Gossypium barbadens</i> (kapas, cotton), <i>Iris</i> , <i>Lactuca sativa</i> (selada, lettuce), <i>Hordeum vulgare</i> (barli, barley), <i>Malus domestica</i> (apel, apple), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Oryza sativa</i> (padi, paddy, rice), <i>Setaria viridis</i> (green foxtail), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Triticum aestivum</i> (gandum, wheat)		
15.	<i>Phyllocoptes vitis</i> Nalepa; (Syn. <i>Phyllocoptes viticolus</i> ); (Acari: Eriophyidae); grapevine rust mite, acarinosi of vine, vine rust mite	II	<i>Vitis vinifera</i> (anggur, grapevine)	daun (leaves)	Africa: South Africa Asia: India Europe: Austria, Czech Republic, Slovakia, <b>Germany</b> , Hungary, Italy, Portugal, Slovakia, Slovenia Oceania: Australia, New Zealand
16.	<i>Phytonemus pallidus</i> (Banks); (Syn. <i>Steneotarsonemus fragariae</i> (Zimmerman), <i>S. pallidus</i> (Banks),	II	<i>Achyranthes</i> (chaff flower), <i>Ageratum</i> , <i>Alchemilla</i> (Lady's mantle), <i>Amaranthus</i>	daun (leaves), bagian tanaman di	Africa: South Africa America: Brazil, Canada, Colombia, Costa Rica,

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	<p><i>Tarsonemus destructor</i> (Reuter, 1906), <i>Tarsonemus fragariae</i> Zimmerman, 1905, <i>Tarsonemus pallidus</i> Banks, 1899); (Acari: Tarsonemidae); strawberry mite, cyclamen mite</p>		<p><i>retroflexus</i> (redroot pigweed), <i>Ambrosia artemisiifolia</i> (common ragweed), <i>Antirrhinum majus</i> (snapdragon), <i>Aphelandra</i> (Zebra plant), <i>Aralia</i>, <i>Aster</i>, <i>Begonia</i>, <i>Begonia cucullata</i> var. <i>hookeri</i> (Perpetual begonia), <i>Capsicum annuum</i> (cabai besar, paprika, bell pepper), <i>Chrysanthemum</i>, <i>Chrysanthemum frutescens</i>, <i>Cissus</i>, <i>Consolida ambigua</i>, <i>Cyclamen persicum</i> (cyclamens), <i>Cissus</i> (grape), Dahlia, <i>Dianthus</i> (anyelir, carnation), <i>Echeveria</i>, <i>Exacum affine</i>, <i>Fragaria</i> (strawberry), <i>Fatsyhedera</i> (Ivy tree), <i>Fuchsia</i>, <i>Galinsoga</i> <i>parviflora</i> (gallant soldier), <i>Geranium</i> (cranesbill), <i>Gerbera jamesonii</i> (African daisy), <i>Hedera helix</i> (ivy),</p>	<p>atas tanah</p>	<p>Mexico, Peru, USA, Venezuela Asia: Japan, Philippines, Republic of Korea (South Korea), Taiwan, Turkey Europe: Austria, Belgium, Bulgaria, Denmark, Finland, France, <b>Germany</b>, Greece, Hungary, Italy, Lithuania, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Sweden, Switzerland, United Kingdom, Ukraine Oceania: Australia</p>

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			<p>Hoya, <i>Impatiens walleriana</i> (pacar air, balsam), <i>Iresine</i> (blood-leaf), <i>Jasminum sambac</i> (arabian jasmine), <i>Kalanchoe</i>, <i>Lantana camara</i> (lantana), <i>Lathyrus odoratus</i> (sweet pea), <i>Lobelia erinus</i> (dwarf blue lobelia), <i>Myosotis</i> (forget-me-nots), <i>Nasturtium officinale</i> (watercress), <i>Nertera</i>, <i>Oxalis</i> (wood sorrels), <i>Parthenocissus tricuspidata</i> (Boston ivy), <i>Pelargonium</i> (pelargonium), <i>Pelargonium peltatum</i> hybrids (ivy-leaved pelargonium), <i>Petunia</i>, <i>Petunia hybrida</i>, <i>Pilea</i>, <i>Plantago</i> (plantain), <i>Portulaca oleracea</i> var. <i>sativa</i>, <i>Rhododendron simsii</i>, <i>Rubus</i> (blackberry, raspberry), <i>Rumex acetosella</i> (field sorrel), <i>Saintpaulia ionantha</i> (African violet), <i>Saxifraga</i> (saxifrage),</p>		

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			<i>Sinningia speciosa</i> (gloxinia), <i>Urtica dioica</i> (stinging nettle), <i>Vaccinium</i> (blueberries), <i>Verbena</i> (vervain), <i>Veronica peregrina</i> (Wandering speedwell)		
17.	<i>Retracrus elaeis</i> Keifer; (Acari: Phytoptidae); oil palm mite	II	<i>Bactris gasipaes</i> , <i>Chamaedorea costaricana</i> , <i>Cocos nucifera</i> (kelapa, coconut), <i>Elaeis guineensis</i> (kelapa sawit, oil palm)	daun (leaves), biji (seeds)	America: Brazil, Costa Rica, Colombia, Central America
18.	<i>Rhizoglyphus echinopus</i> Fumouze & Robin; (Syn. <i>Coepophagus echinopus</i> , <i>Rhizoglyphus hyacinthi</i> , <i>Rhizoglyphus</i> <i>spinitarsus</i> , <i>Tyroglyphus echincopus</i> ); (Acari: Acaridae); bulb mite	II	<i>Allium cepa</i> (bawang bombay, onion), <i>Allium sativum</i> (bawang putih, garlic), <i>Allium</i> <i>bakeri</i> , <i>Allium cepa</i> var. <i>bulbiferum</i> , <i>Amaryllis</i> sp., <i>Capsicum</i> sp., <i>Curcuma</i> <i>domestica</i> , <i>Freesia</i> sp., <i>Gladiolus</i> sp., <i>Hyacinthus</i> sp., <i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Iris</i> , <i>Lachenalia</i> <i>pendula</i> (on roots), <i>Lilium</i> sp., <i>Lolium longiflorum</i> , <i>Narcissus</i> sp., <i>Oryza sativa</i> (padi,	seluruh bagian tanaman (whole plant)	Africa: Algeria, Egypt America: Argentina, Canada, USA Asia: Georgia, India, Iran, Irak, Japan, Korea, Kazakhstan, Kyrgyzstan, Taiwan, Tajikistan, Turkmenistan, Uzbekistan Europe: Armenia, Azerbaijan, Belarus, France, Latvia, Lithuania, Estonia, Hungary,



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			paddy, rice), <i>Palaeopsylla minor ex Talpa</i> , <i>Palaeopsylla minor</i> , <i>Paeonia</i> sp., <i>Panax ginseng</i> (asiatic ginseng), <i>Pinellia ternate</i> , <i>Sandersonia aurantica</i> , <i>Sinningia</i> (gloxinia), stored wheat, <i>Solanum</i> sp., <i>Tulipa</i> , <i>Zea mays</i> (jagung, maize, corn)		Moldova, Netherlands, Romania, Russian Federation, Spain, Ukraina, United Kingdom Oceania: Australia, Fiji, New Zealand
19.	<i>Steneotarsonemus laticeps</i> (Halbert); (Syn. <i>Tarsonemus approximatus</i> , <i>Tarsonemus approximatus narcissi</i> , <i>Tarsonemus hydrocephalus</i> , <i>Tarsonemus laticeps</i> ); (Acari: Tarsonemidae); bulb scale mite	II	<i>Cyrtanthus</i> spp. (fire lily), <i>Eucharis</i> spp. (Amazon lily, eucharist lily), <i>Hippeastrum</i> spp. (amarilis, amaryllis), <i>Narcissus</i> (daffodil), <i>Sprekelia</i> spp. (Jaco bean lily)	seluruh bagian tanaman	Europe: Netherlands, Poland, Slovakia, United Kingdom
20.	<i>Tarsonemus myceliophagus</i> Hussey; (Acari: Tarsonemidae)	II	Mushroom	tubuh jamur	America: USA Europe: <b>Germany</b> , Netherlands, United Kingdom, Oceania: Australia, New Zealand
21.	<i>Tetranychus pacificus</i> McGregor; (Acari: Tetranychidae);	II	<i>Asclepias</i> (Silkweed), <i>Begonia cucullata var. hookeri</i>	bagian tanaman di	America: Canada, Mexico, USA

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	Pacific mite, Pacific spider mite		(Perpetual begonia), <i>Capsicum annuum</i> (cabai besar, paprika, bell pepper), <i>Ceanothus</i> (white-thorn), <i>Chenopodium album</i> (fat hen), <i>Cotoneaster</i> , <i>Chrysanthemum</i> (daisy), <i>Chrysanthemum frutescens</i> (marguerite), <i>Citrullus lanatus</i> (semangka, watermelon), <i>Consolida ambigua</i> (rocket larkspur), <i>Cucumis melo</i> (melon, melon), <i>Cyclamen persicum</i> (cyclamens), <i>Ficus carica</i> (ara, fig), <i>Fragaria</i> (strawberry), <i>Glycine max</i> (kedelai, soyabean), <i>Gossypium barbadens</i> (kapas, cotton), <i>Gossypium hirsutum</i> (Bourbon cotton), <i>Helianthus annuus</i> (bunga matahari, sunflower), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Melia azedarach</i> (Chinaberry),	atas tanah	Asia: Japan

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			Morning glory, <i>Prunus</i> , <i>Phaseolus vulgaris</i> (common bean), <i>Prunus</i> (stone fruit), <i>Prunus salicina</i> (Japanese plum), <i>Rosa</i> (roses), <i>Rubus</i> (blackberry, raspberry), <i>Rhododendron simsii</i> (Sim's azalea), <i>Ribes</i> (currants), <i>Robinia pseudoacacia</i> (black locust), <i>Swietenia</i> (mahogany), <i>Salvia</i> sp. (sage), <i>Ulmus</i> sp. (elms), <i>Vicia</i> (vetch. Begonia), <i>Vitis vinifera</i> (anggur, grapevine), <i>Zea mays</i> (jagung, maize, corn)		
22.	<i>Tetranychus schoenei</i> McGregor; (Syn. <i>Septanychus schoenei</i> McGregor); (Acari: Tetranychidae); schoene mite	II	<i>Gossypium barbadens</i> (kapas, cotton), <i>Malus domestica</i> (apel, apple), <i>Prunus domestica</i> (plum), <i>Pyrus communis</i> (pir, pear), <i>Vitis vinifera</i> (anggur, grapevine)	bagian tanaman di atas tanah	America: USA Europe: Albania, Andorra, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
					Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxemburg, Malta, Moldova, Monaco, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, San Marino, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom
23.	<i>Tyrophagus putrescentiae</i> Schrank; (Syn. <i>Acarus putrescentiae</i> , <i>Tyroglyphus americanus</i> , <i>Tyroglyphus castellanii</i> , <i>Tyroglyphus lintneri</i> , <i>Tyroglyphus muscae</i> , <i>Tyroglyphus nadinus</i> , <i>Tyroglyphus putrescentiae</i> , <i>Tyrophagus brauni</i> , <i>Tyrophagus bulleri</i> , <i>Tyrophagus castellanii</i> , <i>Tyrophagus lintneri</i> , <i>Tyrophagus</i>	II	<i>Allium sativum</i> (bawang putih, garlic), <i>Ananas comosus</i> (nanas, pineapple), <i>Arachis hypogaea</i> (kacang tanah, groundnut), <i>Avena sativa</i> (oat, oat), <i>Cajanus cajan</i> (pigeon pea), <i>Cocos nucifera</i> (kelapa, coconut), <i>Cucumis sativus</i> (mentimun,	daun (leaves), bunga (inflorescences), komoditas simpan (stored product), jamur (mushrooms),	Africa: Angola, Egypt, Kenya, Zimbabwe America: Barbados, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Guatemala, Peru, Panama, Mexico, USA, Venezuela Asia: Bangladesh, China,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	<p><i>longior</i> var. <i>castellanii</i>, <i>Tyrophagus noxius</i>); (Acari: Acaridae); cereal mite, cheese mite, copra itch mite, forage mite, mill mite, mold mite, mould mite</p>		<p>cucumber), Gerbera (Barbeton daisy), <i>Glycine max</i> (kedelai, soyabean). <i>Hedychium coroniarum</i> (white butterfly ginger lily), <i>Helianthus annuus</i> (bunga matahari, sunflower), <i>Hordeum vulgare</i> (barli, barley), Kalanchoe, <i>Linum usitatissimum</i> (flax), Musa (pisang), Nicotiana, <i>Oryza sativa</i> (padi, rice), <i>Pennisetum glaucum</i> (pearl millet), stored products (bahan simpan kering, dried stored products), Triticum (wheat), <i>Triticum aestivum</i> (gandum, wheat), Viola (violet), <i>Zea mays</i> (jagung, corn, maize)</p>	<p>debu (dust), polen (pollens), tanah (soils), moss, kotoran dan sarang berbagai hewan</p>	<p>India, Iraq, Israel, Japan, Kuwait, Malaysia, Nepal, Philippines, Republic of Korea (South Korea), Singapore, Taiwan, Turkey Europe: Belgium, Bosnia and Herzegovina, Czech Republic, Croatia, Denmark, Finland, France, <b>Germany</b>, Greece, Ireland, Italy, Montenegro, Netherlands, North Macedonia, Poland, Serbia, Slovakia, Slovenia, Spain, Spain, Sweden, Switzerland, United Kingdom</p>

3. KEONG (SNAILS)

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
1.	<i>Achatina craveni</i> Smith; Achatinidae; giant African snail	II	<i>Coffea</i> spp. (kopi, coffee), <i>Sesamum indicum</i> (wijen, sesame), tanaman hias (perdu)	media tanam (growing media associated with plants) tumbuhan dan/atau bagian- bagiannya (plant and part of plant)	Africa: Tanzania, Mozambique
2.	<i>Achatina zanzibarica</i> Bourg; Achatinidae; giant African snail, giant land snail	II	<i>Agave sisalana</i> (sisal), <i>Gossypium barbadens</i> (kapas, cotton), tanaman hias (perdu)	media tanam (growing media associated with plants) tumbuhan dan/atau bagian- bagiannya (plant and	Africa: Algeria, Angola, Benin, Botswana, Burkina Faso, Burundi, Cape Verde, Cameroon, Central African Republic, Chad, Comoros, Congo, DR Congo, Djibouti, Egypt, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia, Ghana,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
				part of plant)	Guinea, Guinea-Bissau, Ivory Coast, Kenya, Lesotho, Liberia, Libya, Madagascar, Malawi, Mali, Mauritania, Mauritius, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda, São Tomé and Príncipe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Swaziland, Togo, Tunisia, Uganda, Tanzania, Zambia, Zimbabwe
3.	<i>Bradybaena fructicum</i> Muller; Bradybaenidae; brush snail, bush snail	II	<i>Apium graveolens</i> (seledri, celery), <i>Vitis vinifera</i> (anggur, grapevine), Fabaceae (leguminous plants), tanaman hias (anggrek, tanaman berdaun/puring) (ornamental plants)	tanaman dengan media tanam (seedlings with growing media), tanah (soil)	Africa: Algeria, Angola, Benin, Botswana, Burkina Faso, Burundi, Cape Verde, Cameroon, Central African Republic, Chad, Comoros, Congo, DR Congo, Djibouti, Egypt, Equatorial

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM ( <i>SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	INANG/ <i>HOST</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
					Guinea, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Kenya, Lesotho, Liberia, Libya, Madagascar, Malawi, Mali, Mauritania, Mauritius, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda, São Tomé and Príncipe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Swaziland, Togo, Tunisia, Uganda, Tanzania, Zambia, Zimbabwe Asia: Afghanistan, Bahrain, Bangladesh, Bhutan, Brunei Darussalam, Cambodia, China, DPR Korea (North Korea),



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM ( <i>SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	INANG/ <i>HOST</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
					Georgia, India, Iran, Iraq, Israel, Japan, Jordan, Kazakhstan, Kuwait, Kyrgyzstan, Lao PDR (Laos), Lebanon, Malaysia, Maldives, Mongolia, Myanmar, Nepal, Oman, Pakistan, Philippines, Qatar, Republic of Korea (South Korea), Saudi Arabia, Singapore, Sri Lanka, Syria, Tajikistan, Thailand, Timor-Leste, Turkey, Turkmenistan, United Arab Emirates, Uzbekistan, Vietnam, Yemen Europe: Albania, Andorra, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
					Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxemburg, Malta, Moldova, Monaco, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, San Marino, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom
4.	<i>Cecilioides acicula</i> Muller; Ferussaciidae; blind snail, blind awl snail	II	<i>Apium graveolens</i> (seledri, celery), <i>Asparagus officinalis</i> (asparagus, asparagus)	tanaman dengan media tanam (seedlings with growing media), tanah (soil)	Africa: Canary Island, South Africa America: Argentina, Bermuda, Barbados, Hawaii, USA Europe: Czech Republic, Ireland, Netherlands,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
					Poland, Sweden, Spain, Slovakia, Ukraine, United Kingdom Oceania: Australia, New Zealand
5.	<i>Discus rotundatus</i> Muller; (Syn. <i>Helix rotundatus</i> ); Discidae; rotund disc	II	Orchidaceae	tumbuhan dan/atau bagian- bagiannya (plant and part of plant)	Africa: Algeria America: Canada, USA Asia: Turkey Europe: Denmark, France, Norway, Southern Scandinavia, Spain, Ukraine, United Kingdom
6.	<i>Drymaeus dormani</i> Binney; Bulimulidae; manatee tree snail	II	<i>Citrus</i> spp.	media tanam (growing media associated with plants) tumbuhan dan/atau bagian- bagiannya (plant and part of plant)	America: Antigua and Barbuda, Argentina, Bahamas, Barbados, Belize, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Grenada, Guatemala, Guyana, Haiti, Honduras,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
					Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, USA, Uruguay, Venezuela
7.	<i>Helix aspersa</i> Muller; (Syn. <i>Cornu aspersum</i> , <i>Cantareus asperses</i> , <i>Cryptomphalus aspersus</i> ); Helicidae; brown garden snail, common snail, garden snail	II	<i>Actinidia chinensis</i> (kiwi, Chinese gooseberry), <i>Allium cepa</i> (bawang bombai, onion), <i>Alcea</i> sp., <i>Allium</i> spp. (onion, garlic, leek, etc), <i>Alnus</i> sp. (alders), <i>Alyssum</i> sp.(alison), <i>Avena sativa</i> (oat, oats), <i>Beta vulgaris</i> (bit, beetroot), <i>Brassica</i> sp., <i>Brassica oleraceae</i> var. <i>capitata</i> (kubis, cabbage), Citrus, Capsicum, <i>Calibrachoa</i> sp., <i>Consolida sp.</i> , <i>Coriandrum sativum</i> (ketumbar, coriander), <i>Dahlia sp.</i> , <i>Delphinium</i> sp.	media tanam (growing media associated with plants) tumbuhan dan/atau bagian- bagiannya (plant and part of plant)	Africa: Algeria, Canary Island, Egypt, Gambia, Lesotho, Libya, Mauritius, Morocco, Portugal, Reunion, Saint Helena, Seychelles, South Africa, Tunisia, Zimbabwe America: Argentina, Brazil, Canada, Chile, Colombia, Ecuador, French Guiana, Guyana, Guadeloupe, Haiti, Martinique, Mexico, Peru, USA, Uruguay, Venezuela

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			(larkspur), <i>Dianthus</i> sp. (anyelir, carnation), <i>Fragaria ananassa</i> (stroberi, strawberry), <i>Hedera helix</i> (ivy), <i>Helianthus annuus</i> (bunga matahari, sunflower), <i>Hordeum vulgare</i> (barli, barley), <i>Humulus lupulus</i> (hop), <i>Iberis</i> sp. (candytuft), <i>Laburnum anagyroides</i> (common laburnum), <i>Lactuca sativa</i> (selada, lettuce), <i>Lathyrus odoratus</i> (sweet pea), <i>Lilium</i> sp. (lily), <i>Malus domestica</i> (apel, apple), <i>Medicago lupulina</i> (black medick), <i>Nasturtium</i> (watercress), <i>Nasturtium officinale</i> (selada air, watercress), <i>Opuntia ficus-indica</i> (pricky pear), <i>Penstemon</i> sp., <i>Petunia</i> sp., <i>Pisum sativum</i> (pea), <i>Persea americana</i> (avokad, avocado),		Asia: China, Israel, Lebanon, Philippines, Saudi Arabia, Syria, Turkey, Thailand, Uzbekistan Europe: Albania, Andorra, Austria, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Denmark, Estonia, France, <b>Germany</b> , Greece, Gibraltar, Hungary, Ireland, Italy, Liechtenstein, Luxembourg, Malta, Moldova, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Russian Federation, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			<p><i>Phaseolus vulgaris</i> (buncis, common bean), Poaceae, <i>Prunus armeniaca</i> (aprikot, apricot), <i>Pyrus communis</i> (pir, pear), <i>Primula sieboldii</i>, <i>Ranunculus repens</i> (creeping buttercup), <i>Raphanus sativus</i> (lobak, radish), <i>Ribes nigrum</i> (blackcurrant), <i>Rosmarinus officinalis</i> (rosemary), <i>Rosa</i> sp., <i>Rubus fruticosus</i> (blackberry), <i>Solanum lycopersicum</i> (tomat, tomato), strawberry, <i>Thymus vulgaris</i> (thyme), <i>Trifolium alexandrinum</i> (egyptian clover), <i>Triticum aestivum</i> (gandum, wheat), <i>Vitis vinifera</i> (anggur, grapevine), <i>Yucca</i> sp., <i>Zea mays</i> (jagung, corn, maize), <i>Zinnia</i> sp.</p>		<p>Switzerland, Ukraine, United Kingdom Oceania: Fiji, French Polynesia, New Caledonia, Australia, New Zealand, Norfolk Island, Pitcairn Island, Samoa</p>
8.	<i>Helix pomatia</i> L.; Helicidae;	II	<i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Triticum</i>	media tanam (growing	America: Canada Asia: Georgia,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	roman snail, edible snail, vineyard snail, burgundy snail		<i>aestivum</i> (gandum, wheat), <i>Vitis vinifera</i> (anggur, grapevine), sayuran (vegetables)	media associated with plants) tumbuhan dan/atau bagian- bagiannya (plant and part of plant)	Tajikistan, Turkmenistan, Uzbekistan Europe: Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, France, Finland, <b>Germany</b> , Greece, Hungary, Italy, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, North Macedonia, Moldova, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Switzerland, Sweden, Ukraine, United

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
					Kingdom
9.	<i>Helix rufescens</i> Pennant; Helicidae; reddish snail	II	<i>Fragaria vesca</i> (wild strawberry)	media tanam (growing media associated with plants) tumbuhan dan/atau bagian- bagiannya (plant and part of plant)	America: Antigua and Barbuda, Argentina, Bahamas, Barbados, Belize, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Grenada, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, USA, Uruguay, Venezuela
10.	<i>Lanistes ovum</i> Trosch; (Syn. <i>Lanistes connollyi</i> , <i>Lanistes elator</i> , <i>Lanistes innesi</i> , <i>Lanistes</i>	II	<i>Oryza sativa</i> (padi, paddy, rice)	media tanam (growing media	Africa: Angola, Botswana, Congo, Chad, Cameroon, Gambia, Ghana,



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	<i>procerus</i> ); Ampullariidae; freshwater snail			associated with plants) tumbuhan dan/atau bagian- bagiannya (plant and part of plant)	Mozambique, Namibia, Niger, Nigeria, South Africa Tanzania, Zimbabwe
11.	<i>Marisa cornuarietis</i> L.; Ampullariidae; giant ramshorn snail, apple snail, Colombian ramshorn snail	II	<i>Oryza sativa</i> (padi, paddy, rice)	media tanam (growing media associated with plants) tumbuhan dan/atau bagian- bagiannya (plant and part of plant)	Africa: Algeria, Angola, Benin, Botswana, Burkina Faso, Burundi, Cape Verde, Cameroon, Central African Republic, Chad, Comoros, Congo, DR Congo, Djibouti, Egypt, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Kenya, Lesotho, Liberia, Libya, Madagascar, Malawi, Mali, Mauritania, Mauritius, Morocco,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
					Mozambique, Namibia, Niger, Nigeria, Rwanda, São Tomé and Príncipe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Swaziland, Togo, Tunisia, Uganda, Tanzania, Zambia, Zimbabwe America: Argentina, Bolivia, Brazil, Chile, Central America, Colombia, Costa Rica, Ecuador, French Guiana, Guyana, Hawaii, Panama, Paraguay, Peru, South America, Suriname, Trinidad and Tobago, Uruguay, Venezuela
12.	<i>Otala lactea</i> Muller; Helicidae; milk snail, milky snail	II	<i>Allium sativum</i> (bawang putih, garlic), <i>Apium graveolens</i> (seledri, celery),	media tanam (growing media	Africa: North Africa America: Argentina, Bolivia, Brazil, Bermuda,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			<i>Brassica oleracea</i> var. <i>botrytis</i> (kembang kol, cauliflower), <i>Brassica oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Brassica oleracea</i> var. <i>italica</i> (brokoli, broccoli), Brassicaceae, Citrus, <i>Carica papaya</i> (pepaya, papaya), <i>Lactuca sativa</i> (selada, lettuce), lily, <i>Pimpinella anisum</i> (anise), yucca	associated with plants) tumbuhan dan/atau bagian-bagiannya (plant and part of plant)	Colombia, Chile, Cuba, Dominican Republic, Ecuador, French Guiana, Jamaica, Paraguay, Peru, Uruguay, USA, Venezuela Europe: Netherlands, Spain Oceania: Australia
13.	<i>Oxychilus cellarius</i> Muller; Zonitidae; cellar glass snail	II	<i>Cucumis sativus</i> (mentimun, cucumber), <i>Cucurbita moschata</i> (labu, pumpkin), <i>Citrullus lanatus</i> (semangka, watermelon), <i>Cucumis melo</i> (melon, melon), Fabaceae, Orchidaceae (anggrek, orchid)	media tanam (growing media associated with plants) tumbuhan dan/atau bagian-bagiannya (plant and part of plant)	Africa: North Africa America: USA, Canada Asia: Afghanistan, Bahrain, Bangladesh, Bhutan, Brunei Darussalam, Cambodia, China, DPR Korea (North Korea), Georgia, India, Iran, Iraq, Israel, Japan, Jordan, Kazakhstan, Kuwait, Kyrgyzstan, Lao PDR (Laos), Lebanon,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM ( <i>SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	INANG/ <i>HOST</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
					<p>Malaysia, Maldives, Mongolia, Myanmar, Nepal, Oman, Pakistan, Philippines, Qatar, Republic of Korea (South Korea), Saudi Arabia, Singapore, Sri Lanka, Syria, Tajikistan, Thailand, Timor-Leste, Turkey, Turkmenistan, United Arab Emirates, Uzbekistan, Vietnam, Yemen</p> <p>Europe: Albania, Andorra, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, <b>Germany</b>, Greece, Hungary, Iceland,</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
					Ireland, Italy, Latvia, Lithuania, Luxemburg, Malta, Moldova, Monaco, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, San Marino, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: New Zealand
14.	<i>Oxychilus draparnaudi</i> Beck; Zonitidae; dark bodied glass snail	II	<i>Cucumis sativus</i> (mentimun, cucumber), <i>Cucurbita moschata</i> (labu, pumpkin), Fabaceae, Orchidaceae (anggrek, orchid)	media tanam (growing media associated with plants) tumbuhan dan/atau bagian-bagiannya (plant and part of plant)	Europe: Albania, Andorra, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, <b>Germany</b> , Greece, Hungary, Iceland,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
					Ireland, Italy, Latvia, Lithuania, Luxemburg, Malta, Moldova, Monaco, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, San Marino, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom
15.	<i>Theba pisana</i> Muller; (Syn. <i>Helix pisana</i> ); Helicidae; white garden snail, Mediteranean sandsnail, sandhill snail, white snail	II	<i>Brassica oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Citrus</i> spp., <i>Daucus carota</i> (wortel, carrot), <i>Hordeum</i> <i>vulgare</i> (barli, barley), Fabaceae, <i>Medicago sativa</i> (alfalfa, lucerne), ornamental plant, <i>Solanum lycopersicum</i> (tomat, tomato), <i>Triticum</i> <i>aestivum</i> (gandum, wheat), <i>Vitis vinifera</i> (anggur, grape)	media tanam (growing media associated with plants) tumbuhan dan/atau bagian- bagiannya (plant and part of plant)	Africa: Canary Island, South Africa, Somaliland America: Atlantic Island, Bermuda, USA Asia: Iran Europe: United Kingdom, France Oceania: Australia

4. SIPUT (SLUGS)

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
1.	<i>Ariolimax columbianus</i> Gould; Arionidae; Pacific banana slug	II	Garden plant and flowers, <i>Musa</i> spp. (pisang, banana)	tumbuhan dan/atau bagian- bagiannya (plants and part of plant)	America: Canada, Mexico, USA
2.	<i>Arion circumscriptus</i> Johnston; (Syn. <i>Arion bourguignati</i> ); Arionidae; brown banded arion, white soled slug	II	<i>Apium graveolens</i> (seledri, celery), <i>Brassica napus</i> var. <i>napus</i> (rape), <i>Daucus carota</i> (wortel, carrot), <i>Fragaria vesca</i> (wild strawberry), <i>Hordeum vulgare</i> (barli, barley), <i>Nicotiana tabacum</i> (tembakau, tobacco), poppy, <i>Secale cereale</i> (rye), <i>Solanum tuberosum</i> (kentang, potato), tanaman jagung (plant of corn)	tumbuhan dan/atau bagian- bagiannya (plants and part of plant)	America: Canada, Mexico, USA Europe: Czech Republic, Denmark, Ireland, Norway, Sweden, United Kingdom
3.	<i>Arion intermedius</i> Normand; Arionidae; hedgehog arion, hedgehog slug	II	<i>Apium graveolens</i> (seledri, celery), <i>Daucus carota</i> (wortel, carrot), ornamental plants, <i>Solanum tuberosum</i>	tumbuhan dan/atau bagian- bagiannya	America: Canada, Hawaii, USA Asia: Sri Lanka Europe: Albania,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			(kentang, potato), <i>Triticum</i> spp. (gandum, wheat), <i>Tulipa</i> sp. (tulip), <i>Zea mays</i> (jagung, corn, maize)	(plants and part of plant)	Austria, Belgium, Bosnia-Herzegovina, Croatia, Czech Republic, France, <b>Germany</b> , Hungary, Liechtenstein, Luxembourg, Montenegro, Netherlands, North Macedonia, Poland, Serbia, Slovakia, Slovenia, Switzerland Oceania: New Zealand
4.	<i>Arion rufus</i> L.; (Syn. <i>Limax rufus</i> , <i>Arion ater</i> , <i>Arion empiricorum</i> ); Arionidae; chocolate arion, European red slug	II	<i>Brassica oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Brassica napus</i> var. <i>napus</i> (rape), <i>Fragaria ananassa</i> (stroberi, strawberry), <i>Helianthus annuus</i> (bunga matahari, sunflower), <i>Hordeum vulgare</i> (barli, barley), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Petroselinum crispum</i> (peterseli, parsley), poppy,	tumbuhan dan/atau bagiannya (plants and part of plant)	America: Canada, USA Europe: Austria, Belgium, Denmark, Estonia, Faroe Islands, Finland, France, Germany, Greenland, Iceland, Ireland, Latvia, Lithuania, Liechtenstein, Luxembourg, Netherlands, Switzerland, United



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			<i>Solanum tuberosum</i> (kentang, potato), <i>Secale cereale</i> (rye), <i>Triticum aestivum</i> (gandum, wheat)		Kingdom
5.	<i>Arion subfuscus</i> Drap; (Syn. <i>Limax subfuscus</i> , <i>Arion krynickii</i> , <i>Arion brunneus</i> , <i>Arion esthonicus</i> ); Arionidae; dusky arion	II	<i>Apium graveolens</i> (seledri, celery), <i>Daucus carota</i> (wortel, carrot), <i>Fragaria ananassa</i> (stroberi, strawberry), <i>Solanum tuberosum</i> (kentang, potato), <i>Solanum lycopersicum</i> (tomat, tomato)	tumbuhan dan/atau bagian- bagiannya (plants and part of plant)	America: Canada, USA Europe: United Kingdom
6.	<i>Deroceras agreste</i> L; (Syn. <i>Limax agrestis</i> , <i>Agriolimax agrestis</i> , <i>Agriolimax fedschenkoi</i> , <i>Agriolimax transcaucasicus coeciger</i> ); Agriolimacidae; field slug, grey field slug, milky slug	II	Brassicaceae, <i>Cynara scolymus</i> (artichoke), <i>Daucus carota</i> (wortel, carrot), <i>Fragaria vesca</i> (wild strawberry), <i>Lactuca sativa</i> (selada, lettuce), sayuran (vegetables), <i>Solanum tuberosum</i> (kentang, potato), <i>Trifolium</i> sp.	tumbuhan dan/atau bagian- bagiannya (plants and part of plant)	America: Antigua and Barbuda, Argentina, Bahamas, Barbados, Belize, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Grenada, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua,

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					Panama, Paraguay, Peru, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, USA, Uruguay, Venezuela Asia: Afghanistan, Bahrain, Bangladesh, Bhutan, Brunei Darussalam, Cambodia, China, DPR Korea (North Korea), Georgia, India, Iran, Iraq, Israel, Japan, Jordan, Kazakhstan, Kuwait, Kyrgyzstan, Lao PDR (Laos), Lebanon, Malaysia, Maldives, Mongolia, Myanmar, Nepal, Oman, Pakistan, Philippines, Qatar, Republic of Korea

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					(South Korea), Saudi Arabia, Singapore, Sri Lanka, Syria, Tajikistan, Thailand, Timor-Leste, Turkey, Turkmenistan, United Arab Emirates, Uzbekistan, Vietnam, Yemen Europe: Denmark, North Europe, Norway, Russian Federation, Sweden Oceania: Australia
7.	<i>Geomalacus maculosus</i> Allman; Arionidae; kerry slug, kerry spotted slug	II	<i>Beta vulgaris</i> var. <i>saccharifera</i> (bit gula, sugar beet)	tumbuhan dan/atau bagian-bagiannya (plants and part of plant)	Europe: Portugal, Spain
8.	<i>Lehmania valentiana</i> Ferussac; Limacidae; terrestrial pulmonate gastropod mollusk	II	Orchidaceae (anggrek, orchid), <i>Solanum tuberosum</i> (kentang, potato), sayuran (vegetables)	tumbuhan dan/atau bagian-bagiannya (plants and	Africa: South Africa America: Canada, Chile, Colombia, Peru, USA Asia: China, Japan

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
				part of plant)	Europe: Andorra, Austria, Azores, Balearic Island, Belgium, Canary Island, Corsica, Czech Republic, Denmark, France, Gibraltar, Hungary, Ireland, Italy, Lithuania, Malta, Netherlands, Poland, Portugal, Romania, Russian Federation, Spain, Sweden, United Kingdom Oceania: Australia, New Zealand
9.	<i>Limax cinereoniger</i> Wolf; (Syn. <i>Limax antiquorum</i> ); Limacidae; ash grey slug, black keel slug	II	<i>Apium graveolens</i> (seledri, celery), <i>Daucus carota</i> (wortel, carrot), <i>Solanum tuberosum</i> (kentang, potato), tanaman hias (anggrek, anthurium, tanaman berdaun lainnya)	tumbuhan dan/atau bagian-bagiannya (plants and part of plant)	Europe: Albania, Andorra, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
					France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxemburg, Malta, Moldova, Monaco, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, San Marino, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom
10.	<i>Limax maximus</i> L; (Syn. <i>Limax maculatus</i> , <i>Limax cellarius</i> , <i>Limax cinereus</i> , <i>Limacella parma</i> , <i>Limax antiquorum</i> ); Limaçidae; giant garden slug, great slug, tiger slug, spotted leopard slug	II	<i>Apium graveolens</i> (seledri, celery), <i>Brassica oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Cucurbita moschata</i> (labu, pumpkin), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Daucus carota</i> (wortel, carrot), Jamur	tumbuhan dan/ atau bagian-bagiannya (plants and part of plant)	America: Hawaii, USA Europe: Italy, Norway Oceania: New Zealand

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			(mushroom), <i>Solanum tuberosum</i> (kentang, potato), <i>Solanum lycopersicum</i> (tomat, tomato), tanaman hias (anggrek, anthurium, tanaman berdaun lainnya)		
11.	<i>Milax budapestensis</i> Hazay; Milacidae; Budapest slug, keeled slug, Subterranean slug	II	<i>Apium graveolens</i> (seledri, celery), akar sayuran, <i>Brassica napus</i> var. <i>napus</i> (rape), <i>Daucus carota</i> (wortel, carrot), <i>Helianthus annuus</i> (bunga matahari, sunflower), <i>Hordeum vulgare</i> (barli, barley), poppy, <i>Solanum tuberosum</i> (kentang, potato), sayuran, <i>Secale cereale</i> (rye), <i>Triticum aestivum</i> (gandum, wheat)	tumbuhan dan/atau bagian-bagiannya (plants and part of plant)	Europe: Albania, Andorra, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxemburg, Malta, Moldova, Monaco, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
					Romania, Russian Federation, San Marino, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom
12.	<i>Milax gagates</i> Draparnaud; (Syn. <i>Limax gagtes</i> , <i>Limax fuliginosus</i> , <i>Milax antipodarum</i> , <i>Limax pectinatus</i> , <i>Milax hewstoni</i> , <i>Milax emarginata</i> , <i>Milax tasmanicus</i> , <i>Milax nigricolus</i> , <i>Amalia antipodarum</i> var. <i>pallida</i> , <i>Amalia parryi</i> , <i>Amalia babori</i> ); Milacidae; greenhouse slug, keeled slug	II	<i>Brassica oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Cynara scolimus</i> (artichoke), <i>Daucus carota</i> (wortel, carrot), <i>Glycine max</i> (kedelai, soyabean), <i>Helianthus annuus</i> (bunga matahari, sunflower), <i>Fragaria vesca</i> (wild strawberry), <i>Solanum tuberosum</i> (kentang, potato), (oilseed rape)	tumbuhan dan/atau bagian-bagiannya (plants and part of plant)	Africa: Algeria, Angola, Benin, Botswana, Burkina Faso, Burundi, Cape Verde, Cameroon, Central African Republic, Chad, Comoros, Congo, DR Congo, Djibouti, Egypt, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Kenya, Lesotho, Liberia, Libya, Madagascar, Malawi, Mali, Mauritania, Mauritius, Morocco,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM ( <i>SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	INANG/ <i>HOST</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
					Mozambique, Namibia, Niger, Nigeria, Rwanda, São Tomé and Príncipe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Swaziland, Togo, Tunisia, Uganda, Tanzania, Zambia, Zimbabwe America: USA Asia: Japan, Sri Lanka Europe: France, Greece, Italy, Mediterranean region, Spain, Turkey, United Kingdom Oceania: Australia, New Zealand
13.	<i>Milax sowerbyi</i> Tandonia sowerbyi; Milacidae; sowerby's slug, bulb-eating slug	II	<i>Apium graveolens</i> (seledri, celery), <i>Daucus carota</i> (wortel, carrot), <i>Solanum tuberosum</i> (kentang, potato)	tumbuhan dan/atau bagian-bagiannya (plants and	Europe: Albania, Andorra, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM ( <i>SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	INANG/ <i>HOST</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
				part of plant)	Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxemburg, Malta, Moldova, Monaco, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, San Marino, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom
14.	<i>Vaginula hedleyi</i> Simroth; Veronicellidae; Vaginula slugs	II	<i>Coffea</i> spp. (kopi, coffee), <i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Medicago sativa</i> (alfalfa, lucerne),	tumbuhan dan/atau bagian-bagiannya	America: Antigua and Barbuda, Argentina, Bahamas, Barbados, Belize, Bolivia,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM ( <i>SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	INANG/ <i>HOST</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
			<i>Nicotiana tabacum</i> (tembakau, tobacco)	(plants and part of plant)	Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Grenada, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, USA, Uruguay, Venezuela

5. NEMATODA (NEMATODES)

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
1.	<p><i>Anguina agrostis</i> (Steinbuch, 1799) Filipjev, 1936; (Syn. <i>Anguillula agrostidis</i> (Steinbuch, 1799) Warming, 1877, <i>Anguillula agrostis</i> (Steinbuch, 1799) Ehrenberg, 1838, <i>Anguillula phalaridis</i> (Steinbuch, 1799) Ehrenberg, 1838, <i>Anguillulina agrostis</i> (Steinbuch, 1799) Goodey, 1932, <i>Anguillulina phalaridis</i> (Steinbuch, 1799) Goodey, 1932, <i>Anguina funesta</i> Price, Fisher &amp; Kerr, 1979, <i>Anguina lolii</i> Price, 1973 (=nomen nudum), <i>Anguina phalaridis</i> (Steinbuch, 1779) Chizhov, 1980, <i>Anguina poophila</i> Kiryanova, 1952, <i>Tylenchus agrostidis</i> Bastian, 1865, <i>Tylenchus agrostis</i> (Steinbuch, 1799) Goodey, 1930, <i>Tylenchus phalaridis</i> (Steinbuch, 1799) Orley, 1880, <i>Tylenchus phlei</i> Horn, 1888, <i>Vibrio agrostis</i> Steinbuch, 1799, <i>Vibrio phalaridis</i> Steinbuch, 1799);</p>	I	<p><i>Agrostis canina</i> (velvet bentgrass), <i>Agrostis capillaris</i> (colonial bentgrass), <i>Agrostis exarata</i> (spike bentgrass), <i>Agrostis stolonifera</i> var. <i>palustris</i> (creeping bentgrass), <i>Bromus erectus</i> (upright brome), <i>Dactylis glomerata</i> (orchard grass), <i>Festuca nigrescens</i> (red fescue), <i>Festuca ovina</i> (sheep fescue), <i>Lolium rigidum</i> (wimmera ryegrass), <i>Phleum boehmeri</i>, <i>Phleum phleoides</i> (boehmer's cat's-tail), <i>Phleum pratense</i> (timothy grass), <i>Poa alpina</i> (alpine bluegrass), <i>Poa annua</i> (annual bluegrass), <i>Poa pratensis</i> (kentucky bluegrass), <i>Trisetum</i></p>	<p>akar dan tanah jika rumput diimpor dalam fase vegetatif (roots and soil if grass is imported in the vegetative phase), batang (stems (above ground), trunks, branches), biji (true seeds, grain), bunga (flowers, inflorescences, cones, calyx), daun (leaves), malai (panicles), media tanam yang melekat</p>	<p>Africa: South Africa America: Canada, USA Asia: China, Georgia, Kyrgyzstan Europe: Czech Republic, Estonia, Finland, Germany, Ireland, Netherlands, Norway, Poland, Russian Federation, Slovakia, Sweden, United Kingdom, Ukraine Oceania: Australia, New Zealand</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	Anguinidae; bentgrass nematode, grass seed eelworm, grass seed nematode, rye grass nematode		<i>flavescens</i> (yellow oatgrass)	pada tanaman (growing media associated with plants), stolon (stolons), tunas (shoots), umbi (bulbs, tubers, corms, rhizomes)	
2.	<i>Anguina tritici</i> (Steinbuch, 1799) Chitwood, 1935; (Syn. <i>Anguillula scandens</i> Schneider, 1866, <i>Anguillula tritici</i> (Steinbuch, 1799) Grube, 1849, <i>Anguillulina scandens</i> (Schneider) Goodey, 1932, <i>Anguillulina tritici</i> (Steinbuch, 1799) Gervais & Van Beneden, 1859, <i>Anguina tritici</i> (Steinbuch, 1799) Gervais & van Beneden, 1859, <i>Rhabditis tritici</i> (Steinbuch, 1799) Dujardin, 1845, <i>Tylenchus scandens</i> (Schneider, 1866) Cobb, 1890, <i>Tylenchus tritici</i> (Steinbuch, 1799) Bastian, 1865, <i>Vibrio tritici</i> Steinbuch, 1799);	II	<i>Avena sativa</i> (oat, oats), <i>Hordeum vulgare</i> (barli, barley), <i>Secale cereale</i> (rye), <i>Triticum</i> (wheat), <i>Triticum aestivum</i> (gandum, wheat), <i>Triticum dicoccum</i> (emmer wheat), <i>Triticum spelta</i> (spelt), <i>Triticum turgidum</i> (durum wheat)	batang (stems (above ground), trunks, branches), bibit (seedlings, micropropagate d plants), biji (true seeds, grain), bunga (flowers, inflorescences, cones, calyx), daun (leaves), malai (panicles), tunas (shoots), umbi (tubers,	Africa: Egypt, Ethiopia America: Brazil, Canada, USA Asia: Afghanistan, Azerbaijan, China, India, Iran, Iraq, Israel, Pakistan, Republic of Korea (South Korea), Saudi Arabia, Syria, Taiwan, Turkey Europe: Austria, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, France, Germany, Greece, Hungary,

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	Anguinidae; cockle wheat, earcockles, eelworm disease, purples, wheat cockle nematode, wheat nematode, wheatgall nematode, wheat seed gall nematode			corms, rhizomes)	Ireland, Italy, Lithuania, Montenegro, Netherlands, North Macedonia, Poland, Romania, Russian Federation, Serbia, Slovenia, Spain, Sweden, Switzerland, United Kingdom, Ukraine Oceania: Australia, New Zealand
3.	<i>Aphasmatylenchus straturatus</i> Germani, 1970; Hoplolaimidae; ground nut chlorosis nematode	II	<i>Arachys hypogaea</i> (kacang tanah, peanut), <i>Cajanus cajan</i> (kacang gude, pigeon pea), <i>Glycine max</i> (kedelai, soyabean), <i>Tephrosia</i> (hoary-pea), <i>Vigna cylindrical</i> (kacang tunggak, long bean), <i>Vigna unguiculata</i> (cowpea), <i>Voandzeia subterranea</i> (Bambara groundnut)	akar (roots), polong kacang tanah (pods of peanut), tanah (soil), media tanam yang melekat pada tanaman (growing media associated with plants)	Africa: Burkina Faso
4.	<i>Aphelenchoides arachidis</i> Bos, 1977;	II	<i>Arachys hypogaea</i> (kacang	akar (roots), biji	Africa: Cameroon,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	(Syn. <i>Robustodorus arachidis</i> (Bos, 1977); Aphelenchoididae; groundnut testa nematode, peanut testa nematode		tanah, peanut), <i>Oryza sativa</i> (padi, paddy, rice), <i>Pennisetum glaucum</i> (pearl millet), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Zea mays</i> (jagung, corn, maize)	(true seeds, grain), buah (fruits), polong (pods), tanah (soil), tunas (shoots), media tanam yang melekat pada tanaman (growing media associated with plants), umbi (bulbs, tubers, corms, rhizomes)	Egypt, Nigeria, South Africa
5.	<i>Aphelenchoides ritzemabosi</i> (Schwartz, 1911) Steiner & Buhner, 1932; (Syn. <i>Aphelenchoides ribes</i> (Taylor, 1917) Goodey, 1933, <i>Aphelenchus phyllophagus</i> Stewart, 1921, <i>Aphelenchus ribes</i> (Taylor, 1917) Goodey, 1923, <i>Aphelenchus ritzemabosi</i> (Schwartz, 1911), <i>Pathoaphelenchus ritzemabosi</i> (Schwartz, 1911) Steiner, 1932,	II	<i>Asplenium nidus</i> (bird's nest fern), <i>Begonia</i> , <i>Bergenia</i> spp. (elephant-leaved saxifrage), <i>Buddleia</i> spp. (Butterflybush), <i>Calceolaria</i> spp. (pouch flower), <i>Callistephus chinensis</i> (China aster), <i>Campanula</i> spp. (campanulas), <i>Campanula pyramidalis</i>	batang (stems (above ground), shoots, trunks, branches), biji (true seeds, grain), bunga (flowers, inflorescences, cones, calyx), daun (leaves),	Africa: Canary Islands, Mauritius, South Africa America: Brazil, Canada, Chile, Cuba, Mexico, USA, Venezuela Asia: China, India, Iran, Japan, Kazakhstan, Republic

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	<p><i>Pseudaphelenchoides ritzemabosi</i> (Schwartz, 1911) Drozdovski, 1967, <i>Tylenchus ribes</i> Taylor, 1917); Aphelenchoididae; blackcurrant nematode, bud and leaf nematode, chrysant foliar eelworm, chrysant foliar nematode, chrysanthemum foliar eelworm, leaf wilt nematode of chrysant</p>		<p>(chimney bellflower), <i>Chrysanthemum morifolium</i> (krisan, chrysant), <i>Consolida ambigua</i> (rocket larkspur), <i>Crassula coccinea</i>, <i>Dahlia</i>, <i>Echium</i> spp., <i>Eleusine coracana</i> (finger millet), <i>Fragaria</i> (strawberry), <i>Fragaria ananassa</i> (stroberi, strawberry), <i>Fragaria vesca</i> (wild strawberry), <i>Geranium</i> spp. (cranesbill), <i>Helianthus annuus</i> (bunga matahari, sunflower), <i>Helleborus niger</i> (christmas rose), <i>Hibiscus rosa-sinensis</i> (kembang sepatu, China-rose), <i>Hydrangea anomala</i>, <i>Lavandula angustifolia</i> (lavender), <i>Limonium sinuatum</i> (sea pink), <i>Lotus corniculatus</i> (bird's-foot trefoil), <i>Lupinus</i> spp. (lupins), <i>Medicago sativa</i></p>	<p>kormus (corms), media tanam yan melekat pada tanaman (growing media associated with plants), rhizom (rhizomes), stolon (stolons), umbi (bulbs, tubers)</p>	<p>of Korea (South Korea), Uzbekistan Europe: Bosnia and Herzegovina, Bulgaria, Croatia, Germany, Hungary, Ireland, Italy, Latvia, Montenegro, Netherlands, North Macedonia, Poland, Portugal, Russian Federation, Serbia, Slovenia, Spain, Switzerland, United Kingdom, Ukraine Oceania: Fiji, New Zealand</p>

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			(alfalfa, lucerne), <i>Mimulus</i> spp. (monkey-flower), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Ocimum basilicum</i> (kemangi, basil), <i>Passiflora edulis</i> (passionfruit), <i>Passiflora</i> <i>quadrangularis</i> (markisa, passionfruit, granadilla), <i>Peperomia</i> sp., <i>Phaseolus</i> <i>vulgaris</i> (buncis, common bean), <i>Philadelphus</i> <i>coronarius</i> (mock orange), <i>Ranunculus</i> spp. (buttercup), <i>Rheum</i> <i>hybridum</i> (rhubarb), <i>Rhododendron</i> spp. (Azalea), <i>Ribes nigrum</i> (blackcurrant), <i>Ribes uva-</i> <i>crispa</i> (gooseberry), <i>Rudbeckia</i> spp. (coneflower), <i>Rumex</i> (Dock), <i>Saintpaulia</i> (African violet), <i>Saintpaulia ionantha</i> (African violet), <i>Salvia</i>		



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			<p><i>splendens</i> (scarlet sage),  <i>Sambucus</i> spp. (Elderberry),  <i>Senecio</i> spp. (Groundsel),  <i>Sinningia speciosa</i>                      (gloxinia), <i>Solanum</i>  <i>lycopersicum</i> (tomat,                      tomato), <i>Solanum nigrum</i>                      (leunca, black nightshade),  <i>Sonchus</i> spp. (Sowthistle),  <i>Stellaria media</i> (common                      chickweed), <i>Verbena</i> spp.                      (vervain), <i>Veronica</i>                      (Speedwell), <i>Viburnum</i> spp.,  <i>Viola</i> spp. (violet), <i>Vigna</i>                      spp. (buncis, cowpea),  <i>Zinnia elegans</i> (zinnia)</p>		
6.	<p><i>Belonolaimus longicaudatus</i> Rau,                      1958;                      Belonolaimidae;                      sting nematode</p>	II	<p><i>Abelmoschus esculentus</i>                      (okra, lady's finger), <i>Acer</i>                      spp. (maples), <i>Acer</i>  <i>pseudoplatanus</i> (sycamore),  <i>Agrostis stolonifera</i> var.  <i>palustris</i> (bent grass),  <i>Allium cepa</i> (bawang                      bombay, onion), <i>Apium</i>  <i>graveolens</i> (seledri, celery),</p>	<p>akar (roots),                      media tanam                      yang melekat                      pada tanaman                      (growing media                      associated with                      plants)</p>	<p>America: Bahamas,                      Bermuda, Costa Rica,                      Mexico, Puerto Rico,                      USA                      Asia: Pakistan, Saudi                      Arabia, Turkey</p>

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			<p><i>Arachys hypogaea</i> (kacang tanah, peanut), <i>Baccharis halimifolia</i> (groundsel-bush), <i>Beta vulgaris</i> (bit, beetroot), Brassica, <i>Brassica oleracea</i> (cabbages, cauliflowers), <i>Brassica oleracea</i> var. <i>botrytis</i> (bunga kol, cauliflower), <i>Brassica oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Brassica rapa</i> subsp. <i>oleifera</i> (turnip rape), <i>Capsicum annum</i> (cabai, paprika, bell pepper, hot pepper, red pepper, chili), <i>Casuarina equisetifolia</i> (casuarina), <i>Chrysanthemum</i> spp. (daisy), <i>Citrullus lanatus</i> (semangka, watermelon), <i>Citrus sinensis</i> (jeruk manis, navel orange), <i>Cucumis melo</i> (melon, melon), <i>Cucumis sativus</i></p>		

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			<p>(mentimun, cucumber),  <i>Cynodon dactylon</i> (bermuda  grass, rumput bermuda),  <i>Daucus carota</i> (wortel,  carrot), <i>Desmodium  tortuosum</i> (Florida  beggarweed), <i>Digitaria  decumbens</i> (pangolagrass),  <i>Digitaria sanguinalis</i> (large  crabgrass), <i>Diospyros kaki</i>  (kesemek, persimmon),  <i>Eremochloa ophiuroides</i>  (centipedegrass), <i>Festuca  arundinacea</i> (tall fescue),  <i>Fragaria</i> spp., (stroberi,  strawberry), <i>Glycine max</i>  (kedelai, soyabean),  <i>Gossypium hirsutum</i>  (Bourbon cotton),  <i>Helianthus annuus</i> (bunga  matahari, sunflower),  <i>Hordeum vulgare</i> (barli,  barley), <i>Ilex</i> (holly), <i>Ipomoea  batatas</i> (ubi jalar, sweet  potato), <i>Ipomoea purpurea</i></p>		

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			<p>(tall morning glory), <i>Lactuca sativa</i> (selada, lettuce), <i>Liquidambar styraciflua</i> (sweet gum), <i>Lolium multiflorum</i> (Italian ryegrass), <i>Mentha spicata</i> (spear mint), <i>Ocimum basilicum</i> (kemangi, basil), <i>Oxalis</i> (wood sorrels), <i>Paspalum notatum</i> (bahia grass), <i>Pennisetum glaucum</i> (pearl millet), <i>Pennisetum purpureum</i> (elephant grass), <i>Pharbitis purpurea</i> (common morning glory), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Pinus palustris</i> (longleaf pine), <i>Pinus taeda</i> (loblolly pine), <i>Pisum sativum</i> (kapri, sweet pea), <i>Pittosporum tobira</i> (japanese pittosporum), Poaceae (grasses), <i>Rumex crispus</i> (curled dock), <i>Saccharum officinarum</i> (tebu,</p>		

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			sugarcane), <i>Schinus terebinthifolius</i> (Brazilian pepper tree), <i>Secale cereale</i> (rye), <i>Sesbania exaltata</i> (coffeebean (USA)), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum melongena</i> (terung, aubergine, eggplant), <i>Solanum tuberosum</i> (kentang, potato), <i>Sorghum sudanense</i> (Sudan grass), <i>Stenotaphrum secundatum</i> (buffalo grass), <i>Trifolium</i> spp. (clovers), <i>Triticum aestivum</i> (gandum, wheat), turfgrasses, <i>Ulmus parvifolia</i> (lacebark elm), <i>Vaccinium corymbosum</i> (blueberry), <i>Vigna unguiculata</i> (cowpea), <i>Vitis rotundifolia</i> (muscadine grape), <i>Zea mays</i> (jagung, corn, maize)		
7.	<i>Bursaphelenchus cocophilus</i> (Cobb)	I	<i>Cocos nucifera</i> (kelapa,	akar (roots),	America: Belize, Brazil,

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	Baujard; (Syn. <i>Aphelenchoides cocophilus</i> , <i>Aphelenchus cocophilus</i> , <i>Chitinoaphelenchus cocophilus</i> , <i>Rhadinaphelenchus cocophilus</i> ); Aphelenchoididae; red ring nematode		coconut), <i>Elaeis guineensis</i> (kelapa sawit, oil palm), <i>Phoenix canariensis</i> (Canary Island date palm), <i>Phoenix</i> <i>dactylifera</i> (kurma, dates- palm), <i>Sabal palmetto</i> (cabbage palmetto)	batang (stems (above ground), trunks, branches), bibit (seedlings), daun (leaves), kulit kayu (bark), kayu (woods), media tanam yang melekat pada tanaman (growing media associated with plants), tanah (soil), tunas (shoots), media tanam lainnya (others growing media)  sebagai vektor (as a vector): <i>Rhynchophorus</i> <i>palmarum</i> ,	Colombia, Costa Rica, Ecuador, El Salvador, French Guiana, Grenada, Guatemala, Guyana, Honduras, Mexico, Nicaragua, Panama, Peru, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, Venezuela

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				<i>Rhynchophorus cruentatus</i> , <i>Metamasius hemipterus</i> (Coleoptera; Curculionidae)	
8.	<i>Bursaphelenchus xylophilus</i> (Steiner & Buhner, 1934) Nickle, 1970; (Syn. <i>Aphelenchoides xylophilus</i> , <i>Bursaphelenchus lignicolus</i> ); Parasitaphelenchidae; pine wilt nematode, pine wood nematode	I	<i>Abies</i> spp. (fir), <i>Abies amabilis</i> (Pacific silver fir), <i>Abies balsamea</i> (balsam fir), <i>Abies firma</i> (momi fir), <i>Abies grandis</i> (grand fir), <i>Abies sachalinensis</i> (sachalin fir), <i>Cedrus atlantica</i> (atlas cedar), <i>Cedrus deodara</i> (Himalayan cedar), <i>Chamaecyparis nootkatensis</i> (alaska cedar), <i>Larix</i> spp. (larch), <i>Larix decidua</i> (common larch), <i>Larix kaempferi</i> (Japanese larch), <i>Larix laricina</i> (American larch), <i>Larix occidentalis</i> (western larch), <i>Picea</i> spp. (spruce), <i>Picea abies</i> (common spruce),	batang (stems (above ground), shoots, trunks, branches), bibit (seedlings, micropropagated plants), bunga (flowers, inflorescences, cones, calyx), daun (leaves), kulit kayu (bark), kayu (woods), media tanam yang melekat pada tanaman (growing media associated with	Africa: South Africa America: Canada, Mexico, USA Asia: China, Japan, Republic of Korea (South Korea), Taiwan, Vietnam Europe: Portugal, Spain

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			<p><i>Picea engelmannii</i> (Engelmann spruce), <i>Picea glauca</i> (white spruce), <i>Picea jezoensis</i> (Yeddo spruce), <i>Picea mariana</i> (black spruce), <i>Picea pungens</i> (blue spruce), <i>Picea rubens</i> (red spruce), <i>Picea sitchensis</i> (sitka spruce), <i>Pinus</i> spp. (pines), <i>Pinus ayacahuite</i> (Mexican white pine), <i>Pinus banksiana</i> (jack pine), <i>Pinus brutia</i> (brutian pine), <i>Pinus bungeana</i> (lace bark pine), <i>Pinus caribaea</i> (Caribbean pine), <i>Pinus contorta</i> (lodgepole pine), <i>Pinus densiflora</i> (Japanese umbrella pine), <i>Pinus echinata</i> (shortleaf pine), <i>Pinus elliottii</i> (slash pine), <i>Pinus halepensis</i> (Aleppo pine), <i>Pinus hartwegii</i> (Hartweg pine), <i>Pinus jeffreyi</i> (Jeffrey pine), <i>Pinus</i></p>	<p>plants), kemasan kayu (wood packaging)  sebagai vektor (as a vector): <i>Monochamus alternatus</i>, <i>Monochamus nitens</i> (Coleoptera; Cerambycidae)</p>	



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			<p><i>koraiensis</i> (fruit pine), <i>Pinus lambertiana</i> (big pine), <i>Pinus leiophylla</i> (smooth-leaved pine), <i>Pinus luchuensis</i> (luchu pine), <i>Pinus massoniana</i> (masson pine), <i>Pinus monticola</i> (western white pine), <i>Pinus mugo</i> (mountain pine), <i>Pinus nigra</i> (black pine), <i>Pinus oocarpa</i> (ocote pine), <i>Pinus palustris</i> (longleaf pine), <i>Pinus pinaster</i> (maritime pine), <i>Pinus pinea</i> (stone pine), <i>Pinus ponderosa</i> (ponderosa pine), <i>Pinus pungens</i> (tabel Mountain pine), <i>Pinus radiata</i> (radiata pine), <i>Pinus resinosa</i> (red pine), <i>Pinus strobiformis</i> (southwestern white pine), <i>Pinus strobus</i> (eastern white pine), <i>Pinus sylvestris</i> (Scots pine), <i>Pinus taeda</i> (loblolly pine),</p>		

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			<i>Pinus thunbergii</i> (Japanese black pine), <i>Pinus wallichiana</i> (blue pine), <i>Pinus yunnanensis</i> (Yunnan pine), <i>Pseudotsuga menziesii</i> (douglas-fir), <i>Xanthocyparis nootkatensis</i> (Alaska cedar)		
9.	<i>Cactodera cacti</i> Filipjev & Schuurmans Stekhoven, 1941; (Syn. <i>Heterodera cacti</i> Filipjev & Schuurmans Stekhoven, 1941); Heteroderidae; cactus cyst nematode, cactus cyst eelworm, cactus root eelworm	II	<i>Apium graveolens</i> (seledri, celery), Cactaceae, <i>Cereus</i> , <i>Daucus carota</i> (wortel, carrot), <i>Echinopsis</i> spp., <i>Epiphyllum</i> spp., <i>Epiphyllum ackermannii</i> , <i>Erysimum allionii</i> , <i>Ferocactus</i> spp., <i>Opuntia microdasys</i> (angel's wings), <i>Opuntia stricta</i> (erect prickly pear), <i>Petroselinum crispum</i> (parslei, parsley), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Schlumbergera truncata</i> (christmas cactus)	akar (roots), batang (stems (above ground), shoots, trunks, branches), media tanam yang melekat pada tanaman (growing media associated with plants), tanah (soil)	Africa: Algeria America: Argentina, Brazil, Canada, Colombia, Cuba, Mexico, USA Asia: China, Georgia, India, Iran, Israel, Japan, Kazakhstan, Kyrgyzstan, Republic of Korea (South Korea), Tajikistan, Turkmenistan, Uzbekistan, Vietnam Europe: Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
					Herzegovina, Croatia, Czech Republic, Estonia, Denmark, France, Germany, Hungary, Italy, Latvia, Lithuania, Malta, Moldova, Montenegro, North Macedonia, Netherlands, Poland, Romania, Russian Federation, Serbia, Slovenia, Slovakia, Spain, Sweden, Switzerland, United Kingdom, Ukraine Oceania: Australia
10.	<i>Ditylenchus africanus</i> Wendt et al. 1995; Anguinidae; groundnut pod nematode, peanut pod nematode	II	<i>Arachis hypogaea</i> (kacang tanah, peanut), <i>Chenopodium album</i> (fat hen), <i>Datura stramonium</i> (jimsonweed), <i>Eleusine indica</i> (goose grass), <i>Glycine max</i> (kedelai, soyabean), <i>Gossypium hirsutum</i> (Bourbon cotton),	akar (roots), biji (true seeds, grain), polong (pods), rhizom (rhizomes), umbi (bulbs, tubers, corms)	Africa: Mozambique, South Africa

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			<p><i>Helianthus annuus</i> (bunga matahari, sunflower),  <i>Lupinus albus</i> (white lupine), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Phaseolus vulgaris</i> (buncis, common bean),  <i>Pisum sativum</i> (kapri, sweet pea), <i>Solanum tuberosum</i> (kentang, potato), <i>Sorghum bicolor</i> (sorgum, sorghum),  <i>Tagetes minuta</i> (stinking Roger), <i>Triticum aestivum</i> (gandum, wheat), <i>Vigna unguiculata</i> (kacang panjang, cowpea), <i>Xanthium strumarium</i> (common cocklebur), <i>Zea mays</i> (jagung, corn, maize)</p>		
11.	<p><i>Ditylenchus destructor</i> Thorne, 1945;  Anguinidae;  potato rot nematode, potato tuber nematode, potato eelworm</p>	II	<p><i>Allium ascalonicum</i> (bawang merah, shallot), <i>Allium cepa</i> (bawang bombai, onion),  <i>Allium sativum</i> (bawang putih, garlic), <i>Arachys</i></p>	akar (roots), batang (stems (above ground), shoots, trunks, branches),	Africa: South Africa America: Canada, Ecuador, Haiti, Mexico, Peru, USA Asia: Azerbaijan,

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM ( <i>SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME</i> )	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			<p><i>hypogaea</i> (kacang tanah, peanut), <i>Beta vulgaris</i> (bit, beetroot), <i>Beta vulgaris</i> var. <i>saccharifera</i> (bit gula, sugar beet), <i>Camellia sinensis</i> (teh, tea), <i>Capsicum annuum</i> (cabai besar, paprika, bell pepper, hot pepper, red pepper, chili), <i>Chenopodium album</i> (fat hen), <i>Chrysanthemum</i> spp. (krisan, chrysant), <i>Chrysanthemum morifolium</i> (chrysanthemum (florists')), <i>Citrus sinensis</i> (jeruk manis, navel orange), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Cucurbita maxima</i> (waluh, labu parang, pumpkin), <i>Cucurbita moschata</i> (pumpkin), <i>Cyperus rotundus</i> (purple nutsedge), <i>Dahlia hybrids</i>, <i>Daucus carota</i> (wortel, carrot),</p>	<p>kormus (corms), polong (pods), rimpang (rhizomes), stolon (stolons), umbi (bulbs, tubers)</p>	<p>China, Iran, Japan, Kazakhstan, Kyrgyzstan, Pakistan, Republic of Korea (South Korea), Saudi Arabia, Tajikistan, Turkey, Uzbekistan Europe: Albania, Austria, Belarus, Belgium, Bulgaria, Czech Republic, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Jersey, Latvia, Lithuania, Luxembourg, Moldova, Netherlands, Norway, Poland, Romania, Russian Federation, Slovakia, Spain, Sweden, Switzerland, United Kingdom, Ukraine Oceania: Australia,</p>

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			<p><i>Datura stramonium</i> (jimsonweed), <i>Eleusine indica</i> (goose grass), <i>Elymus repens</i> (quackgrass), <i>Fragaria ananassa</i> (stroberi, strawberry), <i>Fumaria officinalis</i> (common fumitory), <i>Gladiolus hybrids</i> (sword lily), <i>Glycine max</i> (kedelai, soyabean), <i>Humulus lupulus</i> (hops), <i>Irish</i> spp. (irises), <i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Mentha</i> spp. (mentol, mint), <i>Panax ginseng</i> (Asiatic ginseng), <i>Panax quinquefolius</i> (American ginseng), <i>Solanum</i> (nightshade), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum melongena</i> (terung, aubergine, eggplant), <i>Solanum</i> (nightshade), <i>Solanum nigrum</i> (leunca,</p>		New Zealand

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			black nightshade), <i>Solanum tuberosum</i> (kentang, potato), <i>Sonchus arvensis</i> (perennial sowthistle), <i>Tagetes minuta</i> (stinking Roger), <i>Taraxacum officinale complex</i> (dandelion), <i>Trifolium</i> spp., (clovers), <i>Triticum aestivum</i> (gandum, wheat), <i>Tulipa</i> spp. (tulip), <i>Xanthium strumarium</i> (common cocklebur), <i>Zea mays</i> (jagung, corn, maize)		
12.	<i>Ditylenchus dipsaci</i> (Kuhn, 1857) Filip'ev, 1936; (Syn. <i>Anguillula devastatrix</i> Kühn, 1869, <i>Anguillula dipsaci</i> Kühn, 1857, <i>Anguillula secalis</i> Nitschke, 1868, <i>Anguillulina dipsaci</i> (Kühn, 1857) Gervais & Van Beneden, 1859, <i>Anguillulina dipsaci</i> var. <i>communis</i> Steiner & Scott, 1935, <i>Ditylenchus allocotus</i> (Steiner, 1934) Filip'ev & Sch. Stek., 1, <i>Ditylenchus amsinckiae</i>	II	<i>Abrosia</i> spp., <i>Allium</i> spp., <i>Allium ascalonicum</i> (bawang merah, shallot), <i>Allium cepa</i> (bawang bombai, onion), <i>Allium cepa</i> var. <i>aggregatum</i> (bawang merah, shallot), <i>Allium cepa</i> (bawang bombai, onion), <i>Allium fistulosum</i> (bawang daun, welch onion), <i>Allium porrum</i> (bawang daun, leek), <i>Allium</i>	batang (stems (above ground), shoots, trunks, branches), bibit (seedlings, micropropagate d plants), biji (true seeds, grain), buah (fruits, pods), bunga (flowers,	Africa: Algeria, Kenya, Morocco, Nigeria, Réunion, South Africa, Tunisia America: Argentina, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, Haiti, Mexico, Paraguay, Peru, USA

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	<p>(Steiner &amp; Scott, 1935) Filip'ev &amp; Sch. <i>Ditylenchus dipsaci</i> var. <i>tobaensis</i> Schneider, 1937, <i>Ditylenchus fragariae</i> Kir'yanova, 1951, <i>Ditylenchus sonchophila</i> Kir'yanova, 1958, <i>Ditylenchus trifolii</i> Skarbilovich, 1958, <i>Tylenchus allii</i> Beijerinck, 1883, <i>Tylenchus devastator</i>, <i>Tylenchus devastatrix</i> (Kühn) Oerley, <i>Tylenchus dipsaci</i> (Kühn, 1857) Bastian, 1865, <i>Tylenchus havensteinii</i> Kühn, 1881, <i>Tylenchus hyacinthi</i> Prillieux, 1881, <i>Tylenchus putrefaciens</i> Kühn, 1879); Anguinidae; bulb eelworm, nematoda umbi/brown ring disease of hyacinth, onion bloat, ring disease of bulbs, stem and bulb nematode</p>		<p><i>sativum</i> (bawang putih, garlic), <i>Agropiron</i> spp., <i>Apium graveolens</i> (seledri, celery), <i>Astrantia</i>, <i>Avena sativa</i> (oat, oats), <i>Avena</i> spp., <i>Begonia</i>, <i>Bergenia</i> (elephant-leaved saxifrage), <i>Beta vulgaris</i> var. <i>saccharifera</i> (bit gula, sugar beet), <i>Brassica napus</i> var. <i>napus</i> (rape), <i>Brassica rapa</i> subsp. <i>rapa</i> (turnip), <i>Cannabis sativa</i> (hemp), <i>Carduus acanthoides</i> (welted thistle), <i>Crocus sativus</i> (kuma-kuma, saffron), Cucurbitae, <i>Chenopodium murale</i> (nettleleaf goosefoot), <i>Cirsium arvense</i> (creeping thistle), <i>Cirsium arvense</i> (creeping thistle), <i>Convolvulus arvensis</i> (bindweed), <i>Chrysanthemum</i> spp., <i>Crocus sativus</i> (kuma-</p>	<p>inflorescences, cones, calyx), daun (leaves), stolon (stolons), umbi (bulbs, tubers, corms, rhizomes)</p>	<p>(Hawaii), Uruguay, Venezuela Asia: Armenia, Azerbaijan, China, Georgia, Iran, Iraq, Israel, Japan, Jordan, Kazakhstan, Kyrgyzstan, Oman, Pakistan, Republic of Korea (South Korea), Syria, Turkey, Uzbekistan, Yemen Europe: Albania, Austria, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, North Macedonia, Malta, Moldova,</p>



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			kuma, safron, saffron), Cucurbitae, <i>Daucus carota</i> (wortel, carrot), <i>Delpinium</i> spp., <i>Dianthus caryophyllus</i> (anyelir, carnation), <i>Erigeron</i> spp., <i>Fragaria</i> <i>ananassa</i> (stroberi, strawberry), <i>Gladiolus</i> <i>hybrids</i> (sword lily), <i>Helianthus annuus</i> (bunga matahari, sunflower), <i>Hieracium pilosella</i> (mouse- ear hawkweed), <i>Hyacinthes</i> spp., <i>Hyacinthus orientalis</i> (hyacinth), <i>Hydrangea</i> (hydrangeas), <i>Iris</i> spp., <i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Lamium</i> <i>album</i> (white deadnettle), <i>Lamium amplexicaule</i> (henbit deadnettle), <i>Lamium</i> <i>purpureum</i> (purple deadnettel), <i>Lens culinaris</i> ssp. <i>culinaris</i> (lentil, lentil), <i>Medicago sativa</i> (alfalfa,		Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovenia, Slovakia, Spain, Sweden, Switzerland, Ukraine, United KingdomOceania: Australia, New Zealand

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			lucerne), <i>Myriophyllum verticillatum</i> (whorled watermilfoil), <i>Narcissus</i> (daffodil), <i>Narcissus pseudonarcissus</i> (wild lent lily), <i>Nerine sarniensis</i> (guernsey lily), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Onobrychis viciifolia</i> (sainfoin), Orchidaceae (anggrek, orchids), <i>Petroselinum crispum</i> (parslei, parsley), Phaseolus (beans), <i>Phaseolus coccineus</i> (runner bean), <i>Phlox drummondii</i> (phlox), <i>Phlox paniculata</i> (garden phlox), <i>Pilosella officinarum</i> (mouse-ear hawkweed), <i>Pimpinella anisum</i> (aniseed), <i>Pisum sativum</i> (kapri, sweet pea), Polyphagous (polyphagous), <i>Plantago</i> spp., <i>Raphanus sativus</i> (lobak, radish),		

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			<p><i>Ranunculus arvensis</i> (corn buttercup), <i>Raphanus raphanistrum</i> (wild radish), <i>Secale cereale</i> (rye), <i>Solanum tuberosum</i> (kentang, potato), <i>Spinacia oleracea</i> (bayam, spinach), <i>Stellaria media</i> (common chickweed), <i>Tagetes</i> spp., <i>Taraxacum officinale</i> complex (dandelion), <i>Trifolium</i> spp., <i>Trifolium pratense</i> (purple clover), <i>Trifolium repens</i> (white clover), <i>Triticum</i> (gandum, wheat), <i>Tulipa</i> spp., <i>Vicia faba</i> (broad bean), <i>Zea mays</i> (jagung, corn, maize)</p>		
13.	<p><i>Globodera pallida</i> Stone 1973; (Syn. <i>Globodera pallida</i> (Stone, 1973) Behrens, 1975, <i>Heterodera pallida</i> Stone, 1973); Heteroderidae; white cyst nematode, white potato cyst nematode, pale potato cyst nematode,</p>	I	<p><i>Datura</i> (thorn-apple), <i>Datura stramonium</i> (kecubung, jimsonweed), <i>Hyoscyamus niger</i> (black henbane), <i>Lycopersicon pimpinellifolium</i> (currant tomato), <i>Oxalis tuberosa</i>,</p>	akar (roots), bibit (seedlings, micropropagated plants), media tanam yang melekat pada tanaman	Africa: Algeria, Canary Islands, Kenya, Tunisia America: Argentina, Bolivia, Canada, Chile, Colombia, Costa Rica, Ecuador, Falkland Islands, Panama, Peru,

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	potato cyst nematode, potato root eelworm		<i>Solanum acaule</i> , <i>Solanum americanum</i> , <i>Solanum aviculare</i> (kangaroo apple), <i>Solanum cardiophyllum</i> , <i>Solanum ehrenbergii</i> , <i>Solanum gilo</i> (gilo), <i>Solanum indicum</i> , <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum marginatum</i> (white-edged nightshade), <i>Solanum mauritianum</i> (tree tobacco), <i>Solanum melongena</i> (terung, aubergine, eggplant), <i>Solanum muricatum</i> (melon pear), <i>Solanum nigrum</i> (leunca, black nightshade), <i>Solanum oplocense</i> , <i>Solanum quitoense</i> (naranjilla), <i>Solanum sarrachoides</i> (green nightshade), <i>Solanum scabrum</i> , <i>Solanum spegazzinii</i> , <i>Solanum tuberosum</i> (kentang, potato)	(growing media associated with plants), tanah (soil), umbi (bulbs, tubers, corms, rhizomes)	USA, Venezuela Asia: India, Iran, Japan, Pakistan, Turkey Europe: Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Faroe Islands, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Moldova, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Spain, Slovenia, Sweden, Switzerland, United Kingdom, Ukraine Oceania: New Zealand

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14.	<p><i>Globodera tabacum</i> (Lownsbery &amp; Lownsbery) Behrens, 1975; (Syn. <i>Globodera tabacum</i> (Lownsbery &amp; Lownsbery, 1954) Mulvey &amp; Stone, 1976, <i>Heterodera tabacum</i> Lownsbery &amp; Lownsbery, 1954); Heteroderidae; tobacco cyst nematode</p>	I	<p><i>Nicotiana rustica</i> (wild tobacco), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Solanum gilo</i> (gilo), <i>Solanum indicum</i>, <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum mauritianum</i> (tree tobacco), <i>Solanum melongena</i> (terung, aubergine, eggplant), <i>Solanum nigrum</i> (leunca, black nightshade), <i>Solanum quitoense</i> (naranjilla), <i>Solanum tuberosum</i> (kentang, potato)</p>	<p>akar (roots), tanah (soil), umbi (bulbs, tubers, corms, rhizomes), media tanam yang melekat pada tanaman (growing media associated with plants)</p>	<p>Africa: Madagascar, Morocco America: Argentina, Canada, Colombia, Mexico, USA Asia: China, Georgia, Japan, Kazakhstan, Kyrgyzstan, Pakistan, Republic of Korea (South Korea), Tajikistan, Turkmenistan, Uzbekistan Europe: Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Estonia, France, Greece, Italy, Latvia, Lithuania, North Macedonia, Moldova, Montenegro, Ukraine, Russian Federation, Serbia, Slovenia, Spain,</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
					Russian Federation, Ukraine
15.	<i>Hemicycliophora arenaria</i> Raski, 1958; Criconematidae; sheath nematode	II	<i>Apium graveolens</i> (seledri, celery), <i>Capsicum annuum</i> (cabai besar, paprika, bell pepper, hot pepper, red pepper, chili), <i>Capsicum</i> <i>frustecens</i> (chili), <i>Citrus</i> <i>aurantiifolia</i> (jeruk nipis, lime), <i>Citrus limettioides</i> (palestine sweet lime), <i>Citrus limonia</i> (mandarin lime), <i>Citrus jambhiri</i> , <i>Citrus</i> <i>macrophylla</i> (alemow), <i>Citrus reticulata</i> (jeruk mandarin, mandarin), <i>Citrus taiwanica</i> (nanshodaidai), <i>Cucurbita</i> <i>maxima</i> (waluh, labu parang, pumpkin), <i>Cucurbita moschata</i> (pumpkin), <i>Cucurbita</i> <i>palmate</i> (Coyote melon), <i>Hymenoclea salsola</i> (cheesebush), <i>Libocedrus</i>	akar (roots), bibit (seedlings, micropropagate d plants), tanah (soil), media tanam yang melekat pada tanaman (growing media associated with plants)	America: Argentina, Brazil, USA Oceania: Australia

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			<i>chilensis</i> (chilean cedar), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Vigna unguiculata</i> (kacang panjang, cowpea), <i>Vigna cylindrical</i> (kacang tunggak, long bean), <i>Vitis vinifera</i> (anggur, grapevine)		
16.	<i>Heterodera avenae</i> Wollenweber, 1924; (Syn. <i>Bidera avenae</i> (Wollenweber, 1924) Krall & Krall, 1978, <i>Bidera ustinovi</i> (Kirjanova, 1969) Krall & Krall, 1978, <i>Heterodera major</i> (Schmidt) Franklin, <i>Heterodera schachtii</i> maior (O. Schmidt, 1930), <i>Heterodera schachtii</i> var. <i>avenae</i> Wollenweber, 1924, <i>Heterodera ustinovi</i> Kirjanova, 1969); Heteroderidae; cereal cyst nematode, cereal cyst eelworm, oat cyst nematode, oat root eelworm	I	<i>Avena sativa</i> (oat, oats), <i>Hordeum vulgare</i> (barli, barley), Poaceae (grasses), <i>Secale cereale</i> (rye), <i>Triticale</i> spp., <i>Triticum</i> (wheat), <i>Triticum aestivum</i> (gandum, wheat), <i>Zea mays</i> (jagung, corn, maize)	akar (roots), bibit (seedlings, micropropagate d plants), biji (true seeds, grain), tanah (soil), media tanam yang melekat pada tanaman (growing media associated with plants), umbi (tubers, corms, rhizomes)	Africa: Algeria, Egypt, Libya, Morocco, South Africa, Tunisia America: Canada, Peru, USA Asia: China, India, Iran, Israel, Japan, Kazakhstan, Pakistan, Saudi Arabia, Syria, Turkey Europe: Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, France,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
					Germany, Greece, Ireland, Italy, Latvia, Montenegro, North Macedonia, Malta, Netherlands, Norway, Poland, Portugal, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom, Ukraine Oceania: Australia, New Zealand
17.	<i>Heterodera carotae</i> Jones; Heteroderidae; carrot cyst nematode, carrot cyst eelworm, carrot root eelworm	I	<i>Daucus carota</i> (wortel, carrot), <i>Olea europaea</i> subsp. <i>europaea</i> (zaitun, olive)	akar (roots), bibit dengan akar (seedlings with root), media tanam yang melekat pada tanaman (growing media associated with plants), umbi (tubers, corms,	America: USA Asia: Georgia Europe: Armenia, Azerbaijan, Belarus, Estonia, France, Germany, Italy, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Moldova, Poland, Portugal, Russian Federation,



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				rhizomes), tanah (soil), umbi (bulbs, tubers, corms, rhizomes)	Tajikistan, Turkmenistan, Ukraine, United Kingdom, Uzbekistan, Switzerland
18.	<i>Heterodera cruciferae</i> Franklin, 1945; (Syn. <i>Heterodera (Heterodera)</i> <i>cruciferae</i> Franklin, 1945 (Skarbilovich, 1959); Heteroderidae; cabbage cyst nematode, crucifer cyst nematode	I	<i>Brassica oleracea</i> var. <i>botrytis</i> (bunga kol, cauliflower), <i>Brassica</i> <i>oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Brassica</i> <i>napus</i> var. <i>napobrassica</i> (swede), <i>Brassica napus</i> var. <i>napus</i> (rape), Cruciferae, <i>Raphanus</i> <i>sativus</i> (lobak, radish)	akar (roots), media tanam yang melekat pada tanaman (growing media associated with plants), tanah (soil), umbi (tubers, corms, rhizomes)	America: California Asia: Pakistan, Georgia Europe: Albania, Andorra, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxemburg, Malta, Republic of Moldova, Monaco, Montenegro, Netherlands, North Macedonia, Norway,

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					Poland, Portugal, Romania, Russian Federation, San Marino, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia
19.	<i>Heterodera goettingiana</i> Liebscher, 1892; (Syn. <i>Heterodera göttingiana</i> Liebscher 1892); Heteroderidae; pea cyst nematode, pea cyst eelworm, pea root eelworm	I	<i>Cicer arietinum</i> (kacang arab, chickpea), <i>Glycine max</i> (kedelai, soyabean), <i>Lathyrus cicera</i> (flat-podded vetchling), <i>Lathyrus odoratus</i> (sweet pea), <i>Lathyrus sativus</i> (grasspea), <i>Lens esculentum</i> (lentil, lentil), <i>Lens culinaris</i> subsp. <i>culinaris</i> (lentil), <i>Lupinus albus</i> (white lupine), <i>Lupinus luteus</i> (yellow lupin), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Pisum sativum</i> (kapri, sweet pea), <i>Vicia</i> (vetch), <i>Vicia</i>	akar (roots), batang (stems (above ground), shoots, trunks, branches), bibit (seedlings, micropropagate d plants), media tanam yang melekat pada tanaman (growing media associated with plants), polong dalam tanah (pods in the	Africa: Algeria America: USA Asia: China, Georgia, Iran, Israel, Japan, Jordan, Kazakhstan, Kyrgyzstan, Turkey, Tajikistan, Turkmenistan, Uzbekistan Europe: Armenia, Azerbaijan, Belgium, Bulgaria, Belarus, Estonia, France, Germany, Italy, Latvia, Lithuania, Malta, Moldova, Netherlands,

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			<i>benghalensis</i> (purple vetch), <i>Vicia calcarata</i> , <i>Vicia cracca</i> (Tufted vetch), <i>Vicia ervilia</i> (Bitter vetch), <i>Vicia faba</i> (kacang babi, faba bean)	ground), tanah (soil), umbi (bulbs, tubers, corms, rhizomes)	Poland, Portugal, Russian Federation, Slovenia, Spain, United Kingdom, Ukraine
20.	<i>Heterodera oryzicola</i> Rao & Jayaprakash 1978a; Heteroderidae; rice cyst nematode, paddy cyst nematode	I	<i>Brachiara decumbens</i> , <i>Cynodon dactylon</i> (bermuda grass, rumput bermuda), <i>Musa</i> spp. (pisang, banana), <i>Musa paradisiaca</i> (pisang, plantain), <i>Oryza sativa</i> (padi, paddy, rice), <i>Urochloa</i> <i>decumbens</i> (signal grass)	akar (roots), bibit (seedlings, micropropagate d plants), kormus (corms), media tanam yang melekat pada tanaman (growing media associated with plants), tanah (soil)	Africa: Ivory Coast Asia: India
21.	<i>Heterodera sacchari</i> Luc & Merny, 1963; Heteroderidae; sugarcane cyst nematode	I	<i>Axonopus compressus</i> (carpet grass), <i>Cynodon</i> <i>dactylon</i> (Bermuda grass, rumput bermuda), <i>Echinochloa colona</i> (junglerice), <i>Eleusine indica</i> (goose grass), <i>Nicotiana</i>	akar (roots), bibit (seedlings, micropropagate d plants), media tanam yang melekat pada tanaman	Africa: Benin, Burkina Faso, Chad, Congo, Ivory Coast, Gambia, Ghana, Liberia, Nigeria, Senegal Asia: India, Pakistan, Thailand

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			<i>tabacum</i> (tembakau, tobacco), <i>Oryza sativa</i> (padi, paddy, rice), <i>Paspalum conjugatum</i> (sour paspalum), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Saccharum spontaneum</i> (wild sugarcane), <i>Urochloa brizantha</i> (palisadegrass), <i>Zea mays</i> (jagung, corn, maize)	(growing media associated with plants), tanah (soil), umbi (bulbs, tubers, corms, rhizomes)	
22.	<i>Heterodera schachtii</i> A. Schmidt, 1871; (Syn. <i>Heterobolbus schachtii</i> (Schmidt, 1871) Railliet, 1896, <i>Heterodera schachtii minor</i> O. Schmidt, 1930, <i>Tylenchus schachtii</i> (Schmidt, 1871) Oerley, 1880); Heteroderidae; beet cyst eelworm, sugar beet nematode	I	<i>Alliaria petiolata</i> (garlic mustard), <i>Alyssum argentium</i> , <i>Amaranthus</i> spp., <i>Amaranthus carneus</i> , <i>Amaranthus caudatus</i> (Love-lies-bleeding), <i>Amaranthus graecizans</i> (prostrate pigweed), <i>Amaranthus hybridus</i> (smooth pigweed), <i>Amaranthus palmeri</i> (Palmer amaranth), <i>Amaranthus quitensis</i> ,	akar (roots), batang di atas tanah (stems (above ground), shoots, trunks, branches), bibit (seedlings, micropropagate d plants) media tanam yang melekat pada tanaman (growing media	Africa: Algeria, Cape Verde, Canary Islands, Egypt, Gambia, Libya, Morocco, Senegal, South Africa, Tunisia America: Canada, Chile, Mexico, Peru, USA, Uruguay Asia: Azerbaijan, China, Iran, Iraq, Israel, Japan, Jordan, Kazakhstan, Kyrgyzstan, Pakistan,

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			<p><i>Apium dulce</i>, <i>Arabis</i> spp., <i>Arabis alpina</i>, <i>Arabis</i> <i>arenosa</i>, <i>Arabis caucasica</i> (snow-in-summer), <i>Arabis</i> <i>hirsuta</i> (hairy rock-cress (UK)), <i>Arabis muralis</i>, <i>Arabis</i> <i>perfoliata</i>, <i>Arabis turrita</i> (tower rockcress), <i>Arabis</i> <i>verna</i>, <i>Armoracia rusticana</i> (horseradish), <i>Atriplex</i> spp., <i>Atriplex confertifolia</i> (shadscale saltbush), <i>Atriplex hastata</i>, <i>Atriplex</i> <i>hortensis</i> (garden orache), <i>Atriplex littoralis</i> (grass- leaved orache), <i>Atriplex</i> <i>patula</i> (common orache), <i>Atriplex rosea</i> (red orach (USA)), <i>Aubrieta</i> spp. (rainbow rock-cress), <i>Aubrieta columnae</i>, <i>Alyssum</i> <i>argentium</i>, <i>Beta</i> spp., <i>Beta</i> <i>atriplicifolia</i>, <i>Beta</i> <i>corolliflora</i>, <i>Beta foliosa</i>, <i>Beta intermedia</i>, <i>Beta</i></p>	<p>associated with plants), tanah (soil), umbi (bulbs, tubers, corms, rhizomes)</p>	<p>Syria, Turkey Europe: Albania, Austria, Belgium, Bulgaria, Bosnia and Herzegovina, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Moldova, Montenegro, Netherlands, North Macedonia, Poland, Portugal, Romania, Russian Federation Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom, Ukraine Oceania: Australia, New Zealand</p>

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			<p><i>lomatogona</i>, <i>Beta macrocarpa</i>, <i>Beta macrorhiza</i>, <i>Beta nana</i>, <i>Beta patellaris</i>, <i>Beta trigyna</i>, <i>Beta vulgaris</i> (bit, beetroot), <i>Beta vulgaris</i> subsp. <i>maritima</i> (sea beet (UK)), <i>Beta vulgaris</i> var. <i>saccharifera</i> (bit gula, sugar beet), <i>Brassica</i> spp., <i>Brassica cernua</i>, <i>Brassica juncea</i> var. <i>juncea</i> (Indian mustard), <i>Brassica napus</i> var. <i>napobrassica</i> (swede), <i>Brassica napus</i> var. <i>napus</i> (rape), <i>Brassica nigra</i> (black mustard), <i>Brassica oleracea</i> (cabbages, cauliflowers), <i>Brassica oleracea</i> var. <i>viridis</i> (collards), <i>Brassica rapa</i> subsp. <i>oleifera</i> (turnip rape), <i>Chenopodium</i> (goosefoot), <i>Dianthus</i> spp., <i>Dianthus barbatus</i> (sweet williams), <i>Dianthus</i></p>		

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			<p><i>caryophyllus</i> (carnation),  <i>Dianthus deltoides</i> (maiden pink),  <i>Dianthus plumarius</i> (common pink),  <i>Fallopia convolvulus</i> (black bindweed),  <i>Gypsophila acutifolia</i>,  <i>Gypsophila elegans</i> (baby's breath),  <i>Oryza sativa</i> (padi, paddy, rice),  <i>Phaseolus vulgaris</i> (buncis, common bean),  <i>Phytolacca acinosa</i> (Indian pokeweed),  <i>Pisum sativum</i> (kapri, sweet pea),  <i>Polygonum</i> spp.,  <i>Polygonum convolvulus</i> (black bindweed),  <i>Portulaca oleracea</i> (purslane),  <i>Raphanus maritimus</i>,  <i>Raphanus raphanistrum</i> (wild radish),  <i>Raphanus sativus</i> (lobak, radish),  <i>Rheum hybridum</i> (rhubarb),  <i>Rorippa amphibia</i> (great yellowcress),  <i>Rorippa</i></p>		

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			<p><i>islandica</i> (yellow marshcress), <i>Rumex</i> spp., <i>Rumex acetosa</i> (sour dock), <i>Rumex acetosella</i> (sheep's sorrel), <i>Rumex alpinus</i> (alpine dock), <i>Rumex hydrolapathum</i> (water dock), <i>Rumex maritimus</i> (golden dock), <i>Rumex palustris</i>, <i>Rumex patienta</i>, <i>Rumex sanguineus</i> (red-veined dock), <i>Saponaria ocymoides</i> (rock soapwort), <i>Saponaria officinalis</i> (soapwort), <i>Sesbania exaltata</i> (coffeebean (USA)), <i>Sesbania macrocarpa</i>, <i>Silene armeria</i> (garden catchfly), <i>Silene maritima</i>, <i>Silene nutans</i> (nottingham catchfly (UK)), <i>Silene quadrifida</i>, <i>Silene saxifraga</i>, <i>Sinapis arvensis</i> (wild mustard), <i>Sinapis eruca</i>, <i>Sisymbrium</i> spp.,</p>		



No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			<p><i>Sisymbrium austriacum</i>,  <i>Sisymbrium irio</i>,  <i>Sisymbrium loeselii</i>,  <i>Sisymbrium officinale</i>                      (Hedge mustard),  <i>Sisymbrium orientale</i>                      (eastern rocket (UK)),  <i>Solanum sarrachoides</i>                      (green nightshade (UK)),  <i>Spinacia glabra</i>, <i>Spinacia</i>  <i>oleracea</i> (spinach), <i>Stellaria</i>  <i>media</i> (common chickweed),  <i>Tetragonia tetragonoides</i>                      (New Zealand spinach),  <i>Thlaspi arvense</i> (field                      pennycress), <i>Tropaeolum</i>  <i>perigrinum</i>, turfgrasses,  <i>Vaccaria hispanica</i> (bladder                      soapwort), <i>Vicia</i>  <i>benghalensis</i> (purple vetch),  <i>Vigna</i> spp. (buncis,                      cowpea), <i>Vigna catjang</i></p>		
23.	<p><i>Heterodera trifolii</i> Goffart;                      Heteroderidae;                      clover cyst nematode, clover cyst</p>	I	<p><i>Beta vulgaris</i> var.  <i>saccharifera</i> (bit gula, sugar                      beet), <i>Dianthus caryophyllus</i></p>	akar (roots), bibit (seedlings, micropropagate	Africa: Tunisia America: Argentina, Canada, Chile,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	eelworm		(anyelir, carnation), Fabaceae, Poaceae (grasses), <i>Solanum tuberosum</i> (kentang, potato), <i>Trifolium</i> spp. (clovers), <i>Trifolium pratense</i> (purple clover), <i>Trifolium repens</i> (white clover)	d plants), media tanam yang melekat pada tanaman (growing media associated with plants), tanah (soil), umbi (bulbs, tubers, corms, rhizomes)	Colombia, USA Asia: Georgia, India, Iran, Israel, Japan, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan Europe: Armenia, Azerbaijan, Belarus, Belgium, Bulgaria, Denmark, Estonia, France, Germany, Italy, Latvia, Lithuania, Moldova, Netherlands, Poland, Russian Federation, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand
24.	<i>Heterodera vigni</i> Edward & Misra, 1968; (Syn. <i>Heterodera cajani</i> Koshy, 1967); Heteroderidae;	I	<i>Cajanus cajan</i> (kacang gude, pigeon pea), <i>Crotalaria juncea</i> (cascavelle), <i>Cyamopsis</i>	akar (roots), media tanam yang melekat pada tanaman	Africa: Egypt Asia: India, Myanmar, Pakistan

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	cowpea cyst nematode, pigeon pea cyst nematode		<i>tetragonoloba</i> (guar bean), <i>Lablab purpureus</i> (banner bean), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Pisum sativum</i> (kapri, sweet pea), <i>Rhynchosia</i> , <i>Sesamum indicum</i> (wijen, sesame), <i>Sesamum malabaricum</i> , <i>Sesbania cannabina</i> (corkwood tree), <i>Vigna</i> spp. (buncis, cowpea), <i>Vigna aconitifolia</i> (moth bean), <i>Vigna mungo</i> (black gram), <i>Vigna radiata</i> (kacang hijau, mungbean), <i>Vigna unguiculata</i> (cowpea), <i>Vigna sinensis</i> (kacang panjang, cowpea), <i>Vigna cylindrica</i> (kacang tunggak, long bean)	(growing media associated with plants), tanah (soil)	
25.	<i>Heterodera zeae</i> Koshy et al., 1971; Heteroderidae; corn cyst nematode	I	<i>Avena sativa</i> (oat, oats), <i>Hordeum vulgare</i> (barli, barley), <i>Oryza sativa</i> (padi, paddy, rice), Poaceae (grasses), <i>Setaria italica</i> (foxtail millet), <i>Sorghum</i>	akar (roots), bibit (seedlings, micropropagate d plants), media tanam yang melekat pada	Africa: Egypt America: USA Asia: Afghanistan, India, Iran, Iraq, Nepal, Pakistan, Thailand Europe: Greece,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<i>bicolor</i> (sorgum, sorghum), <i>Sorghum sudanense</i> (Sudan grass), <i>Triticum aestivum</i> (gandum, wheat), <i>Zea mays</i> (jagung, corn, maize), <i>Zea mays</i> subsp. <i>mexicana</i> (teosinte)	tanaman (growing media associated with plants), tanah (soil)	Portugal
26.	<i>Hirschmanniella miticausa</i> Bridge, Mortimer & Jackson, 1983; Pratylenchidae; miti miti disease	II	<i>Colocasia esculenta</i> (talas, taro)	akar (roots), bibit (seedlings), kormus (corms), tanah (soil), umbi (tubers)	Oceania: Papua New Guinea, Solomon Islands
27.	<i>Hirschmanniella spinicaudata</i> (Schuurmans Stekhoven, 1944) Luc & Goodey; (Syn. <i>Hirschmannia spinicaudata</i> (Schuurmans Stekhoven, 1944) Luc & Goodey, 1962, <i>Radopholus lavabri</i> Luc, 1957, <i>Tylenchorhynchus spinicaudatus</i> Schuurmans Stekhoven, 1944); Pratylenchidae; rice root tip nematode, root lesion nematode	II	Cyperaceae (sedges), Cyperus (flatsedge), <i>Fimbristylis dichotoma</i> (tall fringe rush), <i>Juncus</i> (rushes), <i>Oryza</i> <i>longistaminata</i> (perennial wild rice), <i>Oryza sativa</i> (padi, paddy, rice), Poaceae (grasses), <i>Saccharum</i> <i>officinarum</i> (tebu, sugarcane), Typha (reedmace)	akar (roots), bibit (seedlings/micr opropagated plants), media tanam yang melekat pada tanaman (growing media associated with plants), tanah (soil), umbi	Africa: Benin, Burkina Faso, Cameroon, Congo Democratic Republic, Ivory Coast, Gambia, Ghana, Nigeria, Senegal, South Africa, Togo, Zambia America: Brazil, Costa Rica, Cuba, USA, Venezuela Asia: China, Pakistan

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
				(tubers/corms/ rhizomes)	
28.	<i>Hoplolaimus columbus</i> Sher, 1963; (Syn. <i>Basirolaimus colombus</i> (Sher), <i>Hoplolaimus colombuson</i> ); Hoplolaimidae; coltuber/Columbia lance nematode	II	<i>Cyperus esculentus</i> (yellow nutsedge), <i>Cynodon dactylon</i> (bermuda grass, rumput bermuda), <i>Glycine max</i> (kedelai, soyabean), <i>Gossypium barbadens</i> (kapas, cotton), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Triticum aestivum</i> (gandum, wheat), <i>Zea mays</i> (jagung, corn, maize)	akar (roots), bibit (seedlings/ micropropagate d plants), media tanam yang melekat pada tanaman (growing media associated with plants), stek berakar (cuttings with root), tanah (soil)	Africa: Egypt America: USA, Trinidad and Tobago Asia: India, Pakistan
29.	<i>Hoplolaimus galeatus</i> (Cobb, 1913) <u>Thorne</u> ,1935; (Syn. <i>Nemonchus galeatus</i> Cobb, 1913, <i>Hoplolaimus coronatus</i> Cobb, 1923, <i>Hoplolaimus tylenchiformis</i> Andrassy, 1958); Hoplolaimidae; lance nematode	II	<i>Diospyros kaki</i> (kesemek, persimmon), <i>Arachis hypogea</i> (kacang tanah, peanut), <i>Brassica oleracea var. capitata</i> (kubis, cabbage), <i>Bambusa</i> (bambu, bamboo), <i>Borrchia frutescens</i> (sea-oxeye), <i>Citrus sinensis</i> (jeruk	akar (roots), bibit (seedlings/micr opropagated plants), media tanam yang melekat pada tanaman (growing media	America: USA, Canada Asia: Pakistan

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			manis, navel orange), <i>Cynodon dactylon</i> (rumput bermuda, bermuda grass), <i>Glycine max</i> (kedelai, soyabean), <i>Gossypium</i> (kapas, cotton), <i>Poa annua</i> (annual meadowgrass), <i>Poaceae</i> (grasses), <i>Malus domestica</i> (apel, apple), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Musa</i> (pisang, banana), <i>Sansevieria trifasciata</i> (snake plant), <i>Stenotaphrum secundatum</i> (buffalograss), <i>Trifolium</i> spp. (clovers), <i>Zea mays</i> (jagung, corn, maize)	associated with plants), stek berakar (cuttings with root), tanah (soil)	
30.	<i>Hoplolaimus indicus</i> Sher, 1963; (Syn. <i>Basirolaimus arachidis</i> (Maharaju & Das, 1982) Siddiqi, 1986, <i>Basirolaimus indicus</i> , <i>Hoplolaimus arachidis</i> (Sher, 1963) Shamsi, 1979, <i>Hoplolaimus arachidis</i> Maharaju & Das, 1982); Hoplolaimidae;	II	<i>Abelmoschus esculentus</i> (okra), <i>Abelmoschus moschatus</i> (okra, lady's finger), <i>Anacardium occidentale</i> (cashew nut), <i>Arachys hypogaea</i> (kacang tanah, peanut), <i>Basella</i> spp., <i>Brassica oleracea</i> var.	akar (roots), media tanam yang melekat pada tanaman (growing media associated with plants), kormus (corms), tanah	Asia: Bangladesh, China, India, Iran, Pakistan

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	lance nematode		<i>botrytis</i> (bunga kol, cauliflower), <i>Brassica oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Cajanus cajan</i> (kacang gude, pigeon pea), <i>Capsicum annuum</i> (cabai besar, paprika, bell pepper, hot pepper, red pepper, chili), <i>Capsicum frutescens</i> (chilli), <i>Chrysanthemum</i> spp. (krisan, chrysant), <i>Citrus jambhiri</i> (rough lemon), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Cyamopsis tetragonoloba</i> (guar bean), <i>Cynodon dactylon</i> (Bermuda grass), <i>Eleusine coracana</i> (finger millet), <i>Gossypium</i> (cotton), <i>Gossypium barbadens</i> (kapas, cotton), <i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Mangifera indica</i> (mangga, mango), <i>Musa</i>	(soil), umbi (bulbs, tubers, rhizomes)	

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			<p>spp. (pisang, banana),  <i>Oryza sativa</i> (padi, paddy,  rice), <i>Pennisetum glaucum</i>  (pearl millet), <i>Pinus</i>  <i>roxburghii</i> (chir pine), <i>Pisum</i>  <i>sativum</i> (kapri, sweet pea),  <i>Poncirus trifoliata</i> (Trifoliolate  orange), <i>Prunus persica</i>  (persik, peach), <i>Psidium</i>  spp., <i>Raphanus sativus</i>  (lobak, radish), <i>Saccharum</i>  <i>officinarum</i> (tebu,  sugarcane), <i>Senna siamea</i>  (siamese cassia), <i>Solanum</i>  <i>lycopersicum</i> (tomat,  tomato), <i>Solanum</i>  <i>melongena</i> (terung,  aubergine, eggplant),  <i>Solanum tuberosum</i>  (kentang, potato), <i>Sorghum</i>  <i>bicolor</i> (sorgum, sorghum),  <i>Trifolium alexandrinum</i>  (Berseem clover), <i>Triticum</i>  <i>aestivum</i> (gandum, wheat),  <i>Vigna mungo</i> (black gram),</p>		



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			<i>Vigna radiata</i> (kacang hijau, mungbean), <i>Vigna cylindrica</i> (kacang tunggak, long bean), <i>Vigna unguiculata</i> (cowpea), <i>Zea mays</i> (jagung, corn, maize)		
31.	<i>Hoplolaimus pararobustus</i> (Sch. Stek. & Teun., 1938) Sher in Coomans, 1963; (Syn. <i>Gottholdsteineria pararobusta</i> (Sch. Stek. & Teun., 1938) Andrásy, 1958, <i>Hoplolaimus angustulatus</i> Whitehead, 1959, <i>Hoplolaimus capensis</i> Van den Berg & Heyns, 1970, <i>Hoplolaimus casparus</i> Van den Berg & Heyns, 1970, <i>Hoplolaimus kittenbergeri</i> Andrásy, 1961, <i>Hoplolaimus pararobustus</i> (Sch. Stek. & Teun., 1938) Sher, 1963, <i>Hoplolaimus proporicus</i> Goodey, 1957, <i>Rotylenchus pararobustus</i> (Sch. Stek. & Teun., 1938) Filipjev & Sch. Stek., 1941, <i>Tylenchorhynchus pararobustus</i> Schuurmans Stekhoven & Teunissen, 1938);	II	<i>Ananas comosus</i> (nanas, pineapple), <i>Camellia sinensis</i> (teh, tea), <i>Carica papaya</i> (pepaya, papaya), Citrus, <i>Coffea</i> spp. (kopi, coffee), <i>Coffea arabica</i> (kopi arabika, arabica coffee), <i>Digitaria abyssinica</i> (East African couchgrass), <i>Dioscorea</i> spp., <i>Elaeis guineensis</i> (kelapa sawit, oil palm), <i>Eleusine coracana</i> (finger millet), <i>Gossypium hirsutum</i> (bourbon cotton), <i>Mangifera indica</i> (mangga, mango), <i>Musa</i> spp. (pisang, banana), <i>Oryza sativa</i> (padi, paddy, rice), <i>Psidium guajava</i> (jambu biji, guava),	akar (roots), media tanam yang melekat pada tanaman (growing media associated with plants), kormus (corms), tanah (soil), umbi (bulbs, tubers, rhizomes)	Africa: Angola, Burkina Faso, Cameroon, DR Congo, Egypt, Gambia, Guinea, Ivory Coast, Kenya, Madagascar, Malawi, Mozambique, Namibia, Niger, Nigeria, Réunion, Rwanda, Sao Tome and Principe, Senegal, South Africa, Tanzania, Togo, Uganda, Zimbabwe America: Dominica, Grenada, Saint Lucia, Saint Vincent and the Grenadines Asia: China, Pakistan, Sri Lanka

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	Hoplolaimidae; lance nematode		<i>Pueraria phaseoloides</i> (tropical kudzu), <i>Rosa</i> spp. (mawar, rose), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Theobroma cacao</i> (kakao, cocoa), <i>Triticum aestivum</i> (gandum, wheat), <i>Vigna cylindrica</i> (kacang tunggak, long bean), <i>Vigna unguiculata</i> (cowpea), <i>Vitis vinifera</i> (anggur, grapevine)		
32.	<i>Longidorus attenuatus</i> Hooper, 1961; Longidoridae; needle nematode	II	<i>Brassica</i> sp., <i>Beta vulgaris</i> var. <i>saccharifera</i> (bit gula, sugar beet), <i>Cucurbita</i> sp. (labu, pumpkin), <i>Daucus carota</i> (wortel, carrot), <i>Fragaria ananassa</i> (stroberi, strawberry), <i>Fragaria vesca</i> (wild strawberry), <i>Hordeum vulgare</i> (barli, barley), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Trifolium</i> sp.	akar (roots), stolon (stolons), tanah (soil), umbi (bulbs, tubers, corms, rhizomes)  sebagai vector (as a vector): <i>Tomato black ring virus</i>	Africa: Nigeria Europe: Bulgaria, France, Germany, Italy, Poland, Russian Federation, Spain, United Kingdom

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			(semanggi, clover), <i>Triticum</i> sp. (gandum, wheat), <i>Vitis</i> sp. (anggur, grape)		
33.	<i>Longidorus caespiticola</i> Hooper; Longidoridae; needle nematode	II	<i>Fragaria vesca</i> (wild strawberry), <i>Rosa</i> spp. (mawar, rose)	akar (roots), media tanam yang melekat pada tanaman (growing media associated with plants), stolon (stolons), tanah (soil)  sebagai vector (as a vector): <i>Raspberry ringspot virus</i> , <i>Cherry leaf roll virus</i>	Europe: Western Europe
34.	<i>Longidorus elongatus</i> (de Man, 1876) Micoletzky, 1922; (Syn. <i>Dorylaimus elongates</i> de Man, 1876, <i>Dorylaimus tenuis</i> von Linstow, 1879, <i>Longidorus menthasolanus</i>	II	<i>Allium</i> spp., <i>Anthemis cotula</i> (dog fennel), <i>Apium graveolens</i> (seledri, celery), <i>Arachis hypogaea</i> (kacang tanah, peanut), <i>Avena</i>	akar (roots), polong dalam tanah (pods in the ground), media tanam	Africa: South Africa America: Canada, USA Asia: Georgia, India, Kazakhstan, Pakistan, Tajikistan, Turkey,

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	Konicek & Jensen, 1961, <i>Longidorus monohystera</i> Altherr, 1953, <i>Trichodorus elongatus</i> (de Man, 1876) Filipjev, 1921); Longidoridae; needle nematode, tomato black ring eelworm		<i>sativa</i> (oat, oats), <i>Beta vulgaris</i> (bit, beetroot), <i>Brassica oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Brassica oleracea</i> var. <i>gemmifera</i> (brussels sprouts), <i>Brassica rapa</i> subsp. <i>rapa</i> (turnip, turnip), <i>Capsella burs-pastoris</i> (shepherd's purse), <i>Chenopodium album</i> (fat hen), <i>Chenopodium quinoa</i> (quinoa), <i>Dactylis glomerata</i> (cocksfoot), <i>Daucus carota</i> (wortel, carrot), <i>Fallopia convolvulus</i> (black bindweed), <i>Ficus carica</i> (fig), <i>Fragaria ananassa</i> (stroberi, strawberry), <i>Fragaria vesca</i> (wild strawberry), <i>Hordeum vulgare</i> (barli, barley), <i>Lactuca sativa</i> (selada, lettuce), <i>Lolium multiflorum</i> (Italian ryegrass), <i>Lolium</i>	yang melekat pada tanaman (growing media associated with plants), stolon (stolons), tanah (soil), umbi (bulbs, tubers, corms, rhizomes)  sebagai vector (as a vector): Grup Nepovirus	Uzbekistan, Vietnam Europe: Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Moldova, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Spain, Sweden, Switzerland, United Kingdom, Ukraine Oceania: New Zealand

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			<p><i>perenne</i> (perennial ryegrass), <i>Malus domestica</i> (apel, apple), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Mentha piperita</i> (peppermint), <i>Poa annua</i> (annual meadowgrass), <i>Pyrus communis</i> (pir, pear), <i>Polygonum convolvulus</i> (black bindweed), <i>Ranunculus acris</i> (Meadow buttercup), <i>Raphanus sativus</i> (lobak, radish), <i>Ribes nigrum</i> (blackcurrant), <i>Ribes rubrum</i> (red currant), <i>Rosa</i> spp. (mawar, rose), <i>Rubus idaeus</i> (raspberry), <i>Senecio vulgaris</i>, <i>Solanum lycopersicum</i> (tomat, tomato), <i>Stellaria media</i> (common chickweed), <i>Symphytum officinale</i> (blackwort), <i>Trifolium pratense</i> (red clover),</p>		

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			<i>Tussilago farfara</i> (Colt's-foot), <i>Urtica dioica</i> (stinging nettle), <i>Urtica urens</i> (annual nettle), <i>Vitis vinifera</i> (anggur, grapevine)		
35.	<i>Longidorus leptcephalus</i> Hooper, 1961; Longidoridae; needle nematode	II	<i>Beta vulgaris</i> (bit, beetroot), <i>Brassica rapa</i> (turnip), <i>Daucus carota</i> (wortel, carrot), <i>Cerealia</i> , <i>Rosa</i> sp. (mawar, rose), <i>Malus domestica</i> (apel, apple), <i>Prunus avium</i> (ceri manis, sweet cherry), <i>Prunus domestica</i> (prem, plum), <i>Solanum tuberosum</i> (kentang, potato), <i>Tagetes</i> spp. (marigold), <i>Tulipa</i> sp. (tulip)	akar (roots), bibit (seedlings, micropropagated plants), media tanam yang melekat pada tanaman (growing media associated with plants), stek berakar (cuttings with root), tanah (soil), umbi (bulbs, tubers, corms, rhizomes)  sebagai vector (as a vector):	Europe: Denmark, England, Germany, Ireland, Netherlands, Norway, Poland, Russian Federation, Scotland, Slovenia, Slovakia, Sweden, United Kingdom

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				<i>Raspberry ringspot virus</i> , <i>Cherry leaf roll virus</i>	
36.	<i>Longidorus macrosoma</i> Hooper, 1961; Longidoridae; needle nematode	II	<i>Fragaria vesca</i> (wild strawberry), <i>Prunus avium</i> (ceri manis, sweet cherry), <i>Rosa</i> spp. (mawar, rose), <i>Vitis vinifera</i> (anggur, grapevine)	akar (roots), media tanam yang melekat pada tanaman (growing media associated with plants), stek berakar (cuttings with root), stolon (stolons), tanah (soil)  sebagai vector (as a vector): <i>Raspberry ringspot virus</i>	Europe: Albania, Andorra, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxemburg, Malta, Republic of Moldova, Monaco, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, San

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					Marino, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom
37.	<i>Meloidogyne acronea</i> Coetzee 1956; (Syn. <i>Hypsoperine (Hypsoperine)</i> <i>acronea</i> Siddiqi 1986, <i>Hypsoperine</i> <i>acronea</i> Sledge and Golden 1964); Meloidogynidae; African cotton root nematode	II	<i>Arachis hypogaea</i> (kacang tanah, peanut), <i>Cajanus</i> <i>cajan</i> (kacang gude, pigeon pea), <i>Cassia</i> spp., <i>Chloris</i> <i>gayana</i> (rhodes grass), <i>Croton tiglium</i> (purgine croton), <i>Cyamopsis</i> <i>tetragonoloba</i> (guar), <i>Eleusine coracana</i> (finger millet), <i>Eragrostis</i> spp. (lovegrasses), <i>Gossypium</i> (cotton), <i>Gossypium</i> <i>barbadens</i> (kapas, cotton), <i>Gossypium hirsutum</i> (bourbon cotton), <i>Helianthus annuus</i> (bunga matahari, sunflower), <i>Hibiscus sabdariffa</i> (jamaica sorrel), <i>Pennisetum glaucum</i> (pearl millet), <i>Phaseolus</i>	akar (roots), bibit (seedlings, micropropagate d plants), bibit (seedlings, micropropagate d plants), panjang dalam tanah (pods in the ground), media tanam yang melekat pada tanaman (growing media associated with plants), tanah (soil), umbi (bulbs, tubers, corms, rhizomes)	Africa: Malawi, South Africa



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			(beans), <i>Phaseolus vulgaris</i> (common bean), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum tuberosum</i> (kentang, potato), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Vigna</i> spp. (buncis, cowpea)		
38.	<i>Meloidogyne brevicauda</i> Loos, 1953; Meloidogynidae; Indian root-knot nematode, tea root-knot nematode	II	<i>Camellia sinensis</i> (teh, tea), <i>Crocus sativus</i> (kumakuma, safron, saffron)	akar (roots), bibit (seedlings, micropropagated plants), media tanam yang melekat pada tanaman (growing media associated with plants), tanah (soil), umbi (bulbs, tubers, corms, rhizomes)	Asia: China, India, Sri Lanka Europe: Azerbaijan
39.	<i>Meloidogyne chitwoodi</i> Golden, O' Bannon, Santo & Finley, 1980; Meloidogynidae;	II	<i>Avena sativa</i> (oat, oats), <i>Beta vulgaris</i> var. <i>saccharifera</i> (bit gula, sugar)	akar (roots), bibit (seedlings, micropropagate	Africa: Mozambique, South Africa America: Argentina,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	Columbia root-knot nematode		beet), <i>Chenopodium quinoa</i> (quinoa), <i>Daucus carota</i> (wortel, carrot), <i>Hordeum vulgare</i> (barli, barley), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Pisum sativum</i> (kapri, sweet pea), Poaceae (grasses), <i>Scorzonera hispanica</i> (oyster plant), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum tuberosum</i> (kentang, potato), <i>Triticum aestivum</i> (gandum, wheat), <i>Vigna</i> spp. (buncis, cowpea), <i>Zea mays</i> (jagung, corn, maize)	d plants), media tanam yang melekat pada tanaman (growing media associated with plants), tanah (soil), umbi (bulbs, tubers, corms, rhizomes)	Mexico, USA Asia: Turkey Europe: Belgium, France, Germany, Italy, Netherlands, Portugal, Sweden
40.	<i>Meloidogyne coffeicola</i> Lordello & Zamith, 1960; (Syn. <i>Meloidodera coffeicola</i> (Lordello & Zamith, 1960) Kir'yanova, 1963); Meloidogynidae; coffee root-knot nematode	II	<i>Coffea</i> spp. (kopi, coffee), <i>Coffea arabica</i> (kopi arabika, arabica coffee), <i>Coffea canephora</i> (kopi robusta, robusta coffee), <i>Coffea liberica</i> (Liberian coffee tree), Eupatorium	akar (roots), bibit dengan media tanam (seedlings with growing media), tanah (soil)	America: Brazil

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			(Asteraceae)		
41.	<i>Meloidogyne decalineata</i> Whitehead; Meloidogynidae; African coffee root-knot nematode	II	<i>Coffea</i> spp. (kopi, coffee), <i>Coffea arabica</i> (kopi arabika, arabica coffee), <i>Coffea canephora</i> (kopi robusta, robusta coffee)	akar (roots), bibit (seedlings, micropropagated plants), media tanam yang melekat pada tanaman (growing media associated with plants), tanah (soil)	Africa: Sao Tome and Principe, Tanzania
42.	<i>Meloidogyne exigua</i> Goeldi, 1892; (Syn. <i>Heterodera exigua</i> (Goeldi, 1892) Marcinowski, 1909); Meloidogynidae; coffee root-knot nematode, Brazilian pyroid coffee nematode, root-knot nematode	II	<i>Allium ascalonicum</i> (bawang merah, shallot), <i>Allium cepa</i> (bawang bombay, onion), <i>Bidens pilosa</i> (blackjack), <i>Capsicum annuum</i> (cabai besar, paprika, bell pepper, hot pepper, red pepper, chili), <i>Citrullus vulgaris</i> (semangka, watermelon), Citrus, <i>Citrus aurantium</i> (jeruk nipis, lime), <i>Coffea</i> spp. (kopi, coffee), <i>Coffea arabica</i> (arabica coffee),	akar (roots), bibit (seedlings, micropropagated plants), media tanam yang melekat pada tanaman (growing media associated with plants), kormus (corms), stek berakar (cuttings with	America: Bolivia, Brazil, Chile, Colombia, Costa Rica, Dominican Republic, El Salvador, French Guiana, Guadeloupe, Guatemala, Guyana, Honduras, Martinique, Nicaragua, Puerto Rico, Peru, Suriname, Trinidad and Tobago, Venezuela Asia: Turkey

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			<i>Coffea eugenioides</i> , <i>Cucumis sativus</i> (mentimun, cucumber), <i>Cyphomandra betacea</i> (tree tomato), <i>Ipomoea acuminata</i> , <i>Miconia</i> , <i>Musa</i> (banana), <i>Oryza sativa</i> (padi, paddy, rice), <i>Pilea</i> , <i>Poncirus trifoliata</i> (Trifoliolate orange), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum nigrum</i> (leunca, black nightshade), <i>Stachys arvensis</i> (staggerweed)	root), umbi (bulbs, tubers, rhizomes)	
43.	<i>Meloidogyne fallax</i> Karssen, 1996; (Syn. <i>Meloidogyne chitwoodi</i> (Baexem) B Type van Maggelen et al., 1994); Meloidogynidae; false Columbia root-knot nematode	II	<i>Arachis hypogea</i> (kacang tanah, peanut), <i>Asparagus officinalis</i> (asparagus), <i>Beta vulgaris</i> (bit, beetroot), <i>Beta vulgaris</i> subsp. <i>vulgaris</i> (bit, beetroot), <i>Chenopodium album</i> (lambsquarters), <i>Cynara scolynus</i> , <i>Cynara cardunculus</i> var. <i>scolymus</i>	akar (roots), bibit (seedlings, micropropagated plants), media tanam yang melekat pada tanaman (growing media associated with	America: USA Europe: Belgium, France, Germany, Netherlands, Switzerland, United Kingdom Oceania: Australia, New Zealand

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			(globe artichoke), <i>Dahlia</i> spp. (dahlia), <i>Daucus carota</i> (wortel, carrot), <i>Fragaria</i> sp., <i>Fragaria ananassa</i> (stroberi, strawberry), <i>Hemerocallis</i> sp. (daylily), <i>Lactuca sativa</i> (selada, lettuce), <i>Lamprocapnos spectabilis</i> (bleeding heart), <i>Lolium</i> sp., <i>Lolium perenne</i> subsp. <i>multiflorum</i> (ryegrass, Italian ryegrass), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Oenothera biennis</i> , <i>Oenothera glazioviana</i> (primrose), <i>Phacelia tenacetifolia</i> (lacy phacelia), <i>Scorzonera hispanica</i> (oyster plant), <i>Sinapsis alba</i> (mustard), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum nigrum</i> (leunca, black nightshade), <i>Solanum tuberosum</i> (kentang, potato), <i>Trifolium repens</i>	plants), tanah (soil), umbi (bulbs, tubers, corms, rhizomes)	

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			(white clover), <i>Triticum</i> sp., <i>Triticum aestivum</i> (gandum, wheat), <i>Triticum durum</i> , turfgrasses, <i>Zea mays</i> (jagung, corn, maize)		
44.	<i>Meloidogyne minor</i> Karssen et al.; Meloidogynidae	II	<i>Agrostis stolonifer</i> (creeping bentgrass), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum tuberosum</i> (kentang, potato)	akar (roots), tanah (soil), umbi (tubers, corms, rhizomes)	America: USA Europe: Belgium, Ireland, Netherlands, United Kingdom
45.	<i>Meloidogyne naasi</i> Franklin, 1965; Meloidogynidae; barley root-knot nematode	II	<i>Beta vulgaris</i> var. <i>sacchraifera</i> (bit gula, sugar beet), <i>Cerealea</i> , <i>Glycine max</i> (kedelai, soyabean), <i>Hordeum vulgare</i> (barli, barley), <i>Trifolium repens</i> (white clover), <i>Triticum aestivum</i> (gandum, wheat), turfgrasses	akar (roots), bibit dengan media tanam (seedlings with growing media), tanah (soil), umbi (tubers, corms, rhizomes)	Africa: Libya America: Argentina, Canada, Chile, USA Asia: Iran Europe: France, Hungary, Belgium, Czech Republic, France, Germany, Hungary, Ireland, Italy, Malta, Netherlands, Poland, Serbia, United Kingdom Oceania: New Zealand
46.	<i>Meloidogyne oteifae</i> Elmiligy, 1968; Meloidogynidae;	II	<i>Coffea</i> spp. (kopi, coffee), <i>Peuraria</i> spp.	akar (roots), bibit dengan	Africa: Angola, DR Congo

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	root-knot nematode			media tanam (seedlings with growing media), tanah (soil)	
47.	<i>Meloidogyne thailandica</i> Handoo, Skantar, Carta, & Erbe 2005; Meloidogynidae; root-knot nematode	II	<i>Zingiber officinale</i> (jahe, ginger)	akar (roots), bagian tanaman (plant part), batang bawah (rootstock), tanah (soil)	Asia: Thailand
48.	<i>Nacobbus aberrans</i> (Thorne, 1935) Thorne & Allen, 1944; (Syn. <i>Anguillulina aberrans</i> Thorne, 1935, <i>Nacobbus batatiformis</i> Thorne & Schuster, 1956, <i>Nacobbus bolivianus</i> Lordello, Zamith & Boock, 1961, <i>Nacobbus serendipiticus</i> Franklin, 1959, <i>Nacobbus serendipiticus</i> <i>bolivianus</i> Lordello, Zamith & Boock, 1961, <i>Pratylenchus aberrans</i> (Thorne, 1935) Filipjev, 1936); Pratylenchidae; false root-knot nematode, potato rosery nematode	II	<i>Amaranthus</i> (amaranth), <i>Amaranthus hybridus</i> (bayam, spinach), <i>Atriplex</i> <i>confertifolia</i> (shadscale saltbush), <i>Beta vulgaris</i> (bit, beetroot), <i>Beta vulgaris</i> var. <i>saccharifera</i> (bit gula, sugar beet), <i>Brassica napus</i> var. <i>napobrassica</i> (swede), <i>Brassica nigra</i> (black mustard), <i>Brassica</i> <i>oleracea</i> (cabbages, cauliflowers), <i>Brassica</i>	akar (roots), bibit (seedlings/micr opropagated plants), media tanam yang melekat pada tanaman (growing media associated with plants), stek berakar (cuttings with root), tanah	Africa: Egypt America: Argentina, Bolivia, Chile, Ecuador, Mexico, Peru, USA Europe: Italy, Netherlands, Russian Federation, United Kingdom

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			<p><i>oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Brassica oleracea</i> var. <i>botrytis</i> (bunga kol, cauliflower), <i>Brassica oleracea</i> var. <i>gemmifera</i> (brussels sprouts), <i>Brassica oleracea</i> var. <i>gongylodes</i> (kohlrabi), <i>Brassica oleracea</i> var. <i>italica</i> (brokoli, broccoli), <i>Brassica oleracea</i> var. <i>viridis</i> (collards), <i>Brassica rapa</i> subsp. <i>pekinensis</i> (petsai), <i>Capsicum annuum</i> (cabai, paprika, bell pepper, hot pepper, red pepper, chili), <i>Chenopodium album</i> (fat hen), <i>Chenopodium quinoa</i> (quinoa), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Cucurbita maxima</i> (giant pumpkin), <i>Cucurbita pepo</i> (labu kuning, zukini, zucchini), <i>Daucus carota</i> (wortel, carrot), <i>Gaillardia</i></p>	(soil), umbi (bulbs, tubers, corms, rhizomes)	



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			spp., <i>Kochia</i> spp., <i>Lactuca sativa</i> (selada, lettuce), <i>Opuntia</i> spp. (pricklypear), <i>Pisum sativum</i> (kapri, sweet pea), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum melongena</i> (terung, aubergine, eggplant), <i>Solanum nigrum</i> (leunca, black nightshade), <i>Solanum tuberosum</i> (kentang, potato), <i>Sisymbrium irio</i> (london rocket), <i>Spergula arvensis</i> (corn spurry), <i>Spinacia oleracea</i> (spinach), <i>Tribulus terrestris</i> (puncture vine), <i>Tragopogon porrifolius</i> (oysterplant), <i>Ullucus tuberosus</i> (ulluco)		
49.	<i>Paratrichodorus porosus</i> (Allen, 1957) Siddiqi, 1974; (Syn. <i>Trichodorus porosus</i> (Allen, 1957) Siddiqi, 1980, <i>Paratrichodorus</i> (Atlantadorus) <i>porosus</i> (Allen, 1957) Siddiqi, 1974, <i>Trichodorus bucrius</i>	II	<i>Abelmoschus esculentus</i> (okra, okra), <i>Acer palmatum</i> (Japanese maple), <i>Allium cepa</i> (bawang bombay, onion), <i>Allium sativum</i> (bawang putih, garlic),	akar (roots), bibit (seedlings/micropopagated plants), kormus (corms), media	Africa: South Africa America: Brazil, Chile, Costa Rica, USA Asia: China, India, Iran, Japan, Republic of Korea (South Korea),

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	Lordello & Zamith, 1958, <i>Trichodorus porosus</i> Allen, 1957); Trichodoridae; stubby-root nematode		<i>Aphananthe aspera</i> (muku), <i>Aucuba japonica</i> (Japanese aucuba), <i>Bambusa tuldoidea</i> (punting-pole bamboo), <i>Bambusa vulgaris</i> (bambu, common bamboo), <i>Brassica oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Brassica rapa</i> subsp. <i>chinensis</i> (pak-choi, chinese cabbage), <i>Butia</i> (jelly palm), <i>Callicarpa japonica</i> (Japanese callicarpa), <i>Camellia</i> , <i>Camellia sinensis</i> (teh, tea), <i>Carpinus tshonoskii</i> , <i>Castanea crenata</i> (Japanese chestnut), <i>Castanopsis cuspidata</i> (chinkapin), <i>Casuarina</i> (beefwood), <i>Casuarina equisetifolia</i> (casuarina), <i>Celtis sinensis</i> (Chinese elm), <i>Cercidiphyllum japonicum</i> (katsura), <i>Cinnamomum</i>	tanam yang melekat pada tanaman (growing media associated with plants), stek berakar (cuttings with root), tanah (soil), umbi (bulbs, tubers, rhizomes)  sebagai vector (as a vector): Tobravirus	Sri Lanka, Uzbekistan, Vietnam Europe: Italy, Portugal, Russian Federation Oceania: Australia, Papua New Guinea

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			<p><i>camphora</i> (camphor laurel),  <i>Camellia</i>, <i>Citrus jambhiri</i>                      (rough lemon), <i>Citrus limon</i>                      (jeruk lemon, lemon), <i>Citrus</i>  <i>reticulata</i> (jeruk mandarin,                      mandarin), <i>Citrus sinensis</i>                      (jeruk manis, navel orange),  <i>Citrus x paradisi</i>                      (grapefruit), <i>Cleyera</i>  <i>japonica</i>, <i>Cryptomeria</i>  <i>japonica</i> (Japanese cedar),  <i>Cucurbita maxima</i> (giant                      pumpkin), <i>Daphniphyllum</i>  <i>macropodum</i>, <i>Dioscorea</i>                      (yam), <i>Dioscorea batatas</i>                      (Chinese yam), <i>Eucalyptus</i>                      (Eucalyptus tree), <i>Fatsia</i>  <i>japonica</i> (Japanese aralia),  <i>Ficus carica</i> (fig), <i>Gardenia</i>,  <i>Ginkgo biloba</i> (kew tree),  <i>Glycine max</i> (kedelai,                      soyabean), <i>Gossypium</i>                      (kapas, cotton), <i>Hordeum</i>  <i>vulgare</i> (barli, barley),  <i>Idesia polycarpa</i> (idesia),</p>		

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			<p><i>Ilex crenata</i> (Japanese holly), <i>Ilex integra</i> (mochi), <i>Ilex rotunda</i> (kurogane holly), <i>Juglans regia</i> (walnut), <i>Juniperus</i> (junipers), <i>Lagerstroemia indica</i> (indian crape myrtle), <i>Ligustrum lucidum</i> (broad-leaf privet), <i>Lupinus</i> (lupins), <i>Lycopersicon peruvianum</i>, <i>Magnolia hypoleuca</i> (japanese big-leaved magnolia), <i>Malus domestica</i> (apel, apple), <i>Morus alba</i> (mora), <i>Musa</i> (pisang, banana), <i>Musa acuminata</i> (wild banana), <i>Musa x paradisiaca</i> (pisang kepok, plantain), <i>Neolitsea sericea</i>, <i>Olea europaea</i> subsp. <i>europaea</i> (zaitun, olive), <i>Persea americana</i> (avokad, avocado), <i>Pinopsida</i> (conifers), <i>Pinus densiflora</i> (Japanese</p>		

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			umbrella pine), <i>Pinus pseudostrobus</i> var. <i>pseudostrobus</i> , <i>Pinus thunbergii</i> (Japanese black pine), <i>Pittosporum tobira</i> (Japanese pittosporum), <i>Poncirus trifoliata</i> (Trifoliolate orange), <i>Prunus armeniaca</i> (aprikot, apricot), <i>Prunus domestica</i> (prem, plum), <i>Prunus mahaleb</i> (mahaleb cherry), <i>Prunus persica</i> (persik, peach), <i>Prunus salicina</i> (Japanese plum), <i>Prunus serrulata</i> (Japanese flowering cherry), <i>Pyrus amygdaliformis</i> , <i>Pyrus communis</i> (pir, pear), <i>Quercus acutissima</i> (sawtooth oak), <i>Quercus glandulifera</i> (Glandbearing oak), <i>Quercus salicina</i> , <i>Rhododendron</i> (azalea), <i>Rhododendron indicum</i> (satsuki azalea), <i>Rosa</i>		

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			(mawar, roses), <i>Rubus loganobaccus</i> (loganberry), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Tagetes erecta</i> (african marigold), <i>Tagetes patula</i> (french marigold), <i>Taxus cuspidata</i> (japanese yew), <i>Ternstroemia gymnanthera</i> , <i>Viburnum odoratissimum</i> , <i>Vitis vinifera</i> (anggur, grapevine), <i>Zea mays</i> (jagung, corn, maize)		
50.	<i>Pratylenchus goodeyi</i> Sher & Allen, 1953; (Syn. <i>Anguillulina musicola</i> Apud Goodey, 1932, <i>Tylenchus musicola</i> Apud Goodey, 1928); Pratylenchidae; banana lesion nematode	II	<i>Commelina benghalensis</i> (wandering jew), <i>Hyparrhenia rufa</i> ( <u>Jaragua grass</u> ), <i>Leucaena leucocephala</i> ( <u>leucaena</u> ), <i>Musa</i> spp. (pisang, banana), <i>Musa x paradisiaca</i> ( <u>plantain</u> ), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Solanum lycopersicum</i> (tomat,	akar (roots), bibit (seedlings, micropropagated plants), kormus (corms), media tanam yang melekat pada tanaman (growing media associated with	Africa: Burundi, Cameroon, Canary Island, Egypt, Ethiopia, Kenya, Rwanda, Tanzania, Uganda Asia: China, Pakistan Europe: Greece, Portugal, Spain Oceania: Australia

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			tomato), <i>Solanum tuberosum</i> (kentang, potato), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Sesbania grandiflora</i> (turi, agati), <i>Vigna</i> spp. (kacang panjang, cowpea), <i>Zea mays</i> (jagung, corn, maize)	plants), tanah (soil), umbi (bulbs, tubers, rhizomes)	
51.	<i>Pratylenchus neglectus</i> (Rensch, 1924) Filipjev & Schuurmans Stekhoven, 1941); (Syn. <i>Aphelenchus neglectus</i> Rensch, 1924, <i>Aphelenchus neglectus</i> Goffart, 1927, <i>Tylenchus neglectus</i> Steiner, 1928, <i>Anguillulina neglectus</i> W. Schneider, 1939, <i>Pratylenchus minyus</i> Sher & Allen, 1953, <i>Pratylenchus capitatus</i> Loof, 1978); Pratylenchidae; California root lesion nematode, California meadow nematode	II	<i>Agropyron cristatum</i> (crested wheatgrass), <i>Brassica oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Fragaria</i> (stroberi, strawberry), <i>Malus domestica</i> (apel, apple), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Pistacia vera</i> (pistachio), <i>Solanum tuberosum</i> (kentang, potato), <i>Triticum aestivum</i> (gandum, wheat), <i>Zea mays</i> (jagung, corn, maize)	akar (roots), bibit dengan media tanam (seedlings with growing media), stolon (stolons), tanah (soil), umbi (bulbs, tubers, corms, rhizomes)	Africa: Morocco, South Africa America: Canada, Mexico, USA Asia: Georgia, Japan, Kazakhstan, Kyrgyzstan, Pakistan, Tajikistan, Turkmenistan, Uzbekistan Europe: Armenia, Azerbaijan, Belarus, Croatia, Estonia, Hungary, Italy, Latvia, Lithuania, Moldova, Poland, Russian Federation, Spain,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
					UkraineOceania: Australia
52.	<i>Pratylenchus scribneri</i> Steiner, 1943; Pratylenchidae; lesion nematode	II	<i>Fragaria vesca</i> (wild strawberry), <i>Gossypium barbadens</i> (kapas, cotton), <i>Hippeastrum</i> spp. (amarilis, amaryllis). <i>Malus domestica</i> (apel, apple), <i>Mentha spicata</i> (spear mint), <i>Parthenium argentatum</i> (guayule), <i>Solanum tuberosum</i> (kentang, potato), <i>Sorghum halepense</i> (Johnson grass), <i>Zea mays</i> (jagung, corn, maize)	akar (roots), stolon (stolons), stek berakar (cuttings with root), tanah (soil), umbi (bulbs, tubers, corms, rhizomes)	Africa: Cameroon America: Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Guyana, Mexico, Paraguay, Peru, Suriname, Uruguay, USA, Venezuela Asia: India, Israel, Japan, Pakistan, Turkey Europe: Bulgaria, Italy, Sweden
53.	<i>Pratylenchus thornei</i> Sher. & Allen, 1953; Pratylenchidae; Thorne's root lesion nematode	II	<i>Agrostis</i> spp. (bentgrasses), <i>Allium cepa</i> (onion), <i>Allium ascalonicum</i> (bawang merah, shallot), <i>Apium graveolens</i> (seledri, celery), <i>Arachys hypogaea</i> (kacang tanah, peanut), <i>Avena sativa</i> (oat, oats), <i>Beta vulgaris</i> (bit, beetroot),	akar (roots), batang (stems (above ground), shoots, trunks, branches), bibit (seedlings, micropropagate d plants), kulit kayu (bark),	Africa: Algeria, Canary Islands, Egypt, Kenya, Libya, Malawi, Morocco, South Africa, Sudan, Tunisia America: Argentina, Canada, Chile, Mexico, USA, Venezuela Asia: Afghanistan,



No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			<p><i>Brassica oleracea</i> (cabbages, cauliflowers), <i>Brassica oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Brassica oleracea</i> var. <i>botrytis</i> (bunga kol, cauliflower), <i>Cicer arietinum</i> (kacang arab, chickpea), <i>Citrullus lanatus</i> (semangka, watermelon), <i>Cupressus</i> spp. (cypresses), <i>Cynara cardunculus</i> var. <i>scolymus</i> (globe artichoke), <i>Cynara scolymus</i> (artichoke), <i>Daucus carota</i> (wortel, carrot), Fabaceae (leguminous plants), <i>Fragaria ananassa</i> (strawberry), <i>Fragaria vesca</i> (wild strawberry), <i>Glycine</i> <i>max</i> (kedelai, soyabean), <i>Hordeum vulgare</i> (barli, barley), <i>Iberis</i> spp. (candytuft), <i>Juglans regia</i> (walnut), <i>Lathyrus odoratus</i></p>	<p>polong dalam tanah (pods in the ground), stolon (stolons), stek berakar (cuttings with root), tanah (soil), umbi (bulbs, tubers, corms, rhizomes)</p>	<p>India, Iran, Israel, Japan, Jordan, Pakistan, Republic of Korea (South Korea), Saudi Arabia, Syria, Tajikistan, Turkey Europe: Belgium, Bulgaria, Bosnia and Herzegovina, Croatia, Cyprus, Denmark, Germany, Greece, Italy, Montenegro, North Macedonia, Netherlands, Poland, Portugal, Romania, Russian Federation, Spain, Serbia, Slovenia, Slovakia, United Kingdom Oceania: Australia</p>

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			(sweet pea), <i>Lens culinaris</i> subsp. <i>culinaris</i> (lentil), <i>Lens esculenta</i> (lentil), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Mentha piperita</i> (peppermint), <i>Mentha spicata</i> (spear mint), <i>Phaseolus vulgaris</i> (common bean), Pinus (pines), <i>Pinus merkusii</i> (tusam, pinetree), <i>Pisum sativum</i> (kapri, sweet pea), Poaceae (grasses), <i>Prunus</i> spp. (stone fruit), <i>Prunus amygdalus</i> (badam, almond), <i>Prunus dulcis</i> (badam, almond), <i>Quercus</i> spp. (oak), <i>Rosa</i> spp. (mawar, rose), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Solanum tuberosum</i> (kentang, potato), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Trifolium</i> spp. (semanggi), <i>Trifolium alexandrinum</i>		

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			(Berseem clover), <i>Trifolium fragiferum</i> (strawberry clover), <i>Trifolium repens</i> (white clover), <i>Triticum aestivum</i> (wheat), <i>Triticum aestivum</i> (gandum, wheat), <i>Triticum turgidum</i> (durum wheat), <i>Vicia faba</i> (faba bean), <i>Vigna cylindrica</i> (kacang tunggak, long bean), <i>Vigna unguiculata</i> (cowpea), <i>Vitis vinifera</i> (anggur, grapevine), <i>Vigna</i> spp. (kacang panjang, cowpea), <i>Zea mays</i> (jagung, corn, maize)		
54.	<i>Pratylenchus vulnus</i> Allen & Jensen, 1951; Pratylenchidae; walnut root lesion nematode; root lesion nematode; meadow nematode	II	<i>Actinidia arguta</i> (tara vine), <i>Actinidia deliciosa</i> (kiwi, kiwi fruit), <i>Araucaria araucana</i> (monkey puzzle), <i>Bambusa</i> sp. (bambu, bamboo), <i>Berberis thunbergii</i> (Japanese barberry), <i>Brassica oleracea</i> var. <i>capitata</i> (kubis,	akar (roots), batang (stems (above ground), shoot, trunks, branches), bibit (seedlings, micropropagate d plants), kulit kayu (bark),	Africa: Cameroon, Egypt, Kenya, R�union America: Argentina, Brazil, Cuba, Canada, USA, Uruguay Asia: China, Georgia, India, Iran, Israel, Japan, DPR Korea (North Korea),

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM ( <i>SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	INANG / <i>HOST</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
			cabbage), <i>Buxus sempervirens</i> (common boxwood), <i>Carya illinoensis</i> (pecan), <i>Citrus aurantium</i> (sour orange), <i>Citrus sinensis</i> (jeruk manis, navel orange), <i>Citrus x paradisi</i> (grapefruit), <i>Coffea</i> (coffee), <i>Corylus avellana</i> (hazel), <i>Cotoneaster horizontalis</i> (wall-spray), <i>Crotalaria juncea</i> (sunn hemp), <i>Crotalaria spectabilis</i> (Showy rattlepod), <i>Cydonia oblonga</i> (quince), <i>Cytisus scoparius</i> (broom), <i>Daucus carota</i> (wortel, carrot), <i>Eriobotrya japonica</i> (loquat), <i>Ficus carica</i> (ara), <i>Forsythia intermedia</i> (Golden bells), <i>Fragaria ananassa</i> (stroberi, strawberry), <i>Gossypium hirsutum</i> (bourbon cotton),	media tanam yang melekat pada tanaman (growing media associated with plants), polong dalam tanah (pods in the ground), stolon (stolons), stek berakar (cuttings with root), tanah (soil), umbi (bulbs, tubers, corms, rhizomes)	Kyrgyzstan, Kazakhstan, Pakistan, Philippines, Republic of Korea (South Korea), Sri Lanka, Tajikistan, Turkmenistan, Uzbekistan Europe: Armenia, Azerbaijan, Belarus, Belgium, Bulgaria, Denmark, Estonia, Finland, France, Germany, Greece, Italy, Latvia, Lithuania, Moldova, Netherlands, Norway, Poland, Russian Federation, Spain, Slovenia, United Kingdom , Ukraine Oceania: Australia, New Zealand

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			<p>Hamamelis (witchhazel),  <i>Hedera helix</i> (ivy), <i>Impatiens  balsamina</i> (garden balsam),  <i>Juglans hindsii</i> (californian  black walnut), <i>Juglans  major</i> (arizona walnut),  <i>Juglans microcarpa</i> (River  walnut tree), <i>Juglans nigra</i>  (black walnut), <i>Juglans  regia</i> (walnut), <i>Juniperus  chinensis</i> (Chinese juniper),  <i>Lathyrus odoratus</i> (sweet  pea), <i>Ligustrum ovalifolium</i>  (california privet), <i>Lilium  longiflorum</i> (Easter lily),  <i>Lilium speciosum</i> (Showy  lily), <i>Lotus corniculatus</i>  (bird's-foot trefoil), Mahonia  (holly grape), <i>Malus  sylvestris</i> (crab-apple tree),  <i>Medicago sativa</i> (alfalfa,  lucerne), <i>Melilotus albus</i>  (honey clover), <i>Nicotiana  tabacum</i> (tembakau,  tobacco), <i>Olea europaea</i></p>		

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			subsp. <i>europaea</i> (zaitun, olive), <i>Papaver somniferum</i> (opium poppy), <i>Persea americana</i> (avokad, avocado), <i>Phaseolus lunatus</i> (lima bean), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Pinus koraiensis</i> (fruit pine), <i>Pistacia vera</i> (pistachio), <i>Pisum sativum</i> (kapri, sweet pea), <i>Prunus amygdalus</i> (badam, almond), <i>Prunus armeniaca</i> (aprikot, apricot), <i>Prunus avium</i> (ceri manis, sweet cherry), <i>Prunus besseyi</i> (bessey cherry), <i>Prunus cerasifera</i> (myrobalan plum), <i>Prunus domestica</i> (prem, plum), <i>Prunus dulcis</i> (badam, almond), <i>Prunus mahaleb</i> (mahaleb cherry), <i>Prunus persica</i> (persik, peach), <i>Prunus salicina</i> (Japanese plum), <i>Pterocarya</i>		

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			<p><i>stenoptera</i> (chinese wing nut), <i>Pyrus communis</i> (pir, pear), <i>Rosa</i> (roses), <i>Rosa canina</i> (dog rose), <i>Rosa chinensis</i> (China rose), <i>Rosa multiflora</i> (multiflora rose), <i>Rubus</i> (blackberry, raspberry), <i>Rubus idaeus</i> (raspberry), <i>Sequoia sempervirens</i> (coast redwood), <i>Taxus baccata</i> (English yew), <i>Taxus chinensis</i>, <i>Vicia benghalensis</i> (purple vetch), <i>Vicia faba</i> (kacang babi, broad bean), <i>Vigna catjang</i>, <i>Vitis rupestris</i> (sand-grape), <i>Vitis vinifera</i> (grapevine), <i>Zea mays</i> (jagung, corn, maize)</p>		
55.	<p><i>Punctodera punctata</i> (Thorne) Mulvey &amp; Stone, 1976; (Syn. <i>Heterodera punctata</i> Thorne, 1928); Heteroderidae;</p>	I	<p><i>Agrostis capillaris</i> (brown bentgrass), <i>Agrostis stolonifera</i> (creeping bentgrass), <i>Agrostis stolonifera</i> var. <i>palustris</i></p>	akar (roots), bibit (seedlings, micropropagate d plants), media tanam yang	Africa: Ivory Coast, Morocco America: Argentina, Canada, Chile, Cuba, Dominica, Guyana,

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	grass cyst nematode, grass cyst eelworm		(bent grass), <i>Avena sativa</i> (oat, oats), <i>Festuca rubra</i> (red fescue), <i>Hordeum vulgare</i> (barli, barley), <i>Lolium perenne</i> (perennial ryegrass), <i>Poa annua</i> (annual meadowgrass), <i>Poa pratensis</i> (smooth-stalked meadowgrass), <i>Rosa</i> spp. (mawar, rose), <i>Triticum aestivum</i> (gandum, wheat), turfgrasses	melekat pada tanaman (growing media associated with plants), stek berakar (cuttings with root), stolon (stolons), tanah (soil)	Mexico, Puerto Rico, USA Asia: Israel, Japan Europe: Austria, Belgium, Bosnia and Herzegovina, Czech Republic, Croatia, Denmark, Estonia, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Latvia, Montenegro, North Macedonia, Netherlands, Norway, Poland, Portugal, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom, Ukraine
56.	<i>Radopholus citrophilus</i> Huettel, Dickson & Kaplan, 1984; (Syn. <i>Radopholus similis</i> citrus race); Pratylenchidae;	II	<i>Citrus</i> spp. (jeruk, orange)	akar (roots), bibit (seedlings, micropropagate d plants), media	Africa: Ivory Coast America: Cuba, Dominica, Puerto Rico, Guyana, USA



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	burrowing nematode, spreading decline of citrus			tanam yang melekat pada tanaman (growing media associated with plants), stek berakar (cuttings with root), tanah (soil)	
57.	<i>Scutellonema bradys</i> (Steiner & Le Hew, 1933) Andrassy, 1958; (Syn. <i>Anguillulina bradys</i> (Steiner & Le Hew, 1933) T. Goodey, 1975, <i>Hoplolaimus bradys</i> Steiner & Le Hew, 1933, <i>Rotylenchus blaberus</i> Steiner, 1937, <i>Rotylenchus bradys</i> (Steiner & Le Hew, 1933) Filipjev, 1936, <i>Scutellonema blaberum</i> (Steiner, 1937) Andrassy, 1958, <i>Scutellonema dioscorea</i> Lordello, 1959); Hoplolaimidae; yam dry rot nematode, yam nematode	II	<i>Abelmoschus esculentus</i> (okra), <i>Abelmoschus moschatus</i> (okra, lady's finger), <i>Ananas comosus</i> (nenas, pineapple), <i>Cajanus cajan</i> (kacang gude, pigeon pea), <i>Catharanthus roseus</i> (Madagascar periwinkle), <i>Celosia argentea</i> (celosia argentea), <i>Cocos nucifera</i> (kelapa, coconut), <i>Corchorus olitorius</i> (jute), <i>Dioscorea</i> spp. (yam), <i>Dioscorea alata</i> (white yam), <i>Dioscorea bulbifera</i> (air potato),	akar (roots), bibit (seedlings, micropropagated plants), media tanam yang melekat pada tanaman (growing media associated with plants), tanah (soil), umbi (bulb, tubers, corms, rhizomes)	Africa: Benin, Burkina Faso, Cameroon, Ivory Coast, Gambia, Ghana, Guinea, Kenya, Mali, Nigeria, Senegal, Sudan, Tanzania, Togo America: Barbados, Brazil, Costa Rica, Cuba, Dominica, Dominican Republic, Guadeloupe, Guatemala, Haiti, Jamaica, Martinique, Puerto Rico, Trinidad and Tobago, USA,

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			<p><i>Dioscorea cayenensis</i> (Guinea yam), <i>Dioscorea esculenta</i> (Asiatic yam), <i>Dioscorea rotundata</i>, <i>Dioscorea trifida</i> (cushcush yam), <i>Hibiscus cannabinus</i> (kenaf), <i>Hibiscus sabdariffa</i> (jamaica sorrel), <i>Luffa acutangula</i> (gambas, angled loofa), <i>Luffa aegyptiaca</i> (loofah), <i>Manihot esculenta</i> (ubi kayu, cassava), <i>Pachyrhizus erosus</i> (bangkuang, yam-bean), <i>Pueraria phaseoloides</i> (tropical kudzu), <i>Quercus</i> spp., <i>Sesamum indicum</i> (wijen, sesame), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Synedrella nodiflora</i> (synedrella), <i>Urena lobata</i> (caesar weed), <i>Vigna cylindrica</i> (kacang tunggak,</p>		<p>Venezuela Asia: India, Pakistan</p>

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			long bean), <i>Vigna radiata</i> (kacang hijau, mungbean), <i>Vigna unguiculata</i> (cowpea), <i>Zea mays</i> (jagung, corn, maize)		
58.	<i>Trichodorus similis</i> Seinhorst; Trichodoridae; stubby root nematode	II	<i>Beta vulgaris</i> var. <i>saccharifera</i> (bit gula, sugar beet), <i>Dioscorea batatas</i> (chinese yam), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Solanum tuberosum</i> (kentang, potato), <i>Sorghum bicolor</i> (sorgum, sorghum)	akar (roots), tanah (soil), umbi (bulbs, tubers, corms, rhizomes)  sebagai vector (as a vector): Grup Tobravirus	America: USA Asia: Turkey Europe: Belgium, Bulgaria, Czech Republic, France, Germany, Italy, Netherlands, Norway, Poland, Sweden, United Kingdom
59.	<i>Trichodorus viruliferus</i> Hooper, 1963; Trichodoridae; stubby root nematode	II	<i>Beta vulgaris</i> var. <i>saccharifera</i> (bit gula, sugar beet), <i>Hordeum vulgare</i> (barli, barley), <i>Malus domestica</i> (apel, apple), <i>Pisum sativum</i> (kapri, sweet pea), <i>Secale cereale</i> (rye), <i>Solanum tuberosum</i> (kentang, potato), <i>Triticum aestivum</i> (gandum, wheat),	akar (roots), bibit dengan media tanam (seedlings with growing media), stek berakar (cuttings with root), tanah (soil), umbi (bulbs, tubers,	America: USA Europe: Belgium, Bulgaria, Czech Republic, France, Germany, Hungary, Italy, Netherlands, Poland, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom

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			<i>Vitis vinifera</i> (anggur, grapevine), <i>Zea mays</i> (jagung, corn, maize)	corms, rhizomes)  sebagai vector (as a vector): <i>Pea early browning virus</i> , <i>Tobacco rattle virus</i>	
60.	<i>Tylenchorhynchus claytoni</i> Steiner, 1937; (Syn. <i>Tesselus claytoni</i> Jairajpuri & Hunt, 1984); Dolichodoridae; stunt nematode, tobacco stunt nematode	II	<i>Agrostis stolonifera</i> var. <i>palustris</i> (bent grass), <i>Arachis hypogaea</i> (kacang tanah, peanut), <i>Arachniodes adiantiformis</i> (leatherleaf fern), <i>Arctium lappa</i> (burdock), <i>Aucuba japonica</i> (japanese aucuba), <i>Avena sativa</i> (oat, oats), Azaleas, <i>Bouteloua curtipendula</i> (Side-oats grama), <i>Bouteloua gracilis</i> (blue grama), <i>Cajanus cajan</i> (kacang gude, pigeon pea), <i>Camellia japonica</i> (camellia), <i>Chamaecyparis pisifera</i>	akar (roots), bibit (seedlings, micropropagate d plants), media tanam yang melekat pada tanaman (growing media associated with plants), polong dalam tanah (pods in the ground), stek berakar (cuttings with root), tanah	Africa: South Africa America: Canada, Honduras, USA, Asia: Bangladesh, China, India, Japan, Republic of Korea (South Korea), Turkey Europe: Belgium, Bulgaria, Cyprus, Denmark, Germany, Italy, Netherlands, Poland, Switzerland, United Kingdom Oceania: Australia

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			(sawara false cypress), <i>Citrus aurantium</i> (sour orange), <i>Citrus aurantium</i> (sour orange), <i>Citrus limon</i> (lemon, lemon), <i>Citrus x</i> <i>paradisi</i> (grapefruit), <i>Cynodon dactylon</i> (bermuda grass, rumput bermuda), <i>Echinochloa colona</i> (junglerice), <i>Eleusine</i> <i>coracana</i> (finger millet), <i>Enkianthus perulatus</i> (white enkianthus), Erica (heaths), Festuca (fescues), <i>Festuca</i> <i>arundinacea</i> (reed fescue), <i>Glycine max</i> (kedelai, soyabean), <i>Gossypium</i> sp. (kapas, cotton), <i>Ipomoea</i> <i>batatas</i> (ubi jalar, sweet potato), <i>Litchi chinensis</i> (leci, lichi), <i>Lolium</i> (ryegrasses), <i>Medicago</i> <i>sativa</i> (alfalfa, lucerne), Nandina, <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Olea</i>	(soil), umbi (bulbs, tubers, corms, rhizomes)	

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			<p><i>europaea</i> subsp. <i>europaea</i> (zaitun, olive), <i>Oryza sativa</i> (padi, paddy, rice), <i>Osmanthus fragrans</i> (sweet olive), Peony, <i>Photinia glabra</i>, <i>Picea abies</i> (common spruce), <i>Pieris japonica</i> (Lily-of-the-valley shrub), <i>Pinus echinata</i> (shortleaf pine), <i>Pinus elliotii</i> (slash pine), <i>Pinus palustris</i> (longleaf pine), <i>Pinus resinosa</i> (red pine), <i>Pinus taeda</i> (loblolly pine), <i>Pisum sativum</i> (kapri, sweet pea), <i>Pieris japonica</i> (Lily-of-the-valley shrub), <i>Poa pratensis</i> (smooth-stalked meadowgrass), Poaceae (grasses), <i>Prunus persica</i> (persik, peach), <i>Rhododendron</i> (Azalea), <i>Rhododendron indicum</i> (Satsuki azalea), <i>Rhododendron japonicum</i></p>		

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			(Japanese azalea), <i>Rhododendron obtusum</i> (Kirishima azalea), <i>Rubus</i> (blackberry, raspberry), <i>Rubus fruticosus</i> (blackberry), <i>Saccharum</i> <i>officinarum</i> (tebu, sugarcane), <i>Secale cereale</i> (rye), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum</i> <i>melongena</i> (terong, aubergine, eggplant), <i>Solanum tuberosum</i> (kentang, potato), <i>Trifolium</i> spp. (semanggi), <i>Vaccinium</i> <i>myrtillus</i> (blueberry), <i>Zea</i> <i>mays</i> (jagung, corn, maize)		
61.	<i>Xiphinema americanum</i> Cobb, 1913; (Syn. <i>Tylencholaimus americanus</i> (Cobb, 1913) Micoletzky, 1922, <i>Xiphinema californicum</i> Lamberti & Bleve-Zacheo, 1979, <i>Xiphinema taylori</i> Lamberti et al., 1991); Xiphinematidae; American dagger nematode, dagger	II	<i>Achras</i> (= <i>Manilkara</i> ) <i>zapota</i> (sawo, sapodilla), <i>Acer</i> <i>platanoides</i> (Norway maple), <i>Acer rubrum</i> (red maple), <i>Agropyron</i> spp., <i>Agropyron</i> <i>cristatum</i> (crested wheatgrass), <i>Agropyron</i> <i>desertorum</i> (crested	akar (roots), bibit (seedlings, micropropagate d plants), media tanam yang melekat pada tanaman (growing media	Africa: Nigeria, Senegal America: Argentina, Brazil, Canada, Chile, Ecuador, Guatemala, Mexico, Panama, Peru, USA, Uruguay, Venezuela Asia: China, DPR

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	nematode, tobacco ring spot nematode		wheatgrass (USA)), <i>Agrostis</i> spp., <i>Ambrosia artemisiifolia</i> (common ragweed), <i>Anethum graveolens</i> (dill), <i>Avena sativa</i> (oat, oats), <i>Bambusa</i> (bamboo), <i>Bambusa tuldoides</i> (punting-pole bamboo), <i>Borrchia frutescens</i> (sea-oxeye), <i>Callicarpa americana</i> (American beautyberry), <i>Chenopodium giganteum</i> (large lambsquarters), <i>Chenopodium quinoa</i> (quinoa), <i>Cichorium intybus</i> (chicory), <i>Citrus</i> spp., <i>Citrus sinensis</i> (jeruk manis, navel orange), <i>Cocos nucifera</i> (kelapa, coconut), <i>Codiaeum variegatum</i> (croton), <i>Coffea</i> spp. (kopi, coffee), <i>Coffea canephora</i> (kopi robusta, robusta coffee), <i>Cornus</i> (Dogwood), <i>Cucurbita pepo</i> (labu kuning, zukini,	associated with plants), stek berakar (cuttings with root), stolon (stolons), tanah (soil), umbi (bulbs, tubers, corms, rhizomes)  sebagai vektor: Grup Nepovirus	Korea (North Korea), India, Japan, Kazakhstan, Oman, Pakistan, Philippines, Sri Lanka, Tajikistan, Turkey, Uzbekistan Europe: Hungary, Poland, Russian Federation, Spain, United Kingdom Oceania: Australia



No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			zucchini), <i>Cydonia oblonga</i> (quince), <i>Cynodon dactylon</i> (Bermuda grass), <i>Dimocarpus litchii</i> (leci, lychee), <i>Erigeron annuus</i> (annual fleabane), <i>Ficus</i> <i>carica</i> (ara), <i>Fragaria vesca</i> (wild strawberry), <i>Fragaria</i> <i>ananassa</i> (stroberi, strawberry), <i>Fraxinus</i> <i>pennsylvanica</i> (downy ash), <i>Glycine max</i> (kedelai, soyabean), <i>Gossypium</i> <i>barbadens</i> (kapas, cotton), <i>Gossypium hirsutum</i> (bourbon cotton), <i>Grewia</i> <i>asiatica</i> (phalsa), <i>Juglans</i> <i>regia</i> (walnut), <i>Linum</i> <i>usitatissimum</i> (flax), <i>Litchi</i> <i>chinensis</i> (lichi), <i>Malus</i> <i>domestica</i> (apel, apple), <i>Malus sylvestris</i> (crab-apple tree), <i>Mangifera indica</i> (mangga, mango), <i>Medicago</i> <i>sativa</i> (alfalfa, lucerne),		

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			<p><i>Mentha</i> spp. (mints), <i>Nerium oleander</i> (oleander),  <i>Nicotiana tabacum</i> (tembakau, tobacco),  <i>Onobrychis viciifolia</i> (sainfoin), <i>Oryza sativa</i> (padi, paddy, rice),  <i>Pennisetum clandestinum</i> (Kikuyu grass), <i>Petunia hybrida</i>, <i>Picea</i> spp., <i>Picea glauca</i> (white spruce), <i>Picea pungens</i> (blue spruce),  <i>Pinus</i> spp. (pines), <i>Pinus echinata</i> (shortleaf pine),  <i>Pinus elliottii</i> (slash pine),  <i>Pinus resinosa</i> (red pine),  <i>Pinus sylvestris</i> (Scots pine),  <i>Pinus taeda</i> (loblolly pine),  <i>Pistacia vera</i> (pistachio),  <i>Pittosporum tobira</i> (Japanese pittosporum),  <i>Plantago</i> spp. (plantain),  Polyphagous (polyphagous),  <i>Poncirus trifoliata</i> (trifoliolate orange), <i>Poncirus trifoliata</i></p>		

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			<p>(trifoliolate orange), <i>Potentilla</i> (Cinquefoil), <i>Prunus</i> spp. (stone fruit), <i>Prunus armeniaca</i> (aprikot, apricot), <i>Prunus avium</i> (ceri manis, sweet cherry), <i>Prunus domestica</i> (prem, plum), <i>Prunus dulcis</i> (badam, almond), <i>Prunus persica</i> (persik, peach), <i>Prunus salicina</i> (japanese plum), <i>Psidium guajava</i> (jambu biji, guava), <i>Quercus laurifolia</i> (Laurel oak), <i>Rosa</i> spp. (mawar, rose), <i>Rubus</i> (blackberry, raspberry), <i>Rubus idaeus</i> (raspberry), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Salix alba</i> (white willow), <i>Shorea robusta</i> (sal), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum tuberosum</i> (kentang, potato), <i>Sorghum bicolor</i></p>		

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			<p>(sorgum, sorghum),  <i>Stellaria media</i> (common chickweed), <i>Taraxacum officinale</i> complex (dandelion), <i>Tectona grandis</i> (jati, teak), <i>Thevetia peruviana</i> (yellow oleander), Trifolium (clovers), Trifolium (semanggi, clovers), <i>Trifolium pratense</i> (purple clover), <i>Trifolium repens</i> (white clover), Ulmus (elms), <i>Vaccinium</i> spp. (blueberries), <i>Vaccinium angustifolium</i> (Lowbush blueberry), <i>Vaccinium corymbosum</i> (blueberry), <i>Vaccinium myrtillus</i> (blueberry), <i>Vinca minor</i> (common periwinkle), <i>Vitis labrusca</i> (fox grape), <i>Vitis rupestris</i> (sand-grape), <i>Vitis vinifera</i> (anggur, grapevine), <i>Zea mays</i> (jagung, corn, maize), <i>Zoysia japonica</i></p>		

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			(zoysia grass)		
62.	<p><i>Xiphinema diversicaudatum</i> (Micoletzky, 1927) Thorne, 1939; (Syn. <i>Dorylaimus (Longidorus) diversicaudatus</i> Micoletzky, 1927, <i>Dorylaimus (Longidorus) elongatus</i> apud Micoletzky, 1923, <i>Longidorus diversicaudatus</i> (Micoletzky, 1927) Thorne &amp; Swanger, 1936, <i>Xiphinema (Diversiphinema) diversicaudatum</i> (Micoletzky, 1927) Cohn &amp; Sher, 1972, <i>Xiphinema amarantum</i> Macara, 1970, <i>Xiphinema basiri</i> apud Javed, 1983, <i>Xiphinema israeliae</i> apud Cohn, 1969, Cohn &amp; Mordechai, 1969, <i>Xiphinema paraelongatum</i> Altherr, 1958, <i>Xiphinema sahelense</i> apud Riffle, 1968, 1970, <i>Xiphinema seredouense</i> apud Luc, 1958); Xiphinematidae; dagger nematode</p>	II	<p><i>Acer pseudoplatanus</i> (sycamore), <i>Allium porrum</i> (bawang daun, leek), <i>Beta vulgaris</i> (bit, beetroot), <i>Brassica oleracea</i> (cabbages, cauliflowers), <i>Brassica oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Brassica oleracea</i> var. <i>botrytis</i> (bunga kol, cauliflower), <i>Chamaecyparis lawsoniana</i> (Port Orford cedar), <i>Chamomilla suaveolens</i> (Rounded chamomile), <i>Chrysanthemum coronarium</i> (garland chrysanthemum), <i>Crataegus laevigata</i>, <i>Cucumis sativus</i> (mentimun, cucumber), <i>Daucus carota</i> (wortel, carrot), <i>Fagus sylvatica</i> (common beech), <i>Fragaria ananassa</i> (stroberi,</p>	<p>akar (roots), bibit (seedlings, micropropagated plants), media tanam yang melekat pada tanaman (growing media associated with plants), stek berakar (cuttings with root), stolon (stolons), tanah (soil), umbi (bulbs, tubers, corms, rhizomes)  sebagai vector (as a vector): Grup Nepovirus</p>	<p>Africa: Algeria, South Africa America: USA Asia: Turkey Europe: Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, France, Germany, Ireland, Italy, North Macedonia, Montenegro, Moldova, Netherlands, Norway, Poland, Portugal, Russian Federation, Serbia, Slovenia, Slovakia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			strawberry), <i>Fraxinus excelsior</i> (ash), <i>Hordeum vulgare</i> (barli, barley), <i>Humulus lupulus</i> (hop), <i>Lactuca sativa</i> (selada, lettuce), <i>Malus sylvestris</i> (crab-apple tree), <i>Mentha arvensis</i> (corn mint), <i>Pisum sativum</i> (kapri, sweet pea), <i>Prunus</i> spp., <i>Prunus domestica</i> (prem, plum), <i>Prunus persica</i> (peach), <i>Prunus salicina</i> (Japanese plum), <i>Prunus spinosa</i> (blackthorn), <i>Pyrus communis</i> (pir, pear), <i>Rosa</i> spp. (mawar, rose), <i>Rosa canina</i> (Dog rose), <i>Rubus fruticosus</i> (blackberry), <i>Rubus idaeus</i> (raspberry), <i>Sambucus nigra</i> (elder), <i>Senecio vulgaris</i> , <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum tuberosum</i> (kentang,		

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			potato), <i>Trifolium pratense</i> (purple clover), <i>Tussilago farfara</i> (Colt's-foot), Veronica (Speedwell), <i>Viburnum tinus</i> , <i>Vitis vinifera</i> (anggur, grapevine)		
63.	<i>Xiphinema index</i> Thorne & Allen, 1950; (Syn. <i>Diversiphinema index</i> Thorne & Allen (Cohn & Sher, 1972); Xiphinematidae; dagger nematode, fan-leaf virus nematode	II	<i>Ampelopsis aconitifolia</i> (monkhood-vine), <i>Anacardium occidentale</i> (jambu mete, cashew-nut), Betula (birches), <i>Chenopodium giganteum</i> (large lambsquarters), <i>Chenopodium quinoa</i> (quinoa), <i>Citrus</i> spp., <i>Citrus aurantium</i> (jeruk nipis, lime), <i>Cupressus pyramidalis</i> , <i>Cydonia oblonga</i> (kwinsi, quince), <i>Fagus silvaticus</i> , <i>Ficus carica</i> (ara, fig), <i>Gomphrena globosa</i> (Globe amaranth), <i>Jasminum officinale</i> , <i>Juglans regia</i> (walnut), <i>Malus domestica</i> (apel,	akar (roots), bibit (seedlings, micropropagated plants), media tanam yang melekat pada tanaman (growing media associated with plants), stek berakar, stolon, tanah (soil), umbi  sebagai vector (as a vector): Grup Nepovirus	Africa: Algeria, Canary Islands, South Africa, Tunisia America: Argentina, Brazil, Chile, Peru, USA Asia: Georgia, India, Iran, Iraq, Israel, Lebanon, Pakistan, Tajikistan, Turkey, Turkmenistan, Uzbekistan Europe: Albania, Armenia, Austria, Azerbaijan, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, France, Germany, Greece,

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			apple), <i>Malus sylvestris</i> (crab-apple tree), <i>Morus alba</i> (mora), <i>Muscadinia rotundifolia</i> (monkhood-vine), <i>Nicotiana rustica</i> (wild tobacco), <i>Olea europea</i> subsp. <i>europea</i> (zaitun, olive), <i>Opuntia</i> sp. (pricklypear), <i>Parthenicissus tricuspidata</i> , <i>Petunia hybrida</i> , <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Pinus halepensis</i> (aleppo pine), <i>Pinus</i> sp. (pine), <i>Pistacia mutica</i> , <i>Pistacia vera</i> (pistachio), <i>Populus</i> sp. (poplar), <i>Prunus</i> spp., <i>Prunus americana</i> (aprikot, apricot), <i>Prunus armeniaca</i> (apricot), <i>Prunus avium</i> (ceri manis, sweet cherry), <i>Prunus domestica</i> (prem, plum), <i>Prunus cerasus</i> (ceri, cherry), <i>Prunus salicina</i> (Japanese plum),		Hungary, Italy, North Macedonia, Malta, Moldova, Montenegro, Poland, Portugal, Romania, Russian Federation, Slovakia, Spain, Switzerland, Serbia, Slovakia, Slovenia, Spain, Ukraine Oceania: Australia, New Zealand



No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			<i>Pyrus communis</i> (pir, pear), <i>Pyrus persica</i> , <i>Quercus</i> <i>lucombeana</i> , <i>Rosa</i> spp. (mawar, rose), <i>Solanum</i> <i>lycopersicum</i> (tomat, tomato), <i>Solanum nigrum</i> (leunca, black nightshade), <i>Solanum tuberosum</i> (kentang, potato), <i>Thuja</i> , <i>Urtica urens</i> (annual nettle), <i>Vigna</i> spp. (buncis, cowpea), <i>Vitis</i> spp., <i>Vitis</i> <i>arizonica</i> (canyon grape (USA)), <i>Vitis candicans</i> (Mustang grape), <i>Vitis</i> <i>rupestris</i> (sand-grape), <i>Vitis</i> <i>vinifera</i> (anggur, grapevine), <i>Vitis vinifera</i> X <i>Muscadinia</i> <i>rotundifolia</i>		
64.	<i>Xiphinema insigne</i> Loos, 1949; (Syn. <i>Xiphinema indicum</i> Siddiqi, 1959); <u>Longidoridae</u>	II	Citrus, <i>Cocos nucifera</i> (kelapa, coconut), <i>Lilium</i> sp. (lily), <i>Pennisetum purpureum</i> (rumput gajah, elephant grass), <i>Punica granatum</i> (pomegranate), <i>Vitis vinifera</i>	akar (roots)	Africa: Egypt, Mauritius, Malawi, South Africa America: USA Asia: China, India, Israel, Japan, Malaysia,

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM ( <i>SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME</i> )	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			(anggur, grapevine), <i>Zingiber officinale</i> (jahe, ginger)		Pakistan, Philippines, <u>Republic of Korea</u> (South Korea), Sri Lanka, Thailand
65.	<i>Xiphinema italiae</i> Meyl., 1953; Xiphinematidae; dagger nematode	II	<i>Citrus</i> spp., <i>Olea europea</i> subsp. <i>europaea</i> (zaitun, olive), <i>Prunus persica</i> (peach), <i>Vitis vinifera</i> (anggur, grapevine)	akar (roots), bibit dengan media tanam (seedlings with growing media), stek berakar (cuttings with root), tanah (soil)  sebagai vector (as a vector): Grup Nepovirus	Africa: Cameroon, Egypt, Libya, Nigeria, South Africa, Tunisia Europe: Greece, Italy, Spain
66.	<i>Xiphinema radicolica</i> Goodey, 1936; (Syn. <i>Xiphinema australiae</i> McLeod & Khair, 1971); Longidoridae	II	<i>Zingiber officinale</i> (jahe, ginger)	akar (roots)	America: USA Asia: China, India, Sri Langka Oceania: Australia

6. GULMA PARASITIK (*PARASITIC WEEDS*)

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM ( <i>SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	INANG/ <i>HOST</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
1.	<i>Alectra fulminensis</i> (Vell.) Stearn; (Syn. <i>Melasma melampyroides</i> Pennell ex Britton & P. Wilson); Scrophulariaceae: sugarcane weed	II	<i>Saccharum officinarum</i> (tebu, sugarcane)	mengkontamina si stek berakar, stek dengan media tanam (contaminated cuttings with root, cuttings with growing media)	America: Venezuela
2.	<i>Alectra orobanchoides</i> Benth.; (Syn. <i>Alectra heyntiae</i> (Dinter) Dinter, <i>Alectra kilimandjarica</i> Hemsl., <i>Alectra kirkii</i> Hemsl., <i>Alectra parviflora</i> (Engl.) Schinz, <i>Alectra parvifolia</i> (Engl.) Schinz, <i>Alectra welwitschii</i> (Hiern) Hemsl., <i>Celsia parvifolia</i> Engl., <i>Melasma orobanchoides</i> (Benth.) Engl., <i>Melasma parviflorum</i> (E.Mey. ex Steud.) K.Schum., <i>Melasma welwitschii</i> Hiern, <i>Nigrina orobanchodes</i> Kuntze, <i>Nigrina orobanchoides</i> (Benth.) Kuntze,	II	Fabaceae (kacang- kacangan, leguminous plants)	mengkontamina si biji (contaminated true seeds (inc. grain))	Africa: Kenya

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	<i>Orobanche heyniae</i> Dinter, <i>Orobanche parviflora</i> E. Mey., <i>Orobanche parviflora</i> E. Mey. ex Steud., <i>Pseudorobanche dregeana</i> Rouy, <i>Sopubia parviflora</i> Engl.); Scrophulariaceae; tobacco witchweed				
3.	<i>Alectra sessiliflora</i> (Vahl) Kuntze; (Syn. <i>Alectra arabica</i> Deflers, <i>Alectra avensis</i> (Benth.) Merr., <i>Alectra barbata</i> (Hiern) Melch., <i>Alectra communis</i> Hemsl., <i>Alectra cordata</i> Benth., <i>Alectra dentata</i> (Benth.) Kuntze, <i>Alectra indica</i> Benth., <i>Alectra melampyroides</i> Benth., <i>Alectra senegalensis</i> Benth., <i>Alectra sessiliflora senegalensis</i> (Benth.) Hepper, <i>Alectra sessiliflora. monticola</i> (Engl.) Melch., <i>Gerardia sessiliflora</i> Vahl, <i>Glossostylis avensis</i> Benth., <i>Hymenospermum dentatum</i> Benth., <i>Melasma avense</i> (Benth.) Hand.-Mazz., <i>Melasma indicum monticolum</i> Engl., <i>Melasma sessiliflorum</i> Hiern); Schropulariaceae; tobacco witchweed, yellow witchweed	II	Fabaceae (kacang-kacangan, leguminous plants)	mengkontamina si biji (contaminated true seeds inc. grain)	Africa: Algeria, Angola, Benin, Botswana, Burkina Faso, Burundi, Cabo Verde, Cameroon, Central African Republic, Chad, Comoros, Congo, DR Congo, Djibouti, Egypt, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Kenya, Lesotho, Liberia, Libya, Madagascar, Malawi, Mali, Mauritania,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
					Mauritius, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda, São Tomé and Príncipe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Swaziland, Togo, Tunisia, Uganda, Tanzania, Zambia, Zimbabwe Asia: China, India, Myanmar, Philippines
4.	<i>Alectra vogelii</i> Benth.; (Syn. <i>Alectra angustifolia</i> Engl. (1922), <i>Alectra merkeri</i> Engl. (1922), <i>Alectra scharensis</i> Engl. (1922); Schropulariaceae; cowpea witchweed, yellow witchweed	II	<i>Acanthospermum hispidum</i> (bristly starbur), <i>Arachis</i> , <i>Arachis hypogaea</i> (kacang tanah, peanut), <i>Glycine max</i> (kedelai, soyabean), <i>Lablab purpureus</i> (hyacinth bean), <i>Mucuna pruriens</i> (velvet bean), <i>Phaseolus acutifolius</i> (tepany bean), <i>Phaseolus coccineus</i> (runner bean), <i>Phaseolus radiata</i> ,	mengkontamina si biji (contaminated true seeds (inc. grain))	Africa: Algeria, Angola, Benin, Botswana, Burkina Faso, Burundi, Cabo Verde, Cameroon, Central African Republic, Chad, Comoros, Congo, DR Congo, Djibouti, Egypt, Equatorial Guinea, Eritrea, Ethiopia,

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			<i>Phaseolus vulgaris</i> (buncis, common bean), <i>Vigna unguiculata</i> (kacang panjang, cowpea), <i>Voandzeia subterranea</i> (bambara groundnut)		Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Kenya, Lesotho, Liberia, Libya, Madagascar, Malawi, Mali, Mauritania, Mauritius, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda, São Tomé and Príncipe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Swaziland, Togo, Tunisia, Uganda, Tanzania, Zambia, Zimbabwe Europe: Switzerland
5.	<i>Buchnera hispida</i> (Bunch.-Ham. ex D. Don); (Syn. <i>Buchnera browniana</i> Schinz, <i>Buchnera longifolia</i> Klotzsch, <i>Buchnera macrocarpa</i> A. Rich., <i>Buchnera</i>	II	<i>Setaria italic</i> (jewawut, millet), <i>Sorghum bicolor</i> (sorgum, sorghum)	mengkontamina si biji (contaminated true seeds (inc. grain))	Africa: Southeast Africa, Madagascar Asia: India

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM ( <i>SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	INANG / <i>HOST</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
	<i>schimperiana</i> Hochst. ex A. Rich., <i>Striga schimperiana</i> Hochst.); Orobanchaceae; karanji, marathi				
6.	<i>Cuscuta epilinum</i> Weihe; (Syn. <i>Cuscuta densiflora</i> Soyer-Willem., <i>Cuscuta major</i> Koch & Ziz, <i>Cuscuta vulgaris</i> J. & C. Presl, <i>Epilinella cuscutoides</i> Pfeiff.); Convolvulaceae; flax dodder	II	<i>Linum usitatissimum</i> (Flax, Linseed)	mengkontamina si biji (contaminated true seeds (inc. grain))	Africa: Algeria, Egypt, Ethiopia, Kenya, Morocco, South Africa, Uganda America: Canada, South America, USA Asia: Cyprus, Georgia, Kazakhstan, Siberia, Tazikistan Europe: Albania, Andorra, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy,

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					Latvia, Lithuania, Luxemburg, Malta, Republic of Moldova, Monaco, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, San Marino, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom
7.	<i>Cuscuta epithymum</i> (L.) L. 1774; (Syn. <i>Cuscuta alba</i> C. Presl, <i>Cuscuta barbuvea</i> Samp., <i>Cuscuta epithymum</i> subsp. <i>trifolii</i> (Bab.) Hegi, <i>Cuscuta prodanii</i> Buia, <i>Cuscuta stenoloba</i> Bornm. & O. Schwarz, <i>Cuscuta trifolii</i> Bab. (1843); Convolvulaceae; alfalfa dodder	II	<i>Achillea millefolium</i> (yarrow), <i>Asperula cynanchica</i> (squincywort), <i>Calluna vulgaris</i> (heather), <i>Daucus carota</i> (wortel, carrot), Fabaceae (kacang-kacangan, leguminous plants), Herbaceous (tanaman herba, perdu), <i>Hormathophylla spinosa</i> , <i>Lotus corniculatus</i> (bird's-	mengkontamina si biji, stek berakar, stek dengan media tanam (contaminated true seeds (inc. grain), cuttings with root, cuttings with growing media)	Africa: Algeria, Egypt, Libya, Morocco, South Africa, Tunisia America: Argentina, Bolivia, Brazil, Canada, Colombia, Chile, Dominican Republic, Ecuador, French Guiana, North America, Paraguay, Peru, Uruguay, USA,



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			foot trefoil), <i>Medicago sativa</i> (lucerne), <i>Pteridium</i> <i>esculentum</i> , <i>Thymus</i> <i>praecox</i> , <i>Trifolium pratense</i> (red clover), <i>Ulex europaeus</i> (gorse), <i>Ziziphus lotus</i> (wild jujube)		Venezuela Asia: Afghanistan, Armenia, Azerbaijan, Georgia, Iran, Israel, Japan, Jordan, Kazakhstan, Lebanon, Pakistan, Syria, Turkey, West Asia Europe: Albania, Andorra, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxemburg, Malta, Republic of Moldova, Monaco, Montenegro, Netherlands, North

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					Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, San Marino, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand
8.	<i>Cuscuta gronovii</i> Willd. ex Schult.; (Syn. <i>Cuscuta calyptрата</i> (Engelmann) Engelmann ex Small, Fl. S.E. U.S. 969. 1903., <i>Cuscuta gronovii</i> Willdenow ex Schultes, var. <i>calyptрата</i> Engelmann, Trans. Acad. Sci. St. Louis 1: 508. 1859., <i>Cuscuta gronovii</i> Willdenow ex Schultes, var. <i>saururi</i> (Engelmann) MacMillan, Metasp. Minnesota Valley 430. 1892, nom. illegit., <i>Cuscuta gronovii</i> Willdenow ex Schultes, var. <i>vulvivaga</i> Engelmann, Trans. Acad. Sci. St. Louis 1: 508. 1859, nom. inadmiss., <i>Cuscuta saururi</i>	II	<i>Apium graveolens</i> (seledri, celery), Herbaceous (tanaman herba, perdu), <i>Piper nigrum</i> (lada, pepper), <i>Solanum tuberosum</i> (kentang, potato)	mengkontamina si biji, umbi, stek berakar, stek dengan media tanam (contaminated true seeds (inc. grain), tubers, cuttings with root, cuttings with growing media)	America: Canada, Mexico, USA Asia: Georgia Europe: Albania, Andorra, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary,

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	Engelmann, Amer. J. Sci. Arts 43: 339. 1842., <i>Cuscuta vulgivaga</i> Engelmann, Amer. J. Sci. Arts 43: 338. 1842, nom. illegit., <i>Epithymum gronovii</i> (Willdenow ex Schultes) Nieuwland & Lunell, in Lunell, Amer. Midl. Naturalist 4: 511. 1916., <i>Grammica gronovii</i> (Willdenow ex Schultes) Hadac & Chrtek, Folia Geobot. Phytotax. 5: 445. 1970., <i>Cuscuta gronovii</i> Willdenow ex Schultes, var. <i>latiflora</i> Engelmann, Trans. Acad. Sci. St. Louis 1: 508. 1859.); Convolvulaceae; common dodder, scaldweed, swamp dodder				Iceland, Ireland, Italy, Latvia, Lithuania, Luxemburg, Malta, Republic of Moldova, Monaco, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, San Marino, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom
9.	<i>Cuscuta indecora</i> Choisy; Convolvulaceae; bigseed alfalfa dodder, thin-vine dodder	II	Fabaceae (kacang-kacangan, leguminous plants)	mengkontamina si biji (contaminated true seeds (inc. grain))	Africa: Morocco America: Argentina, Bolivia, Brazil, Colombia, Chile, Dominican Republic, Ecuador, French Guiana, North America, Paraguay, Peru, Uruguay,

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					Venezuela Europe: Greece
10.	<i>Cuscuta japonica</i> Choisy, 1854; (Syn. <i>Cuscuta formosana</i> Hay (1972), <i>Cuscuta systyla</i> Maxim. (1859), <i>Cuscuta upcraftii</i> H. Pearson (1906), <i>Mongynella japonica</i> (Choisy) Hadac & Chrtek. (1970)); Convolvulaceae; dodder seed, Japanese dodder	II	<i>Allium cepa</i> (bawang bombay, onion), <i>Asparagus officinalis</i> (asparagus, asparagus), <i>Broussonetia papyrifera</i> (paper mulberry), Citrus, <i>Citrus maxima</i> (pummelo), <i>Dimocarpus longan</i> (longan tree), <i>Diospyros kaki</i> (kesemek, persimmon), <i>Impatiens balsamina</i> (garden balsam), <i>Ipomoea cairica</i> (five- fingered morningglory), <i>Lantana camara</i> (lantana), <i>Malus sylvestris</i> (crab-apple tree), <i>Medicago sativa</i> (lucerne), <i>Mimosa diplotricha</i> (creeping sensitive plant), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Panax ginseng</i> (Asiatic ginseng), <i>Pelargonium zonale</i> hybrids,	mengkontamina si biji, umbi (contaminated true seeds (inc. grain), bulbs (inc. tubers, corms, rhizomes))	Asia: China, Japan, Mongolia, Republic of Korea (South Korea), Taiwan, Vietnam America: USA Europe: Russian Federation

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			Prunus (stone fruit), <i>Pueraria montana</i> var. <i>lobata</i> (kudzu), <i>Quercus</i> (oaks), <i>Solanum</i> <i>lycopersicum</i> (tomat, tomato), <i>Solanum</i> <i>melongena</i> (terong, aubergine, eggplant), <i>Solanum tuberosum</i> (kentang, potato), <i>Solidago</i> <i>canadensis</i> (Canadian goldenrod), <i>Sphagneticola</i> <i>calendulacea</i> , <i>Vitis vinifera</i> (anggur, grapevine)		
11.	<i>Cuscuta monogyna</i> (Vahl.); (Syn. <i>Cuscuta astyla</i> Engelm., <i>Cuscuta</i> <i>scandens</i> Brot., <i>Monogynella</i> <i>blancheana</i> (Vahl.) Des. Mould. ex Engelm., <i>Monogynella monogyna</i> (Vahl.) Hadac. and Chartek., <i>Monogynella vahliana</i> (Vahl.) Des. Mould.); Convolvulaceae; eastern dodder	II	<i>Citrus</i> spp., Fabaceae (kacang-kacangan, leguminous plants), <i>Salix</i> , <i>Tamarix</i>	mengkotaminas i biji, bibit dengan media tanam, stek contaminated true seeds (inc. grain), seedlings with growing media, cuttings)	Asia: Afghanistan, Central East Asia, Southwest Asia Europe: France, South Europe Oceania:

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12.	<i>Cuscuta pedicellata</i> (Ledeb.); (Syn. <i>Cassutha arabica</i> Des Moul., <i>Cuscuta aegyptiaca</i> Trab., <i>Cuscuta lentis</i> Stapf, <i>Grammica arabica</i> (Wight) Des Moul.); Convolvulaceae	II	Fabaceae (kacang- kacangan, leguminous plants)	mengkotaminas i biji (contaminated true seeds (inc. grain))	Asia: Central Asia, Central East Asia Oceania: Eastern Mediterranean
13.	<i>Cuscuta planiflora</i> (Ten.); (Syn. <i>Cuscuta balansae</i> var. <i>mossamedensis</i> (Welw. ex Hiern) Yunck., <i>Cuscuta planiflora</i> var. <i>mossamedensis</i> Welw. ex Hiern, <i>Cuscuta planiflora</i> var. <i>planiflora</i> , <i>Cuscuta planiflora</i> var. <i>tenorii</i> Engelm., <i>Succuta alba</i> Des Moul., <i>Cuscuta approximata</i> Bab.); Convolvulaceae; red dodder	II	Fabaceae (kacang- kacangan, leguminous plants)	mengkotaminas i biji (contaminated true seeds (inc. grain))	America: North America Asia: Central Asia Oceania: Mediterranean
14.	<i>Melampyrum arvense</i> L.; (Syn. <i>Melampyrum arvense</i> subsp. <i>aestivum</i> Govor., <i>Melampyrum arvense</i> subsp. <i>pseudobarbatum</i> Ronniger, <i>Melampyrum arvense</i> subsp. <i>vernum</i> Govor.); Orobanchaceae; field cow-wheat, horse flower, purple	II	Cereal, <i>Hordeum vulgare</i> (barli, barley), <i>Triticum aestivum</i> (gandum, wheat)	mengkotaminas i biji (contaminated true seeds (inc. grain))	Asia: West Asia Europe: Belgium, France, Germany, Netherlands

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	cow-wheat				
15.	<i>Odontites verna</i> (Bell) Dum; Orobanchaceae; red bartsia, eyebright, red rattle, Perlina di Primavera	II	<i>Medicago sativa</i> (alfalfa, lucerne), Poaceae (grasses), <i>Triticum aestivum</i> (gandum, wheat)	mengkotaminas i biji (contaminated true seeds (inc. grain))	America: Canada, Mexico, USA Asia: Turkey Europe: Germany, Southeast Europe
16.	<i>Orobanche cernua</i> Loefl.; (Syn. <i>Orobanche bicolor</i> CA Meyer, <i>Orobanche cernua</i> var. <i>cumana</i> (Wallr.) G. Beck, <i>Orobanche curviflora</i> Viv., <i>Orobanche gallica</i> Grenier, <i>Orobanche glaucantha</i> Trautvetter, <i>Orobanche hispanica</i> Boissier, <i>Orobanche nicotiana</i> Wight, <i>Orobanche pogonantha</i> Reuter in DC.); Orobanchaceae; nodding broomrape	II	Artemisia (wormwoods), <i>Artemisia barrelieri</i> , <i>Artemisia campestris</i> , <i>Capsicum annuum</i> (paprika, bell pepper), <i>Cuminum cuminum</i> (cumin), <i>Datura metel</i> (Hindu datura), Galinsoga, <i>Galinsoga parviflora</i> (gallant soldier), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Olea europaea</i> (zaitun, olive), <i>Petunia hybrida</i> , <i>Plantago ovata</i> (spogel plantain), <i>Prunus armeniaca</i> (aprikot, apricot), <i>Prunus persica</i> (peach), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum</i>	mengkotaminas i biji, umbi, stek (contaminated true seeds (inc. grain), bulbs (inc. tubers, corms, rhizomes), cuttings)	Africa: Algeria, Egypt, Ethiopia, Kenya, Morocco, Niger, Somalia, Sudan, Tanzania, Tunisia, Uganda Asia: Afghanistan, Bahrain, China, Georgia, India, Iran, Iraq, Israel, Jordan, Kazakhstan, Kuwait, Kyrgyzstan, Lebanon, Mongolia, Nepal, Oman, Pakistan, Saudi Arabia, Syria, Tajikistan, Turkey, Turkmenistan, Uzbekistan, Yemen Europe: Bosnia and

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			<i>melongena</i> (terung, aubergine, eggplant), <i>Solanum nigrum</i> (leunca, black nightshade), Solanaceae, <i>Solanum tuberosum</i> (kentang, potato), <i>Sonchus oleraceus</i> (common sowthistle), <i>Withania somnifera</i> (poisonous gooseberry), Xanthium (Cocklebur), <i>Xanthium strumarium</i> (common cocklebur), Asteraceae (tanaman compositae)		Herzegovina, Bulgaria, Croatia, Czech Republic, France, Greece, Hungary, Italy, Malta, Montenegro, North Macedonia, Romania, Russian Federation, Serbia, Spain, Slovakia, Slovenia, United Kingdom Oceania: Australia
17.	<i>Orobanche foetida</i> (Poir.); (Syn. <i>Catodiacrum foetidum</i> Dulac); Orobanchaceae; broomrapes	II	Fabaceae (kacang-kacangan, leguminous plants)	mengkotaminas i biji (contaminated true seeds/grain)	Africa: Balearic Islands, Morocco, Tunisia Europe: Spain
18.	<i>Orobanche gracilis</i> (SM.); (Syn. <i>Catodiacrum cruentum</i> Dulac, <i>Orobanche cruenta</i> Bertol., <i>Orobanche grandiuscula</i> Moris); Orobanchaceae;	II	Fabaceae (kacang-kacangan, leguminous plants)	mengkotaminas i biji (contaminated true seeds (inc. grain))	Africa: Burundi, Kenya, Rwanda, Tanzania, Uganda Europe: South East Europe



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	broomrapes				
19.	<p><i>Orobanche ramosa</i> L. (1753); (Syn. <i>Kopsia interrupta</i> (Pers.) Dumort. (1822), <i>Kopsia ramosa</i> Dumortiet (1822), <i>Orobanche cannabis</i> Vaucher (1828), <i>Orobanche interrupta</i> Pers. (1807), <i>Orobanche micrantha</i> Wallroth (1822), <i>Phelipanche ramosa</i> (L.) Pomel (1874), <i>Philipaea ramosa</i> C.A. Meyer (1831)); Orobanchaceae; branched broomrape</p>	II	<p><i>Allium cepa</i> (bawang bombay, onion), <i>Apium graveolens</i> (seledri, celery), <i>Arachis hypogaea</i> (kacang tanah, peanut), <i>Brassica napus</i> var. <i>oleifera</i>, <i>Brassica</i> spp., <i>Cannabis sativa</i> (hemp), <i>Capsicum annuum</i> (paprika, bell pepper, red pepper), <i>Carthamus tinctorius</i> (safflower), <i>Carum carvi</i> (caraway), <i>Cicer arietinum</i> (chickpea), <i>Citrullus lanatus</i> (semangka, watermelon), <i>Coriandrum sativum</i> (ketumbar, coriander), <i>Cucumis melo</i> (melon, melon), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Cucurbita</i> (pumpkin), <i>Daucus carota</i> (wortel, carrot), <i>Foeniculum vulgare</i> (fennel), <i>Helianthus annuus</i></p>	<p>mengkotaminas i biji, umbi (contaminated true seeds (inc. grain), bulbs (inc. tubers, corms, rhizomes))</p>	<p>Africa: Algeria, Egypt, Eritrea, Ethiopia, Kenya, Libya, Mali, Morocco, Namibia, North Africa, South Africa, Sudan, Tanzania, Tunisia, Zimbabwe America: Canada, Chile, Cuba, Mexico, USA Asia: Afghanistan, Armenia, Azerbaijan, China, Georgia, India, Iran, Iraq, Israel, Jordan, Lebanon, Nepal, Oman, Pakistan, Qatar, Saudi Arabia, Syria, Turkey, Yemen Europe: Albania, Austria, Belarus, Belgium, Bulgaria, Corsica, Cyprus, Czech</p>

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM ( <i>SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	INANG / <i>HOST</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
			(bunga matahari, sunflower), <i>Lactuca sativa</i> (selada, lettuce), <i>Lens culinaris</i> ssp. <i>culinaris</i> (lentil), <i>Medicago lupulina</i> (black medick), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Pastinaca sativa</i> (parsnip), <i>Pisum sativum</i> (kapri, sweet pea), <i>Prunus armeniaca</i> (apricot), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum melongena</i> (terong, aubergine, eggplant), <i>Solanum tuberosum</i> (kentang, potato), <i>Trachyspermum copticum</i> , <i>Trifolium alexandrinum</i> (Berseem clover), <i>Trifolium</i> spp., <i>Trigonella foenum-graecum</i> (fenugreek), <i>Vicia faba</i> (broad bean)		Republic, France, Germany, Greece, Hungary, Italy, Malta, Moldova, Netherlands, Poland, Portugal, Rumania, Russian Federation, Spain, Slovakia, Switzerland, United Kingdom Oceania: Australia
20.	<i>Rhamphicarpa fistulosa</i> (Hochst.) Benth.;	II	<i>Arachis hypogaea</i> (kacang tanah, peanut), <i>Corchorus</i>	mengkotaminas i biji, stolon	Africa: Angola, Benin, Botswana, Burkina

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	(Syn. <i>Macrosiphon elongatus</i> Hochst., <i>Macrosiphon fistulosus</i> Hochst, <i>Rhamphicarpa longiflora</i> Benth.); Orobanchaceae; fishing-net plant		<i>olitorius</i> (jute), <i>Glycine max</i> (kedelai, soyabean), <i>Oryza</i> <i>glaberrima</i> (African rice), <i>Oryza sativa</i> (padi, paddy, rice), <i>Pennisetum glaucum</i> (pearl millet), Poaceae (rumput-rumputan), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Zea mays</i> (jagung, corn, maize)	(contaminated true seeds (inc. grain), stolons)	Faso, Burundi, Cameroon, Central African Republic, Chad, Congo, DR Congo , Egypt, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea- Bissau, Ivory Coast, Kenya, Madagascar, Malawi, Mali, Mozambique, Namibia, Niger, Nigeria, Senegal, Sierra Leone, South Africa, Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe Oceania: Australia, Papua New Guinea
21.	<i>Rhinanthus angustifolius</i> C. C. Gmel.; (Syn. <i>Alectorolophus hirsutus</i> subsp. <i>major</i> (Rchb.) Celak., 1873, <i>Alectorolophus major</i> Wimm., <i>Rhinanthus alpinus</i> subsp. <i>montanus</i>	II	<i>Hordeum vulgare</i> (barli, barley), <i>Triticum aestivum</i> (gandum, wheat)	mengkotaminas i biji (contaminated true seeds (inc. grain))	America: Canada, Mexico, USA Asia: Georgia, Turkey Europe: Armenia, Austria, Azerbaijan,

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	(Saut.) Nyman, 1881, <i>Rhinanthus crista-galli</i> subsp. <i>angustifolius</i> (C. C. Gmel.) Bonnier & Layens, 1894, <i>Rhinanthus major</i> subsp. <i>aestivalis</i> P. Fourn., 1937, <i>Rhinanthus major</i> subsp. <i>apterus</i> (Fr.) P. Fourn., 1937, <i>Rhinanthus major</i> subsp. <i>glaber</i> , <i>Rhinanthus major</i> var. <i>serotinus</i> , Schonh. ex Halacsy & Heinr. Braun, <i>Rhinanthus minor</i> subsp. <i>major</i> , <i>Rhinanthus parviflorus</i> Noulet, 1837, <i>Rhinanthus serotinus</i> subsp. <i>angustifolius</i> (C. C. Gmel.) Dostal); Orobanchaceae; greater yellow-rattle				Belgium, Belarus, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Hungary, Latvia, Lithuania, Moldova, Netherlands, North Macedonia, Norway, Poland, Romania, Slovenia, Russian Federation, Sweden, Switzerland, Ukraine, United Kingdom
22.	<i>Rhinanthus minor</i> L.; (Syn. <i>Alectorolophus crista-galli</i> (L.) Bieb., <i>Alectorolophus crista-galli</i> subsp. <i>stenophyllus</i> (Schur) Maly, 1919, <i>Alectorolophus drummond-hayi</i> Sterneck, <i>Alectorolophus glaber</i> All., <i>Alectorolophus glaber</i> G. Beck, <i>Alectorolophus glandulosus</i> Sterneck, <i>Alectorolophus groenlandicus</i> var. <i>drummond-hayi</i> (F. B. White) Ostenf.,	II	<i>Hordeum vulgare</i> (barli, barley), <i>Triticum aestivum</i> (gandum, wheat)	mengkotaminas i biji (contaminated true seeds (inc. grain))	America: Canada, Mexico, USA Asia: Afghanistan, Bahrain, Georgia, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, Syria, Turkey, United Arab Emirates, Yemen

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	<p><i>Alectorolophus kyrollae</i> (Chabert) Sterneck, <i>Alectorolophus minor</i> (L.) Dumort., <i>Alectorolophus minor</i> (L.) Rchb., <i>Alectorolophus minor</i> (L.) Wimm. &amp; Grab., <i>Alectorolophus parviflorus</i> Wallr., <i>Alectorolophus parviflorus</i> var. <i>stenophyllus</i> (Schur) Rouy, 1909, <i>Alectorolophus pulchella</i> Schum., <i>Alectorolophus pulchella</i> Schum. ex Wimm., <i>Alectorolophus pulcher</i> Schum., <i>Alectorolophus pulcher</i> Schum. ex Wimm., <i>Alectorolophus ramosus</i> Schur, <i>Alectorolophus rigidus</i> Sterneck, <i>Alectorolophus serotinus</i> G.Beck, <i>Fistularia crista-galli</i> (L.) Wettst., <i>Fistularia minor</i> (L.) Kuntze, <i>Mimulus crista-galli</i> (L.) Scop., <i>Rhinanthus balticus</i> Schneider, <i>Rhinanthus borealis</i> subsp. <i>kyrollae</i> (Chabert) Pennell, <i>Rhinanthus borealis</i> subsp. <i>kyrolliae</i> (Chabert) Pennell, <i>Rhinanthus crista-galli</i> L., <i>Rhinanthus crista-galli</i> subsp. <i>minor</i> (L.) Bonnier &amp; Layens, 1894, <i>Rhinanthus crista-galli</i> subsp. <i>stenophyllus</i> (Schur) Soó, 1929,</p>				<p>Europe: Armenia, Azerbaijan, Cyprus, Russian Federation</p>

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	<p><i>Rhinanthus crista-galli</i> var. <i>crista-galli</i>  <i>Rhinanthus crista-galli</i> var. <i>drummond-hayi</i> Buchanan-White, <i>Rhinanthus crista-galli</i> var. <i>fallax</i> W.D.J.Koch, <i>Rhinanthus crista-galli</i> var. <i>fallax</i> W.D.J.Koch ex E.F.Linton, <i>Rhinanthus drummond-hayi</i> (Buch.-White) Druce, <i>Rhinanthus glaber</i> Lam., <i>Rhinanthus glaber</i> subsp. <i>minor</i> (L.) Schübl. &amp; G.Martens, 1834, <i>Rhinanthus hercynicus</i> O. Schwarz, <i>Rhinanthus kyrollae</i> Chabert, <i>Rhinanthus kyrolliae</i> Chabert, <i>Rhinanthus minor</i> Ehrh., 1791, <i>Rhinanthus minor</i> subsp. <i>minor</i> <i>Rhinanthus minor</i> subsp. <i>monticola</i> (Lamotte) O. Schwarz, <i>Rhinanthus minor</i> subsp. <i>monticola</i> (Lamotte) P.Fourn., 1937, <i>Rhinanthus minor</i> subsp. <i>perrieri</i> (Chabert) P. Fourn., 1937, <i>Rhinanthus minor</i> subsp. <i>stenophyllus</i> (Schur) P. Fourn., 1937, <i>Rhinanthus minor</i> var. <i>balticus</i> (U.Schneider) D. Hartl, <i>Rhinanthus minor</i> var. <i>drummond-hayi</i> (F.B.White) Á.Löve, 1970, <i>Rhinanthus minor</i> var.</p>				

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	<p><i>hercynicus</i> (O.Schwarz) D. Hartl, <i>Rhinanthus minor</i> var. <i>minor</i> Schur, 1866, <i>Rhinanthus minor</i> var. <i>monticola</i> Lamotte, 1881, <i>Rhinanthus parviflorus</i> Bluff. &amp; Fingerh., <i>Rhinanthus pratensis</i> Vill., <i>Rhinanthus ramosus</i> Schur, <i>Rhinanthus rigidus</i> Chabert, <i>Rhinanthus spadiceus</i> E.Willm., 1940, <i>Rhinanthus stenophyllus</i> (Schur) Druce, 1901, <i>Rhinanthus stenophyllus</i> Schur, <i>Rhinanthus trixago</i> Thuill., <i>Rhinanthus vulgaris</i> Hill); Orobanchaceae; cockscomb, little yellow rattle, yellow rattle</p>				
23.	<p><i>Striga aspera</i> (Willd.) Benth. (1836); (Syn. <i>Euphrasia aspera</i> Willd. (1801)); Orobanchaceae; parasitic weed, witchweed</p>	II	<p>Millet, <i>Oryza sativa</i> (padi, paddy, rice), <i>Sorghum</i> <i>bicolor</i> (sorgum, sorghum), <i>Urochloa ramosa</i> (browntop millet), <i>Zea mays</i> (jagung, corn, maize)</p>	<p>mengkotaminas i biji (contaminated true seeds (inc. grain))</p>	<p>Africa: Benin, Burkina Faso, Cameroon, Central African Republic, Ivory Coast, Ethiopia, Gambia, Guinea-Bissau, Malawi, Mali, Niger, Nigeria, Senegal, Sudan, Tanzania, Togo</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
24.	<i>Striga forbesii</i> (Benth); (Syn. <i>Buchnera forbesii</i> (Benth) D. Dietr.); Orobanchaceae; parasitic weed, giant maize witchweed, giant mealie witchweed	II	<i>Sorghum bicolor</i> (sorgum, sorghum), <i>Zea mays</i> (jagung, corn, maize)	mengkotaminas i biji (contaminated true seeds (inc. grain))	Africa: Madagascar, South Africa
25.	<i>Striga gesnerioides</i> (Willd) Vatke (1875); (Syn. <i>Buchnera gesnerioides</i> Willd. (1800), <i>Buchnera hydrabadensis</i> Roth. (1821), <i>Buchnera orobanchoides</i> R.Br. (1814), <i>Striga orobanchoides</i> R.Br. Benth. (1836)); Orobanchaceae; cowpea witchweed	II	<i>Euphorbia abyssinica</i> , <i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Indigofera</i> <i>hirsuta</i> (hairy indigo), <i>Jacquemontia tamnifolia</i> (Smallflower morningglory), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Oryza</i> <i>glaberrima</i> (African rice), <i>Vigna</i> spp. (cowpea), <i>Vigna</i> <i>unquiculata</i> (cowpea)	mengkotaminas i biji, umbi (contaminated true seeds (inc. grain), tubers)	Africa: Benin, Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Congo, DR Congo , Egypt, Eritrea, Ethiopia, Gambia, Ghana, Guinea, Kenya, Lesotho, Malawi, Mali, Mauritania, Morocco, Mozambique, Namibia, Niger, Nigeria, Senegal, Sierra Leone, Somalia, South Africa, Sudan, Swaziland, Tanzania, Togo, Zambia, Zimbabwe



No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM ( <i>SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	INANG / <i>HOST</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
					America: Guyana, USA Asia: Cambodia, India, Japan, Morocco, Nepal, Oman, Pakistan, Saudi Arabia, Sri Langka, Yemen Oceania: Australia
26.	<i>Striga hermonthica</i> (Del.) Benth. (1836); (Syn. <i>Buchnera hermontheca</i> Del. (1813), <i>Striga hermontheca</i> (Del.) Benth. (1836), <i>Striga senegalensis</i> Benth. (1846)); Orobanchaceae; parasitic weed, purple witchweed	II	<i>Brachiaria</i> spp. (signalgrass), <i>Cymbopogon</i> spp., <i>Cynodon</i> spp. (quickgrass), <i>Dactyloctenium aegyptium</i> (crowfoot grass), <i>Eleusine coracana</i> (finger millet), <i>Eleusine indica</i> (goose grass), <i>Eragrostis tef</i> (teff), <i>Hordeum vulgare</i> (barli, barley), <i>Oryza sativa</i> (padi, paddy, rice), <i>Panicum</i> (millets), <i>Panicum walense</i> , <i>Paspalum scrobiculatum</i> (ricegrass paspalum), <i>Pennisetum glaucum</i> (pearl millet), <i>Rottboellia cochinchinensis</i> (itch grass), <i>Saccharum officinarum</i>	mengkotaminas i biji, stolon, rhizome (contaminated true seeds (inc. grain), stolons, rhizomes)	Africa: Angola, Benin, Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, Congo, DR Congo , Egypt, Eritrea, Ethiopia, Gambia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Kenya, Madagascar, Malawi, Mali, Mauritania, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, South Africa, Sudan, Swaziland,

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			(tebu, sugarcane), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Sorghum halepense</i> (johnson grass), <i>Zea mays</i> (jagung, corn, maize)		Tanzania, Togo, Uganda, Zambia, Zimbabwe Asia: Cambodia, Saudi Arabia, Yemen
27.	<i>Striga latericea</i> (Vatke); (Syn. <i>Cycnium strictum</i> Engl., <i>Striga somaliensis</i> Skan); Orobanchaceae; parasitic weed	II	<i>Saccharum officinarum</i> (tebu, sugarcane)	mengkotaminas i stek (contaminated cuttings)	Africa: Ethiopia, Central African Republic, Kenya, Mali, Somalia, Tanzania
28.	<i>Striga passargei</i> (Engl.); Orobanchaceae; parasitic weed	II	<i>Zea mays</i> (jagung, corn, maize)	mengkotaminas i biji (contaminated true seeds (inc. grain))	Africa: Nigeria, Senegal, Sudan, Tanzania Asia: Saudi Arabia
29.	<i>Thesium australe</i> (R. Br.); (Syn. <i>Linosyris australis</i> (R.Br.) Kuntze); Santalaceae; Austral toadflax, Austral Toad-flax, Australian Toadflax	II	<i>Hordeum vulgare</i> (barli, barley), grasses, <i>Saccharum officinarum</i> (tebu, sugarcane)	mengkotaminas i biji, stek (contaminated true seeds (inc. grain), cuttings)	Africa America: USA Asia: China Europe: Spain Oceania: Australia
30.	<i>Thesium humile</i> (Vahl.); Santalaceae; lesser bastard toadflax	II	<i>Hordeum vulgare</i> (barli, barley), grasses, <i>Saccharum officinarum</i> (tebu, sugarcane)	mengkotaminas i biji, stek (contaminated true seeds (inc.	Africa: North Africa Asia: Israel Europe: Spain

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM ( <i>SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	INANG/ <i>HOST</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
				grain), cuttings)	
31.	<i>Thesium resedoides</i> A.W. Hill; Santalaceae	II	<i>Hordeum vulgare</i> (barli, barley), grasses, <i>Saccharum officinarum</i> (tebu, sugarcane)	mengkotaminas i biji, stek (contaminated true seeds (inc. grain), cuttings)	Africa: South Africa

7. GULMA NON-PARASITIK (*NON-PARASITIC WEEDS*)

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM ( <i>SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	HABITAT BUDIDAYA/ <i>CULTIVATION HABITAT</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
1.	<i>Agropyron repens</i> (L.) Beauv. (1812); (Syn. <i>Elymus repens</i> (L.) Gould 1947, <i>Elytrigia repens</i> (L.) Nevski 1933, <i>Triticum repens</i> L. (1753)); Poaceae; couch grass, dog grass, quack grass, quick grass, rope twich, scotch quelch,	II	hutan tanaman industri (industrial forest), hortikultura (horticulture), tanaman pangan (food crops), tanaman perkebunan (estate crops)	mengkontamina si biji, bibit, media tanam (contaminated true seeds (inc. grain), seedlings,	Africa: Egypt, Nigeria America: Argentina, Canada, Ecuador, USA Asia: Afghanistan, Bangladesh, Georgia, India, Iran, Israel, Japan, Kazakhstan,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM ( <i>SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	HABITAT BUDIDAYA/ <i>CULTIVATION HABITAT</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
	twich grass, wikens, wicks			growing media associated with plants)	Mongolia, Pakistan, Turkey Europe: Armenia, Austria, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Lithuania, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand, Papua New Guinea

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	HABITAT BUDIDAYA/ CULTIVATION HABITAT	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
2.	<p><i>Alopecurus myosuroides</i> Huds. (1762); (Syn. <i>Alopecurus agrestis</i> L. (1762), <i>Alopecurus coerulescens</i> Stedu. &amp; Hochst. ex Stedu. (1840), <i>Alopecurus</i> <i>myosuroides</i> var. <i>versicolor</i> (Biasol.) Roshev. (1927), <i>Alopecurus</i> <i>purpurascens</i> Link (1844), <i>Tozzettia</i> <i>agrestis</i> (L.) Bubani (1901)); Poaceae; black-grass, black twitch, slender meadow foxtail, twitch grass</p>	II	hutan tanaman industri (industrial forest), hortikultura (horticulture), tanaman pangan (food crops), tanaman perkebunan (estate crops)	mengkontamina si biji, bibit, media tanam (contaminated true seeds (inc. grain), seedlings, growing media associated with plants)	<p>Africa: Algeria, Egypt, Ivory Coast, Libya, North Africa, Tunisia America: Argentina, Bolivia, Canada, Chile, Mexico, Peru, USA, Uruguay Asia: Afghanistan, China, Georgia, India, Iran, Iraq, Israel, Jordan, Kazakhstan, Kyrgyzstan, Lebanon, Pakistan, Republic of Korea (South Korea), Saudi Arabia, Taiwan, Tajikistan, Turkey, Turkmenistan, Uzbekistan Europe: Albania, Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, France, Germany, Greece, Hungary, Italy,</p>

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					Latvia, Lithuania, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom, Ukraine Oceania: Australia, New Zealand
3.	<i>Asphodelus fistulosus</i> L. (1753); (Syn. <i>Asphodelus tenuifolius</i> Cav.); Liliaceae; onion weed, asphodelus, wild onion, onion-leafed, pink asphodel, asphodel	II	hutan tanaman industri (industrial forest), hortikultura (horticulture), tanaman pangan (food crops), tanaman perkebunan (estate crops)	mengkontamina si biji, bibit, media tanam (contaminated true seeds (inc. grain), seedlings, growing media associated with plants)	Africa: Algeria, Egypt, Mauritius, Morocco, Sudan America: Bolivia, Mexico, Peru, USA Asia: Afghanistan, Bangladesh, India, Iran, Iraq, Israel, Malaysia, Nepal, Oman, Pakistan, Saudi Arabia, Turkey, Yemen Europe: Bosnia and Herzegovina, Croatia,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	HABITAT BUDIDAYA/ CULTIVATION HABITAT	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
					France, Greece, Italy, Montenegro, North Macedonia, Portugal, Serbia, Slovenia, Spain, Oceania: Australia, New Zealand
4.	<i>Cirsium arvense</i> (L.) Scop. (1772); (Syn. <i>Cirsium incanum</i> Bieb., <i>Cirsium lanatum</i> Spreng., <i>Cirsium setosum</i> (Willd.) Bieb., <i>Cnicus arvensis</i> Hoffm.); Asteraceae; California thistle, Canada thistle, creeping thistle, field thistle	II	hutan tanaman industri (industrial forest), hortikultura (horticulture), tanaman pangan (food crops), tanaman perkebunan (estate crops)	mengkontaminasi biji, bibit, media tanam (contaminated true seeds (inc. grain), seedlings, growing media associated with plants)	Africa: Angola, South Africa, Sudan, Swaziland, Tunisia, Zimbabwe America: Alaska, Brazil, Canada, Chile, Hawaii, USA, Asia: Afghanistan, China, DPR Korea (North Korea), Georgia, India, Iran, Japan, Lebanon, Pakistan, Republic of Korea (South Korea), Turkey, Turkmenistan Europe: Albania, Armenia, Austria, Azerbaijan, Belarus,

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM ( <i>SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	HABITAT BUDIDAYA / <i>CULTIVATION HABITAT</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
					Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Moldova, North Macedonia, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom, Ukraine, Oceania: Australia, New Zealand
5.	<i>Digitaria scalarum</i> (Schweinf.) Chiov. (1916); (Syn. <i>Digitaria abyssinica</i> (A. Rich.)	II	hutan tanaman industri (industrial forest), hortikultura (horticulture),	mengkontaminasi biji, bibit, media tanam	Africa: Burundi, Cameroon, Ethiopia, Kenya, Madagascar,



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	HABITAT BUDIDAYA/ CULTIVATION HABITAT	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	<p>Stapf. 1907), <i>Digitaria abyssinica</i> var. <i>scalarum</i> (Schweinf.) Stapf (1907), <i>Digitaria eichingeri</i> Mez (1921), <i>Digitaria hackelii</i> (Pilg.) Stapf (1919), <i>Digitaria merkeri</i> Mez (1921), <i>Digitaria mutica</i> Rendle (1911), <i>Digitaria scalarum</i> (Schweinf.) Chiov. (1916), <i>Digitaria somaliensis</i> Chiov. (1917), <i>Digitaria tangaensis</i> Henr. (1934), <i>Digitaria vestita</i> Fig. &amp; De Not. (1854), <i>Panicum abyssinicum</i> A. Rich. (1851), <i>Panicum hackelii</i> Pilg. (1901), <i>Panicum kafuroense</i> K. Schum. (1807), <i>Panicum muticum</i> A. Rich. (1851), <i>Panicum scalarum</i> Schweinf. (1894)); Poaceae; East African coughgrass</p>		tanaman pangan (food crops), tanaman perkebunan (estate crops)	(contaminated true seeds (inc. grain), seedlings, growing media associated with plants)	Malawi, Nigeria, Rwanda, Seychelles, Somalia, Sudan, Swaziland, South Africa, Tanzania, Uganda, Zambia, Zimbabwe Asia: India, Saudi Arabia, Sri Lanka
6.	<p><i>Emex australis</i> Steinh.; (Syn. <i>Emex centropodium</i> Meisner, <i>Vibrio australis</i> Greene); Polygonaceae; spiny emex, doublegee, three-cornered jack</p>	II	hutan tanaman industri (industrial forest), hortikultura (horticulture), tanaman pangan (food crops), tanaman perkebunan (estate crops)	mengkontaminasi biji, bibit, media tanam (contaminated true seeds (inc. grain), seedlings, growing media	Africa: Ascension, Botswana, Kenya, Lesotho, Madagascar, Malawi, Mauritius, Namibia, Saint Helena, South Africa, Tanzania, Zambia, Zimbabwe

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM ( <i>SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	HABITAT BUDIDAYA / <i>CULTIVATION HABITAT</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
				associated with plants)	America: Hawaii, Trinidad and Tobago, USA Asia: India, Japan, Pakistan, Taiwan Oceania: Australia, New Zealand
7.	<i>Parthenium hysterophorus</i> L.; (Syn. <i>Argyrochaeta bipinnatifida</i> Cav., <i>Argyrochaeta parviflora</i> Cav., <i>Parthenium glomeratum</i> Rollins, <i>Parthenium lobatum</i> Buckl., <i>Villanova pinnatifida</i> Ortega); Asteraceae; parthenium weed, congress grass, whiteheads, barley flower	II	hutan tanaman industri (industrial forest), hortikultura (horticulture), tanaman pangan (food crops), tanaman perkebunan (estate crops)	mengkontaminasi biji, bibit, media tanam (contaminated true seeds (inc. grain), seedlings, growing media associated with plants)	Africa: Bostwana, Comoros, Djibouti, Egypt, Eritrea, Ethiopia, Kenya, Madagascar, Mauritius, Mayotte, Mozambique, Réunion, Rwanda, Seychelles, Somalia, South Africa, Swaziland, Tanzania, Uganda, Zimbabwe America: Anguilla, Antigua and Barbuda, Aruba, Argentina, Bahamas, Barbados, Bermuda, Belize, British Virgin Islands, Bolivia, Brazil,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM ( <i>SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	HABITAT BUDIDAYA/ <i>CULTIVATION HABITAT</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
					Caribbean Island, Cayman Islands, Chile, Colombia, Costa Rica, Cuba, Curaçao, Dominica, Dominican Republik, Ecuador, French Guiana, Grenada, Guyana, Guadeloupe, Guatemala, Haiti, Honduras, Jamaica, Martinique, Montserrat, Mexico, Netherlands Antilles, Nicaragua, Panama, Puerto Rico, Paraguay, Peru, Saba, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Sint Eustatius, Sint Maarten, Suriname, Trinidad and Tobago, Turks and Caicos Islands, Tropical

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM ( <i>SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	HABITAT BUDIDAYA / <i>CULTIVATION</i> <i>HABITAT</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL</i> <i>DISTRIBUTION</i>
					America, Uruguay, USA, United States Virgin Islands, Venezuela Asia: Bangladesh, Bhutan, China, India, Israel, Japan, Jordan, Malaysia, Nepal, Oman, Pakistan, Palestine, Republic of Korea (South Korea), Saudi Arabia, Sri Lanka, Taiwan, Thailand, United Arab Emirates, Vietnam, Yemen Europe: Belgium, Poland Oceania: Australia, French Polynesia, New Caledonia, Papua New Guinea, Vanuatu

8. CENDAWAN (FUNGAL/ FUNGAL LIKE ORGANISM/ PSEUDOFUNGI)

No.	NAMA ILMIAH/ SINONIM/ KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
1.	[r]: <i>Aecidium cantense</i> Arthur (1929); Basidiomycota, Pucciniomycotina, Pucciniomycetes, Pucciniales; potato rust, deforming potato rust, deforming rust, Peruvian rust	I	<i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum</i> <i>macrocarpon</i> (terong engkol, African eggplant), <i>Solanum</i> <i>tuberosum</i> (kentang, potato), <i>Ullucus tuberosus</i>	batang (stems (above ground), trunks, branches), buah (fruits), bunga (inflorescences), daun (leaves), tanaman (whole plant), tunas (shoots)	Africa: Benin America: Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Guyana, Paraguay, Peru, Suriname, Uruguay, Venezuela
2.	[s]: - [a]: <i>Alternaria citri</i> Ellis & N. Pierce, 1902; (Syn. <i>Alternaria brassicae</i> var. <i>citri</i> Penz, 1882, <i>Alternaria citri</i> (Penz.) Mussat, 1900, <i>Alternaria citri</i> var. <i>citri</i> (Penz) Mussat, 1900); Ascomycota, Pezizomycotina, Dothideomycetes, Pleosporales, Pleosporaceae; stalk end rot, stem end rot, navel end	I	<i>Citrus</i> sp., <i>Citrus jambhiri</i> (rough lemon), <i>Citrus junos</i> (yuzu), <i>Citrus limon</i> (lemon), <i>Citrus medica</i> (citron), <i>Citrus reticulata</i> (mandarin), <i>Citrus sinensis</i> (navel orange), <i>Gerbera</i> , <i>Withania</i> <i>somnifera</i> (poisonous goosberry)	buah (fruits), daun (leaves)	Africa: Egypt, Kenya, Libya, Malawi, Morocco, Mozambique, Namibia, Nigeria, South Africa, Sudan, Tanzania, Uganda, Zambia, Zimbabwe America: Argentina, Bolivia, Brazil, Chile, Colombia, Cuba, Dominican Republic,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM ( <i>SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	INANG/ <i>HOST</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
	rot, core rot of citrus, black rot of citrus fruit, brown spot of citrus, black rot of citrus, fruit rot of citrus, core rot of citrus				Ecuador, French Guiana, Paraguay, Peru, Jamaica, Mexico, Puerto Rico, Uruguay, USA, Venezuela Asia: Bangladesh, Bhutan, China, India, Iran, Iraq, Israel, Japan, Myanmar, Nepal, Pakistan, Palestine, Republic of Korea (South Korea), Turkey, Vietnam Europe: Bulgaria, Cyprus, France, Greece, Italy, Malta, Portugal, Russian Federation, Spain Oceania: Australia, New Zealand
3.	[c]: <i>Aphanomyces euteiches</i> Drechsler (1925); Chromista, Oomycota, Oomycetes, Saprolegniales, Leptolegniaceae; Aphanomyces root rot, common root	I	<i>Hordeum vulgare</i> (barli, barley), legumes, <i>Lens culinaris</i> ssp. <i>culinaris</i> (lentil), <i>Medicago sativa</i> (alfalfa, lucerne), Melilotus	akar (roots), batang (stems), bibit (seedlings), media tanam (growing media	America: Canada, USA Asia: China, India, Japan, Kazakhstan, Kyrgystan, Tajikistan, Turkmenistan,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	rot, root rot		(Melilots), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Pisum sativum</i> (kapri, sweet pea), <i>Trifolium pratense</i> (red clover), <i>Trifolium repens</i> (semanggi putih, white clover), <i>Trifolium subterraneum</i> (subterranean clover), <i>Vicia faba</i> (oat, oats), <i>Vigna</i> spp. (buncis, cowpea)	associated with plants)	Uzbekistan Europe: Armenia, Azerbaijan, Czech Republic, Denmark, Finland, France, Italy, Netherlands, Norway, Poland, Russian Federation, Slovakia, Spain, Sweden, Ukraine Oceania: Australia, New Zealand
4.	[s]: <i>Armillaria heimii</i> Pegler, 1977; (Syn. <i>Armillariella elegans</i> (R. Heim) J.B Taylor, J.E. Hawk ins & McLaren, 1974, <i>Clitocybe elegans</i> R. Heim, 1963); [a]: - Basidiomycota, Agaricomycotina, Agaricomycetes, Physalacriaceae; armillaria root rot; honey root rot; root rot of tropical trees	I	<i>Acacia mearnsii</i> (black wattle), <i>Acacia melanoxylon</i> (Australian blackwood), <i>Anacardium occidentale</i> (jambu mede, cashew nut), <i>Araucaria cunninghamii</i> (colonial pine), <i>Camellia cinensis</i> (teh, tea), <i>Casuarina equisetifolia</i> (casuarinas), <i>Cinnamomum camphora</i> (camphor laurel), <i>Cocos nucifera</i> (kelapa, coconut), <i>Coffea arabica</i>	akar (roots), batang (stems (above ground), shoots, trunks, branches), kayu (woods), kulit kayu (bark), tanah (soil), umbi (bulbs, tubers, corms, rhizomes)	Africa: Angola, Cameroon, Congo, DR Congo, Ethiopia, Gabon, Ivory Coast, Kenya, Madagascar, Mozambique, Nigeria, Reunion, South Africa, Tanzania, Uganda, Zambia, Zimbabwe

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			(kopi, arabica coffe), <i>Coffea canephora</i> (kopi, robusta coffea), <i>Delonix regia</i> (gold mohar), <i>Eriobotrya japonica</i> (loquat), <i>Eucalyptus citriodora</i> (lemon-scented gum), <i>Grevillea robusta</i> (silky oak), <i>Hevea brasiliensis</i> (karet, rubber), <i>Jacaranda mimosifolia</i> (Brazilian rosewood), <i>Manihot esculenta</i> (ubi kayu, cassava), <i>Musa paradisiaca</i> (pisang, banana), <i>Pinus ellioti</i> (slash pine), <i>Pinus radiate</i> (radiate pine), <i>Pinus strobes</i> (eastern white pine), <i>Pinus taeda</i> (loblolly pine), <i>Prunus</i> (stone fruit), <i>Prunus domestica</i> (prem, plum), <i>Prunus persica</i> (Japanese plum), <i>Schinus molle</i> (false pepper tree), <i>swietenia</i> (mahogany), <i>Tectona</i>		



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			<i>grandis</i> (teak), <i>Theobromoa cacao</i> (kakao, cocoa)		
5.	[s]: <i>Armillaria luteobubalina</i> Watling & Kile (1978) [a]: - Basidiomycota, Agaricomycotina, Agaricales, Physalacriaceae; armillaria root rot, honey root rot, Australian honey fungus	I	<i>Abelia grandiflora</i> (Glossy abelia), <i>Acacia cyclops</i> (coastal wattle), <i>Acacia dealbata</i> (acacia bernier), <i>Acacia longifolia</i> (golden wattle), <i>Acacia mearnsii</i> (black wattle), <i>Acacia melanoxylon</i> (Australian blackwood), <i>Acacia saligna</i> (Port Jackson wattle), <i>Acer palmatum</i> (Japanese maple), <i>Actinidia chinensis</i> (Chinese gooseberry), <i>Camellia</i> , <i>Canna indica</i> (canna lilly), <i>Citrus reticulata</i> (mandarin), <i>Citrus sinensis</i> (navel orange), <i>Cotoneaster</i> , <i>Cycas revoluta</i> (sago cycas), <i>Dizygotheca</i> (false aralia), <i>Dodonaea viscosa</i> (switch sorrel), <i>Elaeagnus pungens</i> (thorny olive), <i>Euonymus japonicus</i>	akar (roots), batang (stem (above ground), trunks, branches), benih (bulbs, tubers, corms, rhizomes), bibit (seedlings), kayu (woods), kulit kayu (bark), tunas (shoots)	Oceania: Australia

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			<p>(Japanese spindle tree),  <i>Fraxinus</i> (ashes), <i>Fuchsia hybrids</i>, <i>Grevillea robusta</i> (silky oak), <i>Hibiscus</i> (rosemallows), <i>Hydrangea macrophylla</i> (French hydrangea), <i>Kalmia</i> (laurel), <i>Ligustrum</i> (privet), <i>Magnolia</i>, <i>Malus</i> (ornamental species apple), <i>Melia azedarach</i> (Chinaberry), <i>Nerium oleander</i> (oleander), <i>Philadelphus coronarius</i> (mock orange), <i>Photinia glabra</i>, <i>Picea pungens</i> (blue spruce), <i>Pinus radiata</i> (radiata pine), <i>Prunus</i> (stone fruit), <i>Prunus dulcis</i> (almon, badam, almond), <i>Prunus persica</i> (persik, peach), <i>Rhododendron indicum</i> (Satsuki azalea), <i>Salix</i> (willows), <i>Taxus</i> (yew), <i>Viburnum</i>, <i>Vitis vinifera</i></p>		

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			(anggur, grapevine), <i>Wisteria sinensis</i> (Chinese wisteria)		
6.	[s]: - [a]: <i>Ascochyta boltshauseri</i> Sacc., 1891 (Syn. <i>Ascochyta hortensis</i> Kabát & Bubát, 1905, <i>Ascochyta hortensis</i> (Sacc. & Malbr.) Jørst., 1945, <i>Hendersonia hortensis</i> Sacc. & Malbr., 1882, <i>Phoma botlshauseri</i> (Sacc) Boerema, R. Pieters & Hamers, 1993, <i>Phoma funkiaea-</i> <i>albomarginatae</i> Punith., 1988, <i>Stagonospora boltshauseri</i> (Sacc.) Grigoriu, 1975, <i>Stagonosporopsis</i> <i>hortensis</i> (Sacc. & Malbr.) Petr., 1921, <i>Stagonospora hortensis</i> (Sacc. & Malbr.) Sacc., 1884, <i>Stagonosporopsis boltshauseri</i> (Sacc.) Died., 1912); Ascomycota, Pezizomycotina, Dothideomycetes, Pleosporales, Didymellaceae; bean blotch, bean leaf spot	I	Fabaceae, Poaceae, <i>Vigna</i> spp. (buncis, cowpea)	batang (stems), biji (true seeds), daun (leaves), polong (pods), tanah (soil)	America: Colombia, USA Europe: Germany, Netherlands, Romania Oceania: New Zealand
7.	[s]: <i>Biscogniauxia nummularia</i> (Bull.)	I	<i>Camellia sinensis</i> (teh, tea),	akar (roots),	Africa: Kenya, South

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	<p>Kuntze, 1891; (Sym. <i>Biscogniauxia bulliardii</i> (Tul. &amp; C. Tul.) Kuntze, 1891, <i>Biscogniauxia nummularia</i> var. <i>nummularia</i> (Bull.) Kuntze, 1891, <i>Amphisphaeria decorticata</i> Berl. &amp; Voglino, 1886, <i>Didymosphaeria trivialis</i> (Berk. &amp; Broome) Sacc., 1882, <i>Sphaeria decorticata</i> Cooke &amp; Harkn., 1884, <i>Sphaeria trivialis</i> Berk. &amp; Broome, 1852, <i>Sphaeria anthracina</i> J.C. Schmidt, 1817, <i>Sphaeria nummularia</i> DC., 1805, <i>Sphaeria decorticata</i> Sowerby, 1799; [a]: <i>Lojkania decorticata</i> (Berl. &amp; Voglino) M.E. Barr, 1984; (Syn. <i>Hypoxylon nummularium</i> Bull., 1790, <i>Hypoxylon nummularium</i> var. <i>nummularium</i> Bull., 1790, <i>Hypoxylon nummularium</i> var. <i>macrosporum</i> J.C. Gilman &amp; L.H. Tiffany, 1952, <i>Nummularia nummularia</i> var. <i>nummularia</i> (Bull.) House, 1952,</p>		<p><i>Malus domestica</i> (apel, apple), <i>Pyrus communis</i> (pir, pear), <i>Vitis vinifera</i> (anggur, grapevine)</p>	<p>batang (stems), media tanam (growing media associated with plants), tanaman (whole plant)</p>	<p>Africa America: USA Asia: Japan Europe: United Kingdom</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	<p><i>Nummularia nummularia</i> (Bull.) House, 1925, <i>Kommamyce bulliardii</i> (Tul. &amp; C. Tul.) Nieuwl., 1916, <i>Nummularia bulliardii</i> var. <i>minor</i> Rehm, 1912, <i>Nummularia anthracina</i> (J.C. Schmidt) traverso, 1906, <i>Nummularia bulliardii</i> var. <i>tiliaecola</i> Rehm. <i>Nummularia anthracina</i> var. <i>anthracina</i> (J.C. Schmidt) Traverso, 1906, <i>Microthelia trivialis</i> (Berk. &amp; Broome) Kuntze, 1898, <i>Nummularia nummularia</i> (Bull.) J. Schrot., 1897, <i>Nummularia bulliardii</i> Tul. &amp; C. Tul., 1863, <i>Nummularia bulliardii</i> var. <i>bulliardii</i> Tul. &amp; C. Tul., 1863, <i>Nummularia bulliardii</i> f. <i>bulliardii</i> Tul. &amp; C. Tul., 1863); Ascomycota, Pezizomycotina, Sordariomycetes, Xylariales, Xilariaceae; tea wood rot, tea root rot, rot root, tarry root rot, beech tarcrust</p>				
8.	[s]: -	I	<i>Linum ussitatissimum</i> (flax),	akar (roots),	Africa: Cameroon,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	<p>[a]: <i>Boeremia exigua</i> (Desm.) Aveskamp, Gruyter &amp; Verkley, 2010; (Syn. <i>Ascochyta coffeae</i> Henn., 1902, Höhn., 1909, <i>Ascochyta heteromorpha</i> (Schulzer &amp; Sacc.) Curzi, 1932, <i>Ascochyta hydrangeae</i> (Ellis &amp; Everh.) Aksel, 1956, <i>Ascochyta nicotianae</i> Pass., 1881, <i>Ascochyta linicola</i> Naumov &amp; Vassiljevsky, 1926, <i>Ascochyta phaseolorum</i> Sacc., 1878, <i>Ascochyta viburni</i> Roum. Ex Sacc., 1884, <i>Ascochyta viburni</i> var. <i>viburni</i> Roum. Ex Sacc., 1884, <i>Boeremia exigua</i> var. <i>coffeae</i> (Henn.) Aveskamp, Gruyter &amp; Verkley, 2010, <i>Boeremia exigua</i> var. <i>gilvescens</i> Aveskamp, Gruyter &amp; Verkley, 2010, <i>Boeremia exigua</i> var. <i>heteromorpha</i> (Schulzer &amp; Sacc.) Aveskamp, Gruyter &amp; Verkley, 2010, <i>Boeremia exigua</i> var. <i>lilacis</i> (Sacc.) Aveskamp, Gruyter &amp; Verkley, 2010, <i>Boeremia</i></p>		<p><i>Hydrangea macrophylla</i>, <i>Origanum dubium</i>, <i>Vigna</i> spp. (buncis, cowpea)</p>	<p>batang (stems), biji (true seeds), buah (fruits), bunga (inflorescences)</p>	<p>Egypt, Ethiopia, Gambia, Kenya, Libya, Malawi, Mozambique, Nigeria, Rwanda, Sudan, Tanzania, Togo, Uganda, Zambia, Zaire, Zimbabwe America: Bolivia, Canada, Colombia, Dominican Republic, Ecuador, El Salvador, Guyana, Honduras, Nicaragua, Peru, Puerto Rico, Venezuela Asia: Bhutan, Brunei Darussalam, Hong Kong, India, Iran, Iraq, Israel, Malaysia, Myanmar, Nepal, Oman, Pakistan, Sri Lanka, Thailand, Turkey Europe: Belgium, Cyprus, Czech Republic, Denmark,</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/ HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	<p><i>exigua</i> var. <i>linicola</i> (Naumov &amp; Vassiljevsky) Aveskamp, Gruyter &amp; Verkley, 2010, <i>Boeremia exigua</i> var. <i>populi</i> (Gruyter &amp; P. Scheer) Aveskamp, Gruyter &amp; Verkley, 2010, <i>Boeremia exigua</i> var. <i>pesudolilacis</i> Aveskamp, Gruyter &amp; Verkley, 2010, <i>Boeremia exigua</i> var. <i>viburni</i> (Roum. Ex Sacc.) Aveskamp, Gruyter &amp; Verkley, 2010, <i>Phoma exigua</i> Sacc., 1879, <i>Phoma exigua</i> Desm., 1849, <i>Phoma exigua</i> var. <i>capsici</i> L.Z. Liang, 1991, <i>Phoma exigua</i> var. <i>exigua</i> Desm., 1849), <i>Phoma exigua</i> var. <i>fosythiae</i> (Sacc.) Aa, Boerema &amp; Gruyter, 2000, <i>Phoma exigua</i> var. <i>heteromorpha</i> (Schluzer &amp; Sacc.), <i>Phoma exigua</i> var. <i>inoxidabilis</i> Boerema &amp; Vegh, 1974, <i>Phoma exigua</i> var. <i>lilacis</i> (Sacc.) Boerema, 1979, <i>Phoma exigua</i> var. <i>linicola</i> (Naumov &amp; Vassiljevsky) P.W.T Maas, 1965, <i>Phoma exigua</i> var. <i>populi</i> Gruyter &amp; P. Scheer, 1988,</p>				<p>Estonia, France, Germany, Ireland, Italy, Latvia, Netherlands, Norway, Portugal, Romania, Russian Federation, Slovakia, Spain, Sweden, Switzerland, United Kingdom Oceania: Australia, Fiji, New Zealand, Papua New Guinea</p>

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	<p><i>Phoma exigua</i> var. <i>solanicola</i> (Prill. &amp; Delacr.) Popkova, Malikova &amp; Kovaleva, 1973, <i>Phoma exigua</i> var. <i>viburni</i> (Roum. Ex Sacc.) Boerema, 1998, <i>Phoma herbarum</i> f.sp <i>humuli</i> Sacc., 1883, <i>Phoma herbarum</i> f.sp <i>lilacis</i> Sacc., 1880, <i>Phoma heteromorpha</i> Schulzer &amp; Sacc., 1884, <i>Phoma perexigua</i> Sacc., 1884, <i>Phoma solanicola</i> Prill. &amp; Delacr., 1890, <i>Phoma solanicola</i> f.sp <i>solanicola</i> Prill. &amp; Delacr., 1890, <i>Phoma solanicola</i> var. <i>solanicola</i> Prill. &amp; Delacr., 1890, <i>Phoma viburni</i> (Roum. Ex Sacc.) Boerema &amp; M.J. Griffin, 1974), <i>Phomopsis perexigua</i> (Sacc.), 1877, <i>Phyllosticta forsythiae</i> Sacc., 1877, <i>Phyllosticta hydrangeae</i> var. <i>europaeae</i> Passal., 1926, , <i>Phyllosticta hydrangeae</i> var. <i>hydrangeae</i> Ellis &amp; Everh.m 1889); Ascomycota, Pezizomycotina, Dothideomycetes, Pleosporales, Didymellaceae;</p>				



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	foot rot of flax				
9.	[s]: <i>Botryosphaeria bidwellii</i> (Ellis) Petr., 1958; (Syn. <i>Carlia bidwellii</i> (Ellis) magnus, 1892, <i>Carlia bidwellii</i> (Ellis) prunet, 1898, <i>Greeneria fuliginea</i> Scribn. & Viala, 1887, <i>Greeneria uvicola</i> (Berk. & M.A. Curtis) Punith., 1974, <i>Guignardia aleuritis</i> (Vassiljevsky) Aa, 1973, <i>Guignardia bidwellii</i> (Ellis) Viala & Ravaz, 1892, <i>Guignardia bidwellii</i> f. <i>bidwellii</i> (Ellis) Viala & Ravaz, 1892, <i>Guignardia bidwellii</i> var. <i>parthenocissi</i> Luttr., <i>Laestadia bidwellii</i> (Ellis) Viala & Ravaz, 1888, <i>Melaconium fuligineum</i> (Scribn. & Viala) cavara, 1888, <i>Melanops aleuritis</i> vassiljevsky, 1940, <i>Naespora ampellicida</i> Engelm., 1863, <i>Phyllachorella bidwellii</i> (Ellis) Theiss., 1919, <i>Physalospora bidwellii</i> (Ellis) Sacc., 1882, <i>Phyllostictina uvicola</i> (Berk. & M.A. Curtis) Hohn., 1920,	I	<i>Ampelopsis</i> , <i>Cissus</i> , <i>Parthenocissus</i> , <i>Citrus</i> spp., <i>Vitis vinifera</i> (anggur, grapevine)	batang (stems), buah (fruits), bunga (inflorescences), daun (leaves), tangkai buah	Africa: Morocco, Mozambique, Sudan America: Argentina, Barbados, Brazil, Canada, Chile, Cuba, El Salvador, Guyana, Haiti, Jamaica, Martinique, Mexico, Panama, USA Asia: China, DPR Korea (North Korea), India, Iran, Japan, Pakistan, Philippines, Taiwan, Turkey Europe: Austria, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, France, Germany, Italy, Montenegro, North Macedonia, Romania, Russian Federation, Serbia, Slovakia, Slovenia,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	<p><i>Phyalospora bidwellii</i> (Ellis) Sacc., 1882, <i>Sphaeria bidwellii</i> Ellis, 1880, <i>Sphaerella bidwellii</i> (Ellis) Ellis, 1890); [a]: <i>Phyllosticta ampellicida</i> (Engelm.) Aa, 1973; (Sym. <i>Phoma uvicola</i> Berk. &amp; M.A. Curtis, 1873, <i>Phoma uvicola</i> var. <i>labruscae</i> Thum. 1878, <i>Phoma uvicola</i> var. <i>uvicola</i> Berk. &amp; M.A. Curtis, 1873); Ascomycota, Pezizomycotina, Dothideomycetes, Botryosphaeriales, Phyllostictaceae; black rot</p>				Switzerland, Ukraine, Oceania: Christmas Island
10.	[s]: <i>Botryosphaeria ribis</i> Grossenb. & Duggar, 1911; (Syn. <i>Botryosphaeria mali</i> V.A. Putterill, 1919, <i>Botryosphaeria ribis</i> f. <i>achromogena</i> Grossenb. & Duggar, <i>Botryosphaeria ribis</i> f. <i>chromogena</i> Grossenb. & Duggar, 1911, <i>Botryosphaeria ribis</i> f. <i>ribis</i> Grossenb. & Duggar, 1911, <i>Botryosphaeria</i>	I	<i>Casuariana equisetifolia</i> (casuariana), <i>Citrus</i> sp. (jeruk, citrus), <i>Eucalyptus</i> sp., <i>Juglans</i> spp. (walnut), <i>Liquidambar formosa</i> (beautiful sweet gum), <i>Liquidambar styraciflua</i> (sweet gum), <i>Macadamia integrifolia</i> (macadamian nut), <i>Macadamia tetraphylla</i>	batang (stems (above ground), trunks, branches), buah (fruits), bunga (flowers, inflorescences, cones, calyx), kulit kayu (bark), tunas	Africa: Ethiopia, Ghana, Guinea, Ivory Coast, Kenya, Madagascar, Malawi, Mauritius, Mozambique, Niger, Nigeria, South Africa, Tanzania, Togo, Tunisia, Uganda, Zambia, Zimbabwe

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	<p><i>ribis</i> var. <i>chromogena</i> Shear, N.E. Stevens &amp; Wilcox, 1924, <i>Botryosphaeria ribis</i> var. <i>ribis</i> Grossenb. &amp; Duggar, 1911); [a]: <i>Neofusicoccum ribis</i> (Slippers, Crous &amp; M. J. Wingf.) Crous, Slippers &amp; A. J. L. Phillips, 2006; (Syn. <i>Botryodiplodia ribis</i> (Fuckel) Petr., 1927, <i>Botryodiplodia majuscula</i> Sacc., 1902, <i>Botryodiplodia ribis</i> f. <i>majuscula</i> (Sacc.) Zambett., 1955, <i>Botryodiplodia ribis</i> f. <i>ribis</i> (Fuckel) Petr., 1927, <i>Cryptosporium aesculi</i> (Corda) Fr., 1832, <i>Discella aesculi</i> (Corda) Oudem., 1889, <i>Dothiorella aesculi</i> (Corda) Petr., 1922, <i>Dothiorella gregaria</i> Sacc., 1881, <i>Dothiorella ribis</i> (Fuckel) Sacc., 1884, <i>Fusicoccum aesculi</i> Corda, 1829, <i>Fusicoccum ribis</i> Slippers, Crous &amp; M.J. Wingf., 2004, <i>Fusicoccum tingens</i> Goid. <i>Podosporium ribis</i> Fuckel, 1864, <i>Septomyxa aesculi</i> (Corda)</p>		<p>(Rough-shell macadamia nut), <i>Macadamia</i> sp., <i>Malus domesticum</i> (apel, apple), <i>Mangifera indica</i> (mangga, mango), <i>Persea americana</i> (alpokat, avocado), <i>Pistia</i> (water lettuce), <i>Populus</i> sp. (poplars), <i>Prunus amygdalus</i> (almon, badam, almond), <i>Prunus persica</i> (persik, peach), <i>Rhododendron</i> (azalea), <i>Ribes</i>(currants), <i>Rubus</i> spp. (blackberry, raspberry), Olive</p>	<p>(shoots)</p>	<p>America: Argentina, Bolivia, Brazil, Barbados, Canada, Chile, Colombia, Costa Rica, Cuba, Dominica, Grenada, Honduras, Jamaica, Mexico, Panama, Trinidad and Tobago, USA, Uruguay, Venezuela Asia: Bangladesh, Brunei Darussalam, China, Georgia Republic of, India, Iran, Israel, Japan, Malaysia, Myanmar, Nepal, Pakistan, Republic of Korea (South Korea), Sri Lanka, Taiwan, Thailand, Turkey Europe: Cyprus, France, Greece, Italy, Netherlands, Portugal, Spain, United Kingdom</p>

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	Petr., 1921; Ascomycota, Pezizomycotina, Dothideomycetes, Botryosphaerales, Botryosphaeriaceae; cane blight, canker, dieback, fruit rot, gummosis, panicle and shoot blight, stem blight, tip dieback, white rot				Oceania: Australia, Fiji, Federated states of Micronesia, New Zealand, Papua New Guinea, Solomon Islands
11.	[s]: <i>Botryotinia aclada</i> [a]: <i>Botrytis aclada</i> Fresen., 1850; Ascomycota, Pezizomycotina, Leotiomycetes, Helotiales, Sclerotiniaceae; grey mould of onion, neck rot of onion, leaf rot of onion, small sclerotial neck rot fungus, neck rot fungus, grey mould neck rot of onion, small sclerotial onion neck rot	I	<i>Allium</i> (onions, garlic, leek, etc.), <i>Allium cepa</i> (bawang bombay, onion), <i>Allium cepa</i> var. <i>aggregatum</i> (bawang merah, shallot) <i>Allium porrum</i> (leek), <i>Allium</i> <i>sativum</i> (bawang putih, garlic)	biji (true seeds), bunga (inflorescences), daun (leaves), umbi (bulbs)	Africa: Egypt, Kenya, Morocco, South Africa, Tanzania, Zambia America: Brazil, Canada, Chile, Colombia, Costa Rica, Guatemala, Jamaica, Panama, USA, Venezuela Asia: Afghanistan, Bangladesh, China, Georgia, India, Iran, Iraq, Israel, Japan, Jordan, Republic of Korea (South Korea), Nepal, Pakistan, Saudi Arabia, Taiwan,

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM ( <i>SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	INANG / <i>HOST</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
					Turkey, Vietnam Europe: Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Finland, France, Germany, Italy, Montenegro, Netherlands, North Macedonia, Norway, Poland, Serbia, Slovakia, Slovenia, United Kingdom Oceania: Australia, New Zealand
12.	[s]: <i>Botryotinia draytonii</i> (Buddin & Wakefield) Seaver; [a]: <i>Botrytis gladiatorum</i> Timmerm (1941); (Syn. <i>Sclerotinia draytonii</i> (Buddin & Wakef.) Seaver., 1951); Ascomycetes, Pezizomycotina, Leotiomycetes, Helotiales, Sclerotiniaceae; core rot of gladiolus, corm rot	I	<i>Gladiolus</i> spp., <i>Gladiolus hybrid</i> (sword lily)	tanaman (whole plant), umbi (corms)	Asia: Pakistan

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13.	<p>[s]: <i>Botryotinia porri</i> (J.F.H. Beyma) Whetzel, 1945; [a]: <i>Botrytis porri</i> N.F. Buchw., 1949; (Syn. <i>Sclerotinia porri</i> J.F.H. Bey, a, 1927); Ascomycetes, Pezizomycotina, Leotiomycetes, Helotiales, Sclerotiniaceae; Botrytis rot of garlic, Botrytis rot of leek, seedling damping-off of onion, neck rot of onion, mycelia onion neck rot</p>	I	<i>Allium</i> (onions, garlic, leek, etc.), <i>Allium cepa</i> (bawang bombay, onion), <i>Allium porrum</i> (bawang prei, leek), <i>Allium sativum</i> (bawang putih, garlic)	biji (true seeds), bunga (infloroscences), daun (leaves), umbi (bulbs)	America: Canada, Chile, USA, Venezuela Asia: China, Iran Europe: Finland, Germany, Hungary, Norway, United Kingdom Oceania: Australia, New Zealand
14.	<p>[s]: <i>Botryotinia squamosa</i> Vienn.-Bourg., 1953; [a]: <i>Botrytis squamosa</i> J.C. Walker, 1925; (Syn. <i>Sclerotinia squamosa</i> (Vienn. Bourg.) Dennis, 1956); Ascomycota, Pezizomycotina, Leotiomycetes, Helotiales, Sclerotiniaceae; leaf blight of onion, neck rot of onion, small sclerotial neck rot, onion leaf blight, onion neck rot</p>	I	<i>Allium</i> (onions, garlic, leek, etc.), <i>Allium cepa</i> (bawang bombay, onion), <i>Allium chinense</i> (spring onion), <i>Allium fistulosum</i> (bawang daun, welsh onion), <i>Allium schoenoprasum</i> (chives), <i>Allium tuberosum</i> (kucai, oriental garlic)	biji (true seeds), bunga (inflorescences), daun (leaves), umbi (bulbs)	Africa: Mauritius America: Brazil, Canada, USA Asia: China, DPR Korea (North Korea), Japan, Republic of Korea (South Korea) Europe: Belgium, Bulgaria, Czech Republic, France, Germany, Ireland, Italy, Netherlands, Poland, Scotland,

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
					United Kingdom Oceania: New Caledonia, New Zealand
15.	[s]: <i>Botryotinia tulipae</i> ; [a]: <i>Botrytis tulipae</i> (Lib.) Lind, 1913; (Syn. <i>Botrytis parasitica</i> Schleid., 1845, <i>Sclerotinia tulipae</i> (Lib) Boud., 1907, <i>Sclerotium tulipae</i> Lib., 1830, <i>Sclerotium tulipae</i> Weinm., 1836); Ascomycota, Pezizomycotina, Leotiomycetes, Helotiales, Sclerotiniaceae; tulip fire	I	<i>Tulipa</i> sp. (tulip, tulip), <i>Allium cepa</i> (bawang bombay, onion), <i>Lilium</i> sp. (lili, lily)	biji (true seeds), bunga (inflorescences), daun (leaves), umbi (bulbs, corms)	Africa: Egypt America: Argentina, Canada, Chile, USA Asia: DPR Korea (North Korea), Iraq, Japan, Kazakhstan, Kyrgyzstan, Philippines, Republic of Korea (South Korea), Tajikistan, Turkmenistan, Uzbekistan Europe: Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Georgia,

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					Germany, Greece, Guernsey, Hungary, Italy, Jersey, Latvia, Lithuania, Moldova, Montenegro, Netherlands, North Macedonia, Norway, Portugal, Romania, Russian Federation, Serbia, Slovenia, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand
16.	[s]: - [a]: <i>Cadophora gregata</i> (Allington & D. W. Chamb.) T. C. Harr. & McNew, 2003); (Syn. <i>Cephalosporium gregatum</i> Allington & D.W. Chamb., 1948, <i>Phialophora gregata</i> (Allington & D.W. Chamb.) W. Gams, 1971); Ascomycota, Leotiomyces, Helotiales; brown rot	I	<i>Glycine max</i> (kedelai, soyabean), <i>Vigna angularis</i> (adzuki bean), <i>Vigna radiata</i> (kacang hijau, mungbean)	biji (true seeds)	Africa: Egypt America: Brazil, Canada, Mexico, Puerto Rico, USA Asia: Japan Europe: Bosnia and Herzegovina, Croatia, Montenegro, North Macedonia, Poland, Serbia, Slovenia
17.	[s]: -	I	<i>Allium cepa</i> var. <i>agregatum</i>	daun (leaves),	Africa: Madagascar,



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	[a]: <i>Cercospora duddiae</i> Welles, 1923; Ascomycota, Pezizomycotina, Dothideomycetes, Mycosphaerellales, Mycosphaerellaceae; leaf spot of onion and garlic, withertip onion of and garlic, leaf spot of garlic, leaf spot of onion		(bawang merah, shallot), <i>Allium cepa</i> var. <i>Ascalonicum</i> (bawang bombay, onion), <i>Allium sativum</i> (bawang putih, garlic), <i>Allium schoenoprasum</i> (chives)	tanaman (whole plant)	Mauritius, Nigeria, Sierra Leone, Uganda America: Barbados, Jamaica Asia: India, Malaysia, Myanmar, Oman
18.	[s]: - [a]: <i>Cercospora epipactidis</i> ; (Syn. <i>Cercospora missal</i> ex. Sacc. (1911); Ascomycota, Pezizomycotina, Dothideomycetes, Mycosphaerellales, Mycosphaerellaceae; leaf spot	I	Orchidaceae (anggrek, orchids)	batang (stems), bunga (inflorescences), daun (leaves), tangkai bunga	Europe: Italy, Germany, Russian Federation
19.	[s]: <i>Ciborinia allii</i> (Sawada) L.M. Kohn, 1979; (Syn. <i>Botryotinia allii</i> (Sawada) W. Yamam., 1956); [a]: <i>Botrytis allii</i> Munn, 1917; (Syn. <i>Botrytis byssoidea</i> J.C. Walker, 1925, <i>Sclerotinia allii</i> Sawada, 1919); Ascomycota, Pezizomycotina, Leotiomycetes, Helotiales,	I	<i>Allium</i> , <i>Allium cepa</i> (bawang bombay, onion), <i>Allium fistulosum</i> (bawang daun, welsh onion), <i>Allium porrum</i> (bawang prei, leek), <i>Allium sativum</i> (bawang putih, garlic)	biji (true seeds), daun (leaves), umbi (bulbs)	Africa: Egypt, Tanzania, Zambia America: Brazil, Canada, Dominican Republic, Jamaica, USA Asia: China, Iraq, Israel, Jepang, Jordan, Republic of Korea (South Korea), Taiwan

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	Sclerotiniaceae; neck rot of onion				Europe: Bulgaria, Cyprus, Denmark, Italy, Netherlands, Norway, Poland, Slovenia, United Kingdom Oceania: Australia, New Zealand
20.	[s]: - [a]: <i>Cladosporium cucumerinum</i> Ellis & Arthur 1889; (Syn. <i>Cladosporium scabies</i> Cooke, 1903, <i>Cladosporium cucumeris</i> A. B. Frank, 1893, <i>Macrosporium melophthorum</i> (Prill. & Decalr.) Rostr., 1893, <i>Scolicotrichum melophthorum</i> Prill. & Decalr., 1891); Ascomycota, Dothideomycetes, Capnodiales, Cladosporiaceae; scab of cucurbits, gummosis of cucumber		<i>Carica papaya</i> (pepaya, pawpaw), <i>Citrullus lanatus</i> (semangka, watermelon), <i>Cucumis melo</i> (melon, melon), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Cucurbita maxima</i> (giant labu, pumpkin), <i>Cucurbita moschata</i> (labu, pumpkin), <i>Cucurbita pepo</i> (labu kuning, zukini, zucchini)	batang (stems (above ground), trunks, branches), buah (fruits), bunga (flowers, inflorescences, cones, calyx), biji (true seeds, grains), daun (leaves), polong (pods), tunas (shoots)	Africa: Kenya, Mauritius, Morocco, South Africa, Zambia, Zimbabwe America: Barbados, Canada, Chile, Cuba, El Salvador, Mexico, Panama, Puerto Rico, Trinidad and Tobago, USA Asia: Bhutan, China, India, Iran, Israel, Japan, Lebanon, Pakistan, Republic of Korea (South Korea), Thailand, Turkey, Yemen

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM ( <i>SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	INANG / <i>HOST</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
					Europe: Austria, Belarus, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Italy, Lithuania, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Sweden, United Kingdom Oceania: French Polynesia
21.	[s]: <i>Claviceps africana</i> Frederickson, Mantle & amp; De Milliano 1991; [a]: <i>Sphacelia sorghi</i> McRae 1917; Ascomycota, Pezizomycotina, Sordariomycetes, Hypocreales, Clavicipitaceae; ergot, sorghum ergot, sugary disease	I	<i>Sorghum bicolor</i> (sorghum, sorghum), <i>Sorghum halepense</i> (Johnson grass)	batang (stems (above ground), trunks, branches), (true seed, grains), bunga (inflorescences, cones, calyx), daun (leaves),	Africa: Angola, Botswana, Burkina Faso, Burundi, Ethiopia, Ghana, Kenya, Lesotho, Malawi, Mozambique, Nigeria, Rwanda, Senegal, South Africa, Sudan, Swaziland,

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				media tanam (growing media associated with plants), tunas (shoots)	Tanzania, Uganda, Zambia, Zimbabwe America: Argentina, Bolivia, Brazil, Colombia, Dominica, Haiti, Honduras, Jamaica, Mexico, Paraguay, Puerto Rico, USA, Uruguay, Venezuela Asia: India, Japan, Thailand, Yemen Oceania: Australia
22.	[s]: <i>Claviceps gigantea</i> SF Fuentes, Isla, Ullstrup & amp; AE Rord 1964; [a]: - Ascomycota, Pezizomycotina, Sordariomycetes, Hypocreales, Clavicipitaceae; ergot of maize, horse's tooth	I	<i>Zea mays</i> (jagung, corn, maize)	biji (true seeds, grains), bunga (inflorescences, cones, calyx), media tanam (growing media associated with plants)	America: Mexico
23.	[s]: <i>Claviceps purpurea</i> (Fr.) Tul., 1853; (Syn. <i>Claviceps microcephala</i> (Wallr.) Tul., 1853, <i>Claviceps</i> <i>microcephala</i> var. <i>acus</i> Desm.,	I	<i>Agrostis</i> (bent grasses), <i>Avena sativa</i> (oat, oats), <i>Bromus</i> (bromegrasses), <i>Cynodon</i> (quickgrass),	biji (true seeds, grains), bunga (inflorescences, cones, calyx),	Africa: Algeria, Ethiopia, Guinea, Kenya, Malawi, Mauritania, Mauritius,

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	<p>1850, <i>Claviceps microcephala</i> var. <i>microcephala</i> (Wallr.) Tul., 1853, <i>Claviceps purpurea</i> var. <i>agropyri</i> Tanda, 1981, <i>Claviceps purpurea</i> var. <i>purpurea</i> (Fr.) Tul., 1853, <i>Claviceps purpurea</i> f. <i>purpurea</i> (Fr.) Tul., 1853) Tul., 1853, <i>Claviceps purpurea</i> f. <i>secalis</i> J. Krebs, 1936, <i>Claviceps sesleriae</i> Stäger, <i>Claviceps setulosa</i> (Quel.) Sacc., <i>Cordyceps microcephala</i> (Wallr.) Berk. &amp; Broome, <i>Cordyceps purpurea</i> (Fr.) Fr., 1849, <i>Cordyceps purpurea</i> var. <i>acus</i> Desm., 1850, <i>Cordyceps purpurea</i> var. <i>purpurea</i> (Fr.) Berk., 1849, <i>Cordyceps setulosa</i> Quel., <i>Kentrosporium microcephalum</i> Wallr., 1846, <i>Sphaeria entomorrhiza</i> Schumach., 1803, <i>Sphaeria purpurea</i> Fr., 1823); [a]: <i>Sphacelia segetum</i> Lév., 1827; (Syn. <i>Sclerotium clavus</i> DC., (1815), <i>Spermoedia clavus</i> (DC.) Fr., 1822, <i>Sphacelia segetum</i> Lev.,</p>		<p><i>Echinochloa</i> spp., <i>Festuca</i> (fescues), <i>Hordeum</i> (barli, barley), <i>Hordeum vulgare</i> (barli, barley), <i>Lolium</i> (rye grasses), <i>Lolium perenne</i> (perennial rye grass), <i>Panicum</i> (millets), <i>Pennisetum</i> (feather grass), <i>Phleum</i> (timothies), <i>Poa</i> (meadow grass), <i>Poa pratensis</i> (rumput iru Kentucky, smooth-stalked meadowgrass), <i>Poaceae</i> (grasses), <i>Secale</i> (gandum hitam, rye), <i>Secale cereale</i> (gandum hitam, rye), <i>Sorghum bicolor</i> (sorghum, sorghum), <i>Triticum</i> (wheat, gandum), <i>Triticum aestivum</i> (gandum, wheat)</p>	<p>media tanam (growing media associated with plants)</p>	<p>Morocco, South Africa, Sudan, Tanzania, Zimbabwe America: Argentina, Bolivia, Brazil, Canada, Chile, Colombia, Dominican Republic, Ecuador, French Guiana, Mexico, Paraguay, Peru, USA, Uruguay, Venezuela Asia: China, India, Iran, Israel, Japan, Kazakhstan, Kyrgyzstan, Nepal, Philippines, Republic of Korea (South Korea), Turkey Europe: Armenia, Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech, Denmark, Faroe Islands, Finland,</p>

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	1827); Ascomycota, Pezizomycotina, Sordariomycetes, Hypocreales, Clavicipitaceae; sugary disease				France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom Oceania: Australia, New Zealand
24.	[s]: - [a]: <i>Colletotrichum kahawae</i> J.M Waller & Bridge,1993; (Syn. <i>Colletotrichum coffeanum</i> F. Noack (sensu Hindorf, 1970), <i>Colletotrichum kahawae</i> subsp. <i>kahawae</i> J.M. Waller & bridge, 1993, <i>Colletotrichum coffeanum</i> 'var. <i>virulans</i> ' (Rayner, 1952), <i>Colletotrichum kahawae</i> subsp.	I	<i>Coffea</i> spp. (kopi, coffee)	batang (stems), buah (fruits), bunga (inflorescences)	Africa: Angola, Burundi, Cameroon, Central African Republic, Congo, DR Congo, Ethiopia, Kenya, Malawi, Mozambique, Rwanda, Tanzania, Uganda, Zambia, Zimbabwe America: Cuba

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	<p><i>ciggaro</i> B.S. Weir &amp; P.R. Johnst., 2012); Ascomycota, Pezizomycotina, Sordariomycetes, Glomerellales, Glomerellaceae; anthracnose of coffee, brown blight of coffee, coffee berry disease</p>				
25.	<p>[s]: - [a]: <i>Colletotrichum sublineolum</i> Henn. ex Sacc. &amp; Trotter (1913); Ascomycota, Pezizomycotina, Sordariomycetes, Glomerellales, Glomerellaceae; sorghum anthracnose, stalk red rot of sorghum, red leaf spot of sorghum, head blight of sorghum</p>	I	Poaceae (grasses), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Zizania aquatica</i> (annual wildrice)	batang (stems), biji (true seeds), bunga (inflorescences), daun (leaves)	Africa: Benin, Botswana, Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, DR Congo, Ethiopia, Ghana, Guinea, Kenya, Malawi, Mali, Mozambique, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, South Africa, Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe America: Argentina, Brazil, Barbados,

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					Canada, Colombia, Costa Rica, Cuba, El Salvador, Guatemala, Guyana, Honduras, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, Trinidad and Tobago, USA, Venezuela Asia: Afghanistan, Bangladesh, Cambodia, China, India, Japan, Lebanon, Malaysia, Myanmar, Nepal, Pakistan, Philippines, Republic of Korea (South Korea), Sri Lanka, Taiwan, Thailand Europe: Romania, United Kingdom Oceania: Australia, Papua New Guinea, Solomon Islands
26.	[s]: -	I	<i>Rosa</i> spp. (mawar, rose)	batang (stems),	Africa: Kenya



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	<p>[a]: <i>Coniothyrium wernsdorffiae</i> Laubert, 1905; (Syn. <i>Coniothyrium cystotricha</i> (Schulzer) Sacc. &amp; Traverso, 1910, <i>Sacidium cystotricha</i> Schulzer, 1871); Ascomycota, Pezizomycotina, Dothideomycetes, Pleosporales, Coniothyriaceae; rose brand canker</p>			tanaman (whole plant)	<p>America: Canada, USA Europe: Austria, Bulgaria, Denmark, France, Germany, Greece, Italy, Lithuania, Netherlands, Poland, Russian Federation, Sweden, Ukraine, United Kingdom Oceania: Australia</p>
27.	<p>[s]: <i>Davidiella allii-cepae</i> (M.M. Jord., Maude &amp; Burchill) Crous &amp; U. Braun, 2003; (Syn. <i>Mycosphaerella allii-cepae</i> M.M. Jord., Maude &amp; Burchill, 1986); [a]: <i>Cladosporium allii-cepae</i> (Ranoj.) M.B. Ellis, 1976; (Syn. <i>Heterosporium allii-cepae</i> Ranoj., 1910, <i>Heterosporium allii-cepae</i> var. <i>cepivorum</i> Nicolas &amp; Aggery, 1927); Ascomycota, Pezizomycotina, Dothideomycetes, Capnodiales,</p>	I	<i>Allium cepa</i> (onion), <i>Allium porum</i> (bawang prei, leek), <i>Allium fistulosum</i> (bawang daun, welsh onion)	umbi lapis (bulbs), daun (leaves)	<p>America: Brazil Asia: Republic of Korea (South Korea) Europe: Germany, Switzerland, United Kingdom</p>

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	Cladosporiaceae; Leafspot				
28.	<p>[s]: <i>Diaporthe neoviticola</i> Udayanga, Crous &amp; K. D. Hyde, 2012; (Syn. <i>Cryptosporella viticola</i> Shear, 1911);</p> <p>[a]: <i>Phomopsis viticola</i> (Sacc.) Sacc., 1915; (Sym. <i>Diplodia viticola</i> Desm., 1838, <i>Diplodia viticola</i> f. <i>foliicola</i> Lobik, 1926, <i>Diplodia viticola</i> f. <i>viticola</i> Desm., 1838, <i>Fusicoccum viticola</i> Reddick, 1909, <i>Metadiplodia subsolitaria</i> f. <i>viticola</i> (Desm.) Zambett., 1955, <i>Phoma viticola</i> Sacc., 1880, <i>Phoma viticola</i> var. <i>labrucae</i> Gonz. Frag., 1917, <i>Phoma viticola</i> var. <i>viticola</i> sacc., 1880, <i>Phoma vitis</i> Bonord., 1864, <i>Phomopsis viticola</i> var. <i>ampelopsidis</i> Grove, 1919 );</p> <p>Ascomycota, Sordariomycetes, Diaporthales, Diaporthaceae; Phomopsis cane and leaf spot, Phomopsis cane and leaf blight, black</p>	I	<i>Olea europaea</i> subsp. <i>europaea</i> (European olive), <i>Parthenocissus quinquefolia</i> (creeper), <i>Vitis labrusca</i> (fox grape), <i>Vitis rupestris</i> (sand-grape), <i>Vitis vinifera</i> (anggur, grapevine)	batang (stems), buah (fruits), bunga (inflorescences), daun (leaves)	<p>Africa: Algeria, Egypt, Kenya, South Africa, Tunisia, Zimbabwe</p> <p>America: Argentina, Brazil, Canada, Chile, Mexico, USA, Venezuela</p> <p>Asia: Brunei Darussalam, China, India, Japan, Taiwan, Turkey</p> <p>Europe: Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, France, Germany, Greece, Hungary, Italy, Jersey, Moldova, Montenegro, Netherlands, North Macedonia, Poland, Portugal, Romania, Russian Federation, Serbia, Slovenia,</p>

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	knot of grapevine, black rot of grapevine, dead-arm of grapevine, necrosis of grapevine				Spain, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand
29.	[s]: <i>Diaporthe perseae</i> (Zerova) R.R. Gomes, C. Glienke & Crous, 2013; [a]: <i>Phomopsis perseae</i> Zerova, 1940; Ascomycota, Pezizomycotina, Sordariomycetes, Diaporthales, Diaporthaceae; fruit rot	I	<i>Persea americana</i> (alpukat, avocado)	buah (fruits)	Africa: South Africa America: USA Asia: China
30.	[s]: <i>Didymella lycopersici</i> Kleb. 1921; [a]: <i>Phoma lycopersici</i> (Plowr.) Jacz., 1898; (Syn. <i>Ascochyta lycopersici</i> Brunaud, 18, <i>Diplodina lycopersici</i> Hollos, 1907, <i>Sphaeronaema lycopersici</i> Plowr., 1881); Ascomycota, Dothideomycetes, Pleosporales, Didymellaceae; canker of tomato, ascochyta blight, fruit rot of tomato, leaf spot of tomato, stem canker of tomato, stem rot of tomato	I	<i>Capsicum</i> (peppers), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum melongena</i> (terung, eggplant, aubergine), <i>Solanum nigrum</i> (leunca, black nightshade), <i>Solanum tuberosum</i> (kentang, potato)	batang (stems (above ground), trunks, branches), biji (true seeds, grains), buah (fruits), media tanam (growing media associated with plants), polong (pods), tunas (shoots)	Africa: Ivory Coast, Morocco, Nigeria America: Barbados, Brazil, Canada, Cuba, Dominican Republic, Haiti, Mexico, Panama, Puerto Rico, Trinidad and Tobago, USA, Venezuela Asia: Brunei Darussalam, China, India, Israel, Japan, Jordan, Malaysia

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					Europe: Albania, Armenia, Austria, Belarus, Belgium, Bulgaria, Cyprus, Denmark, Estonia, Finland, France, Germany, Greece, Ireland, Italy, Lithuania, Moldova, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Spain, Sweden, Ukraine, United Kingdom Oceania: French Polynesia, New Caledonia, New Zealand, Papua New Guinea, Tonga
31.	[s]: - [a]: <i>Diplodia laelio-cattleyae</i> Sibilis, 1927; (Syn. <i>Lasiodiplodia laeliocattleyae</i> )	I	<i>Cattleya</i> sp. (anggrek cattleya, cattleya)	daun (leaves), tanaman (whole plant)	America: Antigua and Barbuda, Argentina, Bahamas, Barbados, Belize, Bolivia,

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	(Sibilia) A. Alves, 2017); Ascomycota, Pezizomycotina, Dothideomycetes, Diaporthales, Diaporthaceae; leaf spot				Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Grenada, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, USA, Uruguay, Venezuela
32.	[s]: <i>Elsinoe arachidis</i> (Bitanc. & Jenkins) Rossman & W.C. Allen, 2016; [a]: <i>Sphaceloma arachidis</i> Bitanc. & Jenkins (1940); Ascomycota, Pezizomycotina, Dothideomycetes, Myriangiales, Elsinoaceae;	I	<i>Arachys hypogaea</i> (kacang tanah, groundnut)	batang (stems), daun (leaves)	Africa: Swaziland America: Argentina, Brazil, Colombia Asia: China, Japan

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	groundnut scab, peanut scab, scab of groundnut, scab: groundnut				
33.	[s]: <i>Elsinoe brasiliensis</i> Bitanc. & Jenkins 1942; (Syn. <i>Elsinoë jatrophae</i> Bitanc. & Jenkins, 1951); [a]: <i>Sphaceloma manihoticola</i> Bitanc. & Jenkins 1950; (Syn. <i>Sphaceloma brasiliensis</i> Zundel, 1931); Ascomycota, Pezizomycotina, Dothideomycetes, Myriangiales, Elsinoaceae; superelongation disease of cassava, cassava root enlargement	I	<i>Jatropha curcas</i> (jarak, jatropha), <i>Manihot esculenta</i> (ubi kayu, cassava), <i>Manihot glaziovii</i> (ceara rubber)	batang (stems), daun (leaves)	America: Barbados, Brazil, Colombia, Mexico, Panama, Venezuela Oceania: Cook Islands
34.	[s]: <i>Elsinoe mangiferae</i> Bitanc. & Jenkins, 1946; [a]: <i>Denticularia mangiferae</i> (Bitanc. & Jenkins) Alcorn, Grice & R.A. Peterson 1999; (Sym. <i>Sphaceloma mangiferae</i> Bitanc. & Jenkins, 1956); Ascomycota, Pezizomycotina, Dothideomycetes, Myriangiales, Elsinoaceae;	I	<i>Mangifera indica</i> (mangga, mango)	buah (fruits), daun (leaves)	Africa: Kenya America: Brazil, Canada, Cuba, Dominica, Grenada, Guyana, Haiti, Jamaica, Panama, Puerto Rico, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Trinidad

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	mango scab				and Tobago, USA Asia: India, Nepal, Philippines, Taiwan Oceania: Australia
35.	[s]: <i>Elsinoe rosarum</i> Jenkins & Bitanc. 1932; [a]: <i>Sphaceloma rosarum</i> (Pass.) Jenkins 1932; (Syn. <i>Gloeosporium rosarum</i> (Pass.) Grove, 1937, <i>Phyllosticta rosarum</i> Pass. 1881); Ascomycota, Pezizomycotina, Dothideomycetes, Myriangiales, Elsinoaceae; kudis, scab	I	<i>Rosa</i> spp. (mawar, rose)	batang (stems), daun (leaves), tangkai bunga	America: USA
36.	[s]: <i>Erysiphe bertolinii</i> Roum., 1880; (Syn. <i>Erysiphe tridactyla</i> (Wallr.) Rabenh., 1844); [a]: <i>Podosphaera tridactyla</i> (Wallr.) de Bary, 1870; (Syn. <i>Alphitomorpha tridactyla</i> Wallr., 1833, <i>Oidium passerinii</i> Bertol., 1879, <i>Podosphaera</i> <i>clandestina</i> var. <i>tridactyla</i> (Wallr.) W.B. Cooke, 1952, <i>Podosphaera</i>	I	<i>Prunus</i> (stone fruit), <i>Prunus</i> <i>armeniaca</i> (apricot), <i>Prunus</i> <i>avium</i> (ceri manis, sweet cherry), <i>Prunus domestica</i> (prem, plum), <i>Prunus dulcis</i> (almon, badam, almond), <i>Prunus hypoleuca</i> , <i>Prunus</i> <i>persica</i> (peach)	buah (fruits)	Africa: Canary Islands, Egypt, Libya, Morocco, South Africa America: Argentina, Canada, Chile, Ecuador, Mexico, Peru, USA Asia: Afghanistan, China, Georgia, India, Iran, Iraq, Israel,

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	<p><i>oxyacanthae</i> var. <i>tridactyla</i> (Wallr.) E.S. Salmon, 1900, <i>Podosphaera tridactyla</i> f. <i>tridactyla</i> (Wallr.) de Bary, 1870, <i>Podosphaera tridactyla</i> var. <i>prunicola</i> Y.S. paul &amp; V.K. Thakur, 2006, <i>Podosphaera tridactyla</i> var. <i>tridactyla</i> (Wallr.) de Bary, 1870); Ascomycota, Pezizomycotina, Leotiomycetes; powdery mildew of apricot</p>				<p>Japan, Jordan, Kyrgyzstan, Lebanon, Republic of Korea (South Korea), Saudi Arabia, Taiwan, Tajikistan, Turkey, Turkmenistan, Uzbekistan, Yemen Europe: Armenia, Azerbaijan, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Italy, Latvia, Lithuania, Malta, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Spain, Sweden, Switzerland, Ukraine, United Kingdom</p>



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
					Oceania: Australia, New Zealand
37.	<p>[s]: <i>Erysiphe cichoracearum</i> sensu auct. NZ, <i>Erysiphe orontii</i> var. <i>papaveris</i> Y. S. Paul &amp; V. K. Thakur, 2006; (Syn. <i>Erysiphe cichoracearum</i> f. <i>scrophulariae</i> Koshk., 1961, <i>Erysiphe cichoracearum</i> f. <i>fumariae</i> Annal., 1960, <i>Erysiphe polyphaga</i> Hammarl., 1945, <i>Erysiphe tabaci</i> Sawada, 1928, <i>Erysiphe cichoracearum</i> f. <i>actinostemonis</i> Jacz., 1927, <i>Erysiphe cichoracearum</i> f. <i>apocyni</i> Jacz., 1927, <i>Erysiphe cichoracearum</i> f. <i>asclepiadis</i> Jacz., 1927, <i>Erysiphe cichoracearum</i> f. <i>campanulae</i> Jacz., 1927, <i>Erysiphe orontii</i> Castagne, 1851, <i>Erysiphe orontii</i> var. <i>orontii</i> Castagne, 1851);</p> <p>[a]: <i>Golovinomyces orontii</i> (Castagne) V. P. Heluta, 1988; (Syn. <i>Euoidium lini</i> (Bondartsev) Y. S. Paul &amp; J. N. Kapoor, 1987,</p>		<p>Begonia, <i>Beta vulgaris</i> var. <i>saccharifera</i> (bit, sugar beet), <i>Campanula rapunculoides</i> (creeping bellflower), <i>Capsicum annuum</i> (paprika, bell pepper), <i>Citrullus lanatus</i> (semangka, watermelon), <i>Clitoria ternatea</i> (butterfly-pea), <i>Convolvulus arvensis</i> (bindweed), <i>Cucumis melo</i> (melon, melon), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Cucurbita maxima</i> (labu, giant pumpkin), <i>Cucurbita pepo</i> (labu kuning, zukini, zucchini), <i>Eucalyptus</i> spp. (eukaliptus, eucalyptus), <i>Euphorbia</i> (spurges), <i>Fragaria ananassa</i> (stroberi, strawberry), <i>Galium aparine</i> (cleavers),</p>	<p>batang (stems (above ground), trunks, branches), bibit (seedlings), buah (fruits), bunga (flowers, inflorescences, cones, calyx), daun (leaves), polong (pods), tanaman hasil mikropropagasi (micropropagate d plants), tunas (shoots)</p>	<p>Africa: Egypt, Libya, South Africa, Sudan, Tunisia America: Argentina, Brazil, Canada, Puerto Rico, USA, Venezuela Asia: Afghanistan, China, Georgia, India, Iran, Kuwait, Lebanon, Philippines, Republic of Korea (South Korea), Taiwan, Tajikistan, Turkey Europe: Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Italy, Lithuania, Netherlands, Norway, Poland, Portugal,</p>

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	<p><i>Acrosporium lini</i> (Škorič) Subram., 1971, <i>Oidium lini</i> Škorič, 1926, <i>Oidium lini</i> Bondartsev, 1913, <i>Oidium begoniae</i> Puttemans, 1911); Ascomycota, Leotiomycetes, Erysiphales, Erysiphaceae; white mould, powdery mildew</p>		<p>Hibiscus (rosemallows), <i>Lactuca sativa</i> (selada, lettuce), <i>Lactuca serriola</i> (prickly lettuce), <i>Lagenaria</i>, <i>Limnanthes douglasii</i>, <i>Luffa</i> <i>acutangula</i> (angled luffa), <i>Mentha piperita</i> (Peppermint), <i>Nicotiana</i> <i>tabacum</i> (tembakau, tobacco), <i>Petunia hybrida</i>, <i>Phlox paniculata</i> (summer perennial phlox), <i>Pisum</i> <i>sativum</i> (kapri, pea), Plantago (Plantain), <i>Senecio</i> <i>vulgaris</i>, <i>Sesamum</i> (Sesame), <i>Solanum</i> <i>lycopersicum</i> (tomat, tomato), <i>Solanum</i> <i>melongena</i> (terung, eggplant, aubergine), <i>Solanum nigrum</i> (leunca, black nightshade), <i>Solanum</i> <i>tuberosum</i> (kentang, potato), <i>Trichosanthes</i> <i>dioica</i> (pointed gourd),</p>		<p>Romania, Russian Federation, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand</p>

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			<i>Valerianella locusta</i> (common cornsalad), <i>Vinca</i> (periwinkle), <i>Vinca minor</i> (common periwinkle)		
38.	[s]: <i>Erysiphe quercicola</i> S. Takam. & U. Braun, 2007; [a]: <i>Pseudoidium anacardii</i> (F. Noack) U. Braun & R. T. A. Cook, 2012; (Syn. <i>Oidium anacardii</i> F. Noack., 1898), <i>Oidium citri</i> (J.M. Yen) U. Braun, 1982, <i>Acrosporium anacardii</i> (F. Noack) J.A. Stev., 1975, <i>Acrosporium heveae</i> (B.A. Steinm.) Subram., 1971, <i>Acrosporium mangiferae</i> (Berthet) Subram., 1971, <i>Oidium erysiphoides</i> f. <i>citri</i> J.M. Yen, 1967, <i>Oidium heveae</i> B.A. Steinm., 1925, <i>Oidium mangiferae</i> Berthet, 1914); Ascomycota, Pezizomycotina, Leotiomycetes, Erysiphales, Erysiphaceae; powdery mildew	I	<i>Anacardium occidentale</i> <i>Anacardium occidentale</i> (jambu mete, cashew-nut), <i>Cinnamomum camphora</i> , <i>Citrus reticulata</i> , <i>Quercus robur</i> , <i>Quercicola</i> (oaks)	buah (fruits), daun (leaves), tanaman (whole plant)	Africa: Malawi, Mozambique, Tanzania, Zambia America: Brazil, Mexico Asia: Vietnam
39.	[s]: <i>Exobasidium reticulatum</i> Ito et Sawada, 1912;	I	<i>Camellia sinensis</i> (teh, tea)	batang (stems), daun (leaves)	Asia: China, Japan, Malaysia, Taiwan

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	[a]: - Basidiomycota, Ustilaginomycotina, Exobasidiomycetes, Exobasidiales, Exobasidiaceae; net blister blight of tea				
40.	[s]: <i>Fomitopsis pinicola</i> (Sw.) P. Karst. 1881; (Syn. <i>Antrrodia serpens</i> var. <i>tuber</i> P. Karst., 1889, <i>Antrrodia tuber</i> (P. Karst) P. Karst., 1898, <i>Boletus fulvus</i> Schaeff., 1774, <i>Boletus marginatus</i> Pers., 1794, <i>Boletus pinicola</i> Sw., 1810, <i>Boletus semiovatus</i> Schaeff., 1774, <i>Coriolus helveolus</i> (Rostk.) Quél., 1890, <i>Favolus pinihalepensis</i> Pat., 1897, <i>Fomes albus</i> (Lázaro Ibiza) Sacc. & Trotter, 1925, <i>Fomes cinnamomeus</i> (Trog) Fr., 1849, <i>Fomes lychneus</i> Lázaro Ibiza, 1916, <i>Fomes marginatus</i> (Pers.) Fr., 1849, <i>Fomes marginatus</i> f. <i>marginatus</i> (Pers.) Fr., 1849, <i>Fomes marginatus</i> f. <i>paludosus</i> f. <i>paludosus</i> Murashk. Ex Pilát, 1936, <i>Fomes pini-</i>	I	<i>Abies alba</i> (fir, silver fir), <i>Abies amabilis</i> (Pacific silver fir), <i>Abies balsamea</i> (balsam fir), <i>Abies concolor</i> (Rocky Mountain white fir), <i>Abies grandis</i> (grand fir), <i>Abies holophylla</i> (Manchurian fir), <i>Abies lasiocarpa</i> (rocky mountain fir), <i>Abies magnifica</i> (red fir), <i>Abies nephrolepis</i> (Khingana fir), <i>Abies nordmanniana</i> (Nordmann fir), <i>Abies procera</i> (noble fir), <i>Abies religiosa</i> (sacred fir), <i>Acer pictum</i> (painted maple), <i>Alnus glutinosa</i> (European alder), <i>Alnus incana</i> (grey alder), <i>Acer macrophyllum</i> , <i>Agathis</i> , <i>Betula</i>	akar (roots), batang (stems)	Africa: Egypt, Morocco America: Brazil, Canada, Guatemala, Mexico, USA, Asia: China, India, Iran, Israel, Japan, Kazakhstan, Nepal, Pakistan, Philippines, Taiwan, Thailand, Turkey Europe: Armenia, Austria, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Italy, Latvia, Lithuania,

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	<p><i>halepensis</i> Pat. 1897, <i>Fomes pinicola</i> (Sw.) Fr., 1849, <i>Fomes pinicola</i> var. <i>marginatus</i> (Pers.) Overh., 1953, <i>Fomes pinicola</i> var. <i>pinicola</i> (Sw.) Fr., 1849, <i>Fomes subungulatus</i> Murrill, 1908, <i>Fomes thomsonii</i> (Berk.) Cooke, 1885, <i>Fomitopsis marginata</i> (Pers.) P. Karst., 1881, <i>Fomitopsis pinicola</i> f. <i>effusa</i> (Bourdot &amp; Galzin) Domański, Orloś &amp; Skirg., 1967, <i>Fomitopsis pinicola</i> f. <i>paludosa</i> (Murash. ek Pilát) Domański, Orloś &amp; Skirg., 1967, <i>Fomitopsis pinicola</i> f. <i>pinicola</i> (Sw.) P. Karst., 1881, <i>Fomitopsis subungulata</i> (Murrill) Imazeki, 1943, <i>Friesia rubra</i> Lázaro Ibiza, 1916, <i>Ganoderma rubrum</i> (Lázaro Ibiza) Sacc. &amp; Trotter, 1925, <i>Ischnoderma helveolum</i> (Rostk.) P. Karst., 1879, <i>Mensularia alba</i> Lázaro Ibiza, 1916, <i>Mensularia marginata</i> (Pers.) Lázaro Ibiza, 1916, <i>Piptoporus helveolus</i> (Rostk.) P. Karst., 1882, <i>Placodes helveolus</i></p>		<p><i>alleghaniensis</i> (yellow birch), <i>Betula papyrifera</i> (paper birch), <i>Betula pendula</i> (common silver birch), <i>Betula platyphylla</i> (Manchurian birch), <i>Betula populifolia</i> (gray birch), <i>Calocedrus decurrens</i>, <i>Carpinus betulus</i> (hornbeam), <i>Carpinus cordata</i> (heart-leaved hornbeam), <i>Carya</i> (hickories), <i>Castanea</i> (chestnuts), <i>Chamaecyparis nootkatensis</i> (Alaska cedar), <i>Corylus avellana</i> (hazel), <i>Fagus grandifolia</i> (American beech), <i>Fagus sylvatica</i> (common beech), <i>Larix gmelinii</i> (Dahurian larch), <i>Larix kaempferi</i> (Japanese larch), <i>Larix komarovii</i>, <i>Larix laricina</i> (American larch), <i>Malus domestica</i> (apel, apple), <i>Picea abies</i> (common</p>		<p>Montenegro, Netherlands, North Macedonia, Norway, Poland, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia</p>

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	<p>(Rostk.) Quél., 1886, <i>Placodes marginatus</i> (Pers.) Quél., 1886, <i>Placodes pinicola</i> (Sw.) Pat., 1887, <i>Polyporus cinnamomeus</i> sensu Trog, 1832, <i>Polyporus helveolus</i> Rostk., 1838, <i>Polyporus marginatus</i> (Pers.) Fr. 1821, <i>Polyporus parvulus</i> (Lázaro Ibiza) Sacc. &amp; Trotter, 1925, <i>Polyporus pinicola</i> (Sw.) Fr., 1821, <i>Polyporus pinicola</i> var. <i>pinicola</i> (Sw.) Fr., 1821, <i>Polyporus ponderosus</i> H. Schrenk, 1903, <i>Polyporus semiovatus</i> (Schaeff.) Britzelm., 1887, <i>Polyporus thomsonii</i> Berk., 1854, <i>Pseudofomes pinicola</i> (Sw.) Lázaro Ibiza, 1916, <i>Scindalma cinnamomeum</i> (Trog) Kuntze, 1898, <i>Scindalma marginatum</i> (Pers.) Kuntze, 1898, <i>Scindalma semiovatum</i> (Schaeff.) Kuntze, 1898, <i>Scindalma thomsonii</i> (Berk.) Kuntze, 1898, <i>Trametes marginata</i> (Pers.) P. Karst., 1882, <i>Trametes pinicola</i> (Sw.) P. Karst., 1882, <i>Ungularia parvula</i> Lázaro Ibiza, 1916,</p>		<p>spruce), <i>Picea glauca</i> (white spruce), <i>Picea jezoensis</i> (Yeddo spruce), <i>Picea koraiensis</i> (Korean spruce), <i>Picea mariana</i> (black spruce), <i>Picea obovata</i> (Siberian spruce), <i>Picea rubens</i> (red spruce), <i>Picea sitchensis</i> (Sitka spruce), <i>Pinus contorta</i> (lodgepole pine), <i>Pinus edulis</i> (pinyon), <i>Pinus flexilis</i> (limber pine), <i>Picea engelmannii</i> (Engelmann spruce), <i>Picea pungens</i> (blue spruce), <i>Pinus lambertiana</i> (big pine), <i>Pinus monophylla</i> (single-leaf pinyon pine), <i>Pinus ponderosa</i> (ponderosa pine), <i>Pinus sibirica</i> (Siberian stone pine), <i>Pinus strobus</i> (eastern white pine), <i>Pinus tabuliformis</i> (chinese pine), <i>Pinus koraiensis</i> (fruit pine), <i>Pinus sylvestris</i> (Scots</p>		

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	<p><i>Ungulina marginata</i> (Pers.) Pat., 1900, <i>Ungulina marginata</i> f. <i>effusa</i> Bourdot &amp; Galzin, 1925, <i>Ungulina marginata</i> f. <i>marginata</i> (Pers.) Pat., 1900, <i>Ungulina marginata</i> f. <i>paludosa</i> Pilát, 1936, <i>Ungulina marginata</i> f. <i>przibramensis</i> Pilát, 1929, <i>Ungulina marginata</i> f. <i>resupinata</i> Bourdot &amp; Galzin, 1925, <i>Ungulina pinicola</i> (Sw.) Singer, 1929);</p> <p>[a]: - Basidiomycota, Agaricomycotina, Agaricomycetes, Polyporales, Fomitopsidaceae; brown crumbly rot, brown cubical heart rot of fir, brown rot of conifers, pinicola conk, red belt fungus, root rot conifers,</p>		<p>pine), <i>Platanus occidentalis</i> (sycamore), <i>Platanus orientalis</i> (plane), <i>Populus grandidentata</i> (Bigtooth aspen), <i>Populus maximowiczii</i> (Japanese poplar), <i>Populus nigra</i> (black poplar), <i>Populus tremula</i> (aspen (European)), <i>Populus tremuloides</i> (trembling aspen), <i>Prunus avium</i> (ceri manis, sweet cherry), <i>Prunus salicina</i> (Japanese plum), <i>Prunus persica</i> (peach), <i>Prunus sargentii</i> (sargent's cherry), <i>Prunus serotina</i> (black cherry), <i>Pseudotsuga menziesii</i> (Douglas-fir), <i>Tsuga heterophylla</i> (western hemlock), <i>Tsuga mertensiana</i> (Patton's hemlock), <i>Vitis</i> (grape) <i>Magnolia</i>, <i>Salix alba</i> (white willow), <i>Salix caprea</i> (pussy</p>		

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			willow), <i>Salix fragilis</i> (crack willow), <i>Sequoia sempervirens</i> (coast redwood), <i>Sorbus aucuparia</i> (mountain ash), <i>Thuja occidentalis</i> (Eastern white cedar), <i>Thuja plicata</i> (western redcedar), <i>Tilia cordata</i> (small-leaf lime), <i>Tsuga canadensis</i> (eastern hemlock)		
41.	[s]: - [a]: <i>Fusarium chlamydosporum</i> Wollenw. & Reinking, 1925; (Syn. <i>Dactylium fusarioides</i> Gonz. Frag. & Cif., 1928, <i>Fusarium chlamydosporum</i> var. <i>chlamydosporum</i> Wollenw. & Reinking, 1925, <i>Fusarium chlamydosporum</i> var. <i>fuscum</i> Gerlach, 1977, <i>Fusarium fusarioides</i> (Gonz. Frag. & Cif.) C. Booth, 1971, <i>Fusarium sporotrichioides</i> var. <i>chlamydosporum</i> (Wollenw. &	I	<i>Morus</i> (mulberrytree), <i>Pennisetum glaucum</i> (pearl millet), <i>Pinus alepensis</i> (pinus, Aleppo pine), <i>Sorghum bicolor</i> (sorghum, sorghum)	akar (roots), batang (stems), biji (true seeds), media tanam (growing media associated with plants)	Africa: Algeria, Cameroon, Canary Islands, Egypt, Gambia, Guyana, Kenya, Libya, Mozambique, Namibia, Nigeria, Sierra Leone, Swaziland, Zambia, Zimbabwe America: Barbados, Colombia, Jamaica, USA, Venezuela Asia: Bangladesh, China, Hong Kong,



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	Reinking) Joffe, 1974, <i>Pseudofusarium purpureum</i> Matsush., 1971); Ascomycota, Pezizomycotina, Sordariomycetes, Hypocreales, Nectriaceae; wilt cotton				India, Israel, Japan, Kuwait, Malaysia, Oman, Pakistan, Saudi Arabia, Sri Lanka, Tanzania, Turkey, Uni Emirates Arab Europe: Cyprus, Denmark, Germany, Italy, Netherlands, Portugal, United Kingdom Oceania: Australia, New Zealand, Papua New Guinea, Samoa
42.	[s]: - [a]: <i>Fusarium oxysporum</i> f.sp. <i>elaeidis</i> Schltdl.: Fr., 1824; (Syn. <i>Fusarium angustum</i> Sherb., 1915); Ascomycota, Pezizomycotina, Sordariomycetes, Hypocreales, Nectriaceae; fusarium wilt of oil palm, vascular oil palm wilt	I	<i>Elaeis guineensis</i> (kelapa sawit, oilpalm)	akar (roots), batang (stems), biji (true seeds), buah (fruits), bunga (inflorescences), daun (leaves), media tanam (growing media associated with plants)	Africa: Benin, Cameroon, DR Congo, Ghana, Ivory Coast, Nigeria America: Brazil, Colombia, Costa Rica, Ecuador, Suriname

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43.	[s]: - [a]: <i>Fusarium oxysporum</i> f.sp. <i>raphani</i> ; Ascomycota, Sordariomycetes, Hypocreales, Nectriaceae; wilt of radish		<i>Diplotaxis tenuifolia</i> , <i>Eruca vesicaria</i> (purple-vein rocket), <i>Raphanus sativus</i> (lobak, radish)	akar (roots), batang (stems), bibit (seedlings), media tanam (growing media associated with plants)	Asia: Japan, Taiwan Europe: Netherlands
44.	[s]: - [a]: <i>Fusarium sporotrichioides</i> Sherb., 1915; (Syn. <i>Fusarium sporotrichiella</i> Bilai, 1953, <i>Fusarium sporotrichiella</i> var. <i>sporotrichiella</i> Bilai, 1953, <i>Fusarium sporotrichiella</i> var. <i>sporotrichioides</i> (Sherb.) Bilai, 1953, <i>Fusarium sporotrichioides</i> subsp. <i>minus</i> (Wollenw.) Raillo, 1950, <i>Fusarium sporotrichioides</i> subsp. <i>minus</i> (Wollenw.) Raillo, 1950, <i>Fusarium sporotrichioides</i> var. <i>minus</i> Wollenw., 1930, <i>Fusarium sporotrichioides</i> subsp. <i>sporotrichioides</i> Sherb., 1915, <i>Fusarium sporotrichioides</i> var. <i>sporotrichioides</i> Sherb., 1915);	I	<i>Avena sativa</i> (oat, oats), <i>Glycine max</i> (kedelai, soyabean), <i>Hordeum vulgare</i> (barli, barley), <i>Lolium perenne</i> (perennial ryegrass), <i>Medicago sativa</i> (lucerne), <i>Pinus strobus</i> (eastern white pine), <i>Pinus ponderosa</i> var. <i>jeffreyi</i> , <i>Pisum sativum</i> (pea), <i>Triticum aestivum</i> (wheat), <i>Zea mays</i> (jagung, corn, maize), turfgrasses, <i>Zizania palustris</i> (northern wild rice)	batang (stems), biji (true seeds), media tanam (growing media associated with plants)	Africa: Egypt, Kenya, Sierra Leone, South Africa, Tanzania America: Barbados, Brazil, Canada, USA Asia: China, India, Japan, Pakistan, Thailand, Turkey Europe: Austria, Cyprus, Czech Republic, Denmark, Germany, Ireland, Italy, Poland, Portugal, Russian Federation, Slovakia, United Kingdom Oceania: Australia, New Zealand

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	Ascomycota, Pezizomycotina, Sordariomycetes, Hypocreales, Nectriaceae; kernel rot of maize, blight of grasses, foot rot of carnation				
45.	[s]: <i>Gaeumannomyces graminis</i> (Sacc.) Arx & D.L. Olivier, 1952; (Syn. <i>Gaeumannomyces cariceti</i> (Berk. & Broome) Lar.N. Vassiljeva, 1988), <i>Gaeumannomyces graminis</i> var. <i>avenae</i> (E.M. Turner) Dennis, 1960, <i>Gaeumannomyces graminis</i> var. <i>graminis</i> (Sacc.) Arx & D.L Olivier, 1952, <i>Gaeumannomyces</i> <i>graminis</i> var. <i>maydis</i> J.M. Yao, Yong C. Wang & Y.G. Zhu, 1992, <i>Gaeumannomyces graminis</i> var. <i>tritici</i> J. Walker, 1972, <i>Gaeumannomyces oryzinus</i> (Sacc.) Schrantz, 1961, <i>Linocarpon</i> <i>oryzinum</i> (Sacc.) Petr., 1952, <i>Ophiobolus graminis</i> var. <i>avenae</i> E.M. Turner, 1941, <i>Ophiobolus</i> <i>graminis</i> (Sacc) Sacc., 1875, <i>Ophiochaeta graminis</i> (Sacc.) Hara,	I	<i>Avena</i> spp. (oat, oats), <i>Cynodon</i> spp. (rumput bermuda, bermuda grass), <i>Eremochloa ophiuroides</i> (centipede grass), <i>Oryza</i> <i>sativa</i> (padi, paddy, rice), secale, <i>Pennisetum</i> <i>clandestinum</i> (kikuyu grass), Poaceae, <i>Triticum</i> <i>aestivum</i> (gandum, wheat), <i>Stenotaphrum secundatum</i> (rumput steno, St. Augustine grass), <i>Zea mays</i> (jagung, corn, maize), <i>Zizania</i> spp. (wild rice), <i>Zoysia japonica</i>	akar (roots), batang (stems), biji (true seeds), daun (leaves), media tanam (growing media associated with plants)	Africa: Egypt, Kenya, Nigeria, Sierra Leone, South Africa, Tanzania, Zimbabwe America: Ecuador, Peru, USA Asia: Hong Kong, India, Israel, Japan, Malaysia, Pakistan, Philippines, Sri Lanka, Taiwan Eropa: Romania, Sweden, United Kingdom Oceania: Australia, Papua New Guinea

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	<p>1916, <i>Ophiobolus graminis</i> var. <i>luzulae</i> Klika, 1923, <i>Ophiobolus oryzinus</i> Sacc., 1961, <i>Ophiobolus graminis</i> var. <i>graminis</i> (Sacc.) Sacc., 1875, <i>Rhachidiophora Cariceta</i> (Berk. &amp; Broome) Cooke, <i>Rhaphidiophora graminis</i> Sacc., 1875, <i>Sphaeria cariceti</i> Berk. &amp; Broome, 1861);</p> <p>[a]: - Ascomycota, Pezizomycotina, Sordariomycetes, Magnaporthales, Magnaporthaceae; crown sheath rot, crown sheath rot of rice, patch disease of turf</p>				
46.	<p>[s]: <i>Gibberella avenacea</i> R.J. Cook, 1967;</p> <p>[a]: <i>Fusarium avenaceum</i> (Fr.) Sacc., 1886; (Syn. <i>Fusarium avenaceum</i> Fr., 1832, <i>Fusarium avenaceum</i> f. <i>avenaceum</i> (Fr.) Sacc., 1886, <i>Fusarium avenaceum</i> f. <i>fabalis</i> X.Y. Ruan, Y.M. Jiang, W. Luo &amp; J.H. Wang, 1982, <i>Fusarium avenaceum</i></p>	I	<p><i>Abies balsamea</i> (balsam fir), <i>Acacia nilotica</i> (gum arabic tree), <i>Albizia julibrissin</i> (silk tree), <i>Allium porrum</i> (bawang daun, leek), <i>Allium sativum</i> (bawang putih, garlic), <i>A Armoracia rusticana</i> (horseradish), <i>Asparagus officinalis</i> (asparagus), <i>Avena sativa</i> (oat, oats),</p>	akar (roots), batang (stems), benih (true seeds) buah (fruits), media tanam (growing media associated with plants)	Africa: Egypt, Ethiopia, Kenya, Nigeria, South Africa America: Argentina, Brazil, Canada, Chile, Mexico, Puerto Rico, Peru, Trinidad and Tobago, USA, Venezuela Asia: China, Georgia,

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	<p>f. <i>fabarum</i> X.Y. Ruan, Y.M. Jiang, W. Luo &amp; J.H. wang, 1982, <i>Fusarium avenaceum</i> f. <i>fabae</i> (T.F. Yu) W. Yamam., 1955, <i>Fusarium avenaceum</i> subsp. <i>avenaceum</i> (Fr.) Sacc., 1886, <i>Fusarium avenaceum</i> subsp. <i>volutum</i> (Wollenw.) Raillo., 1950, <i>Fusarium avenaceum</i> var. <i>avenaceum</i> (Fr.) Sacc., 1886, <i>Fusarium avenaceum</i> var. <i>fabae</i> T.F. Yu, 1944, <i>Fusarium avenaceum</i> var. <i>herbarum</i> (Corda) Bilai., 1955, <i>Fusarium avenaceum</i> var. <i>pallens</i> Wollenw., 1924, <i>Fusarium avenaceum</i> var. <i>volutum</i> (Wollenw.) Wollenw. &amp; Reinking, 1935, <i>Fusarium graminum</i> var. <i>herbarum</i> (Corda) Wollenw., 1930, <i>Fusarium herbarum</i> var. <i>avenaceum</i> (Fr.) Wollenw., 1930, <i>Fusarium herbarum</i> var. <i>volutum</i> Wollenw., 1930, <i>Fusarium herbarum</i> (Corda) Fr., 1849, <i>Fusarium herbarum</i> var. <i>herbarum</i> (Corda) Fr., 1849, <i>Solenosporium</i></p>		<p><i>Beta vulgaris</i> (bit, beetroot), <i>Betula pendula</i> (common silver birch), <i>Brassica napus</i> var. <i>napus</i> (rape), <i>Brassica oleracea</i> var. <i>botrytis</i> (bunga kol, cauliflower), <i>Brassica oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Brassica rapa</i> subsp. <i>oleifera</i> (turnip rape), <i>Cajanus cajan</i> (kacang gude, pigeon pea), <i>Calendula officinalis</i> (Pot marigold), <i>Carum carvi</i> (caraway), <i>Chrysanthemum</i> (krisan, daisy), <i>Cicer arietinum</i> (chickpea), <i>Clausena lansium</i> (wampi), <i>Consolida ambigua</i> (rocket larkspur), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Cucurbita</i> (pumpkin), <i>Cucurbita pepo</i> (labu, zucchini, zucchini), <i>Cyamopsis tetragonoloba</i> (guar), <i>Dactylis glomerata</i></p>		<p>India, Iran, Iraq, Israel, Japan, Kazakhstan, Republic of Korea (South Korea), Lebanon, Malaysia, Sri Lanka, Taiwan, Turkey, Uzbekistan Europe: Austria, Belarus, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom</p>

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	<p><i>herbarum</i> Corda, 1839); Ascomycota, Pezizomycotina, Sordariomycetes; Hypocreales, Nectriaceae; Fusarium blight; head blight; stem base disease; scab</p>		<p>(cocksfoot), <i>Daucus carota</i> (wortel, carrot), <i>Dianthus</i> <i>caryophyllus</i> (anyelir, carnation), <i>Eucalyptus</i> <i>obliqua</i> (messmate stringybark), <i>Eucalyptus</i> <i>radiata</i>, <i>Fagus sylvatica</i> (common beech), <i>Foeniculum vulgare</i> (fennel), <i>Fragaria vesca</i> (wild strawberry), <i>Fraxinus</i> <i>excelsior</i> (ash), <i>Fritillaria</i>, <i>Glycine max</i> (kedelai, soyabean), <i>Gossypium</i> (cotton), <i>Hordeum vulgare</i> (barli, barley), <i>Hosta</i>, <i>Ipomea batatas</i>, (ubi jalar, sweet potato), <i>Laburnum</i> <i>anagyroides</i> (laburnum), <i>Lens culinaris</i> subsp. <i>culinaris</i> (lentil), <i>Linum</i> <i>usitatissimum</i> (flax), <i>Lolium</i> <i>multiflorum</i> (Italian ryegrass), <i>Lolium perenne</i> (perennial ryegrass),</p>		<p>Oceania: Australia, New Zealand, Papua New Guinea</p>

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			<p>Lupinus (lupins), <i>Lupinus luteus</i> (yellow lupin), <i>Malus domestica</i> (apel, apple), <i>Medicago littoralis</i> (strand medick), <i>Medicago rugosa</i>, <i>Medicago sativa</i> (alfalfa, lucerne), <i>Medicago tribuloides</i> (barrel medic), <i>Miscanthus × giganteus</i>, <i>Morus</i> (melberrytree), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Onobrychis viciifolia</i> (sainfoin), <i>Oryza sativa</i> (padi, paddy, rice), <i>Panax quinquefolius</i> (American ginseng), <i>Persea americana</i> (alpukat, avocado), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Picea abies</i> (common spruce), <i>Pinus nigra</i> (black pine), <i>Pinus sylvestris</i> (Scots pine), <i>Piper betle</i> (betel pepper), <i>Pisum sativum</i> (pea), <i>Populus</i></p>		

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			<p><i>deltoides</i> (poplar), <i>Prunus cerasus</i> (kersen, sour cherry), <i>Prunus persica</i> (persik, peach), <i>Prunus persica</i> var. <i>nucipersica</i> (nectarine), <i>Pseudotsuga menziesii</i> (Douglas-fir), <i>Pteridium aquilinum</i> (bracken), <i>Pyrus communis</i> (pir, pear), <i>Rubus idaeus</i> (raspberry), <i>Secale cereale</i> (rye), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum tuberosum</i> (kentang, potato), <i>Strelitzia reginae</i> (Queens bird-of-paradise), <i>Theobroma cacao</i> (kakao, cocoa), <i>Trifolium fragiferum</i> (strawberry clover), <i>Trifolium pratense</i> (red clover), <i>Trifolium repens</i> (semanggi putih, white clover), <i>Trifolium subterraneum</i> (subterranean clover),</p>		



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			<i>Triticum aestivum</i> (gandum, wheat), <i>Triticum turgidum</i> (durum wheat), <i>Vicia</i> (vetch), <i>Vicia faba</i> (faba bean), <i>Zea mays</i> (jagung, corn, maize)		
47.	[s]: <i>Gibberella circinata</i> Nirenberg & O'Donnell ex Britz, T.A. Cout., M.W. Wingf. & Marasas 2002; [a]: <i>Fusarium circinatum</i> Nirenberg & O'Donnell, 1998; (Syn. <i>Fusarium subglutinans</i> f.sp. <i>pini</i> J.C. Correll, T.R. Gordon, A.H. McCain, J.W. Fox, C.S. Koehler, D.L. Wood & M.E. Schultz, 1991); Ascomycota, Pezizomycotina, Sordariomycetes, Hypocreales, Nectriaceae; pine pitch canker	I	<i>Cymbidium</i> , <i>Festuca arundinacea</i> (tall fescue), <i>Holcus lanatus</i> (common velvet grass), <i>Musa acuminata</i> (wild banana), <i>Pinus Arizonica</i> (arizona pine), <i>Pinus attenuata</i> (knobcode pine), <i>Pinus ayacahuite</i> (Mexican white pine), <i>Pinus canariensis</i> (canary pine), <i>Pinus cembroides</i> (Mexican pine), <i>Pinus clausa</i> (sand pine), <i>Pinus contorta</i> (lodgepole pine), <i>Pinus coulteri</i> (big-cone pine), <i>Pinus densiflora</i> (Japanese umbrella pine), <i>Pinus discolor</i> (border pinyon pine), <i>Pinus</i>	akar (roots), batang (stems (above grounds), trunks, branches), bibit (seedlings), biji (true seeds), bunga (flowers, inflorescences, cones, calyx), daun (leaves), kayu (woods), kulit kayu (bark), media tanam (growing medium accompanying plants), daun	Africa: South Africa America: Chile, Haiti, Mexico, USA, Uruguay Asia: Japan, Republic of Korea (South Korea) Europe: Portugal, Spain

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			<p><i>douglasiana</i>, <i>Pinus durangensis</i> (Durango pine), <i>Pinus echinata</i> (shortleaf pine), <i>Pinus elliotii</i> (slash pine), <i>Pinus estevezii</i>, <i>Pinus glabra</i> (spruce pine), <i>Pinus greggii</i> (Gregg's pine), <i>Pinus halepensis</i> (Aleppo pine), <i>Pinus hartwegii</i> (Hartweg pine), <i>Pinus leiophylla</i> (smooth-leaved pine), <i>Pinus luchuensis</i> (luchu pine), <i>Pinus maximinoi</i> (thin-leaf pine), <i>Pinus michoacana</i> (Michoacan pine), <i>Pinus montezumae</i> (Montezuma pine), <i>Pinus muricata</i> (bishop pine), <i>Pinus oaxacana</i>, <i>Pinus occidentalis</i> (Haitian pine), <i>Pinus oocarpa</i> (ocote pine), <i>Pinus palustris</i> (longleaf pine), <i>Pinus patula</i> (Mexican weeping pine), <i>Pinus</i></p>	<p>(leaves), tanaman hasil mikropropagasi (micropropagated plants), tunas (shoots)</p>	

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			<p><i>pinaster</i> (maritime pine), <i>Pinus pinea</i> (stone pine), <i>Pinus ponderosa</i> (ponderosa pine), <i>Pinus pringlei</i>, <i>Pinus pseudostrobus</i> (pseudostrobus pine), <i>Pinus pungens</i> (table mountain pine), <i>Pinus radiata</i> (radiata pine), <i>Pinus rigida</i> (pitch pine), <i>Pinus sabiniana</i> (digger pine), <i>Pinus serotina</i> (pond pine), <i>Pinus strobus</i> (eastern white pine), <i>Pinus sylvestris</i> (Scots pine), <i>Pinus taeda</i> (loblolly pine), <i>Pinus thunbergii</i> (Japanese black pine), <i>Pinus torreyana</i> (torrey pine), <i>Pinus virginiana</i> (scrub pine), <i>Pseudotsuga menziesii</i> (Douglas-fir)</p>		
48.	<p>[s]: <i>Gibberella xylarioides</i> R. Heim &amp; Saccas, 1950; [a]: <i>Fusarium xylarioides</i> Steyaert, 1948</p>	I	<p><i>Coffea</i> spp. (kopi, coffee), <i>Coffea arabica</i>, <i>Coffea canephora</i>, <i>Coffea liberica</i>, <i>Gossypium barbadens</i></p>	<p>akar (roots), batang (stems), bibit (seedlings), kayu (woods),</p>	<p>Africa: Central African Republic, DR Congo, Ethiopia, Nigeria, Rwanda, Senegal,</p>

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	(Syn. <i>Fusarium lateritium</i> f. sp. <i>xylarioides</i> W.L. Gordon, 1965, <i>Fusarium oxysporum</i> f. <i>xylarioides</i> (Steyaert) Delassus, 1954); Ascomycota, Pezizomycotina, Sordariomycetes; Hypocreales, Nectriaceae; coffee wilt, sudden death of coffee, vascular wilt of coffee, tracheomycosis of coffee		(kapas, cotton), <i>Musa paradisiaca</i> (pisang, banana), <i>Solanum lycopersicum</i> (tomat, tomato)	kulit kayu (bark), media tanam (growing media associated with plants)	South Africa, Sudan, Swaziland, Tanzania
49.	[s]: - [a]: <i>Gloeocercospora sorghi</i> D.C. Bain & Edgerton ex Deighton, 1971; (Syn. <i>Gloeocercospora sorghi</i> D.C. Bain & Edgerton, 1943, <i>Microdochium sorghi</i> (D.C. Bain & Edgerton ex Deighton) U. Braun, 1995, <i>Ramulispora andropogonis</i> Miura, 1920, <i>Titaeospora andropogonis</i> F.L. Tai, 1932); Ascomycota, Pezizomycotina, Sordariomycetes; Xilariales; zonate leaf spot	I	<i>Agrostis capillaris</i> (brown bentgrass), <i>Agrostis stolonifera</i> var. <i>palustris</i> (bent grass), <i>Cynodon dactylon</i> (rumput Bermuda, Bermuda grass), <i>Pennisetum glaucum</i> (pearl millet), <i>Pennisetum purpureum</i> (elephant grass), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Sorghum halepense</i> (Johnson grass), <i>Sorghum sudanense</i> (Sudan grass),	biji (true seeds), bunga (flowers, inflorescences, cones, calyx), daun (leaves), tanaman (whole plant)	Africa: Benin, Burkina Faso, Central African Republic, Chad, Congo, Eritrea, Ethiopia, Gambia, Ghana, Kenya, Mali, Niger, Nigeria, Rwanda, Senegal, Somalia, Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe America: Argentina, Belize, Brazil, El Salvador, Guatemala, Haiti, Mexico,

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			<i>Zea mays</i> (jagung, corn, maize)		Nicaragua, Panama, USA, Venezuela Asia: China, DPR Korea (North Korea), India, Japan, Malaysia, Philippines, Taiwan, Thailand Europe: Russian Federation Oceania: American Samoa, Australia, Samoa, Tonga
50.	[s]: <i>Glomerella graminicola</i> D. J. Politis, 1975; (Syn. <i>Dicladium graminicola</i> Ces., 1852), <i>Steirochaete graminicola</i> (Ces.) Sacc., 1886, <i>Vermicularia melicae</i> Fuckel, 1874; [a]: <i>Colletotrichum graminicola</i> (Ces.) G. W. Wilson, 1914; (Syn. <i>Colletotrichum graminicola</i> var. <i>zonatum</i> Rajasab & Ramal., 1981, <i>Colletotrichopsis graminicola</i> (Ces.) Munt.-Cvetk., 1952, <i>Colletotrichum graminicola</i> f.	I	Poaceae (grasses), <i>Zea mays</i> (jagung, corn, maize)	batang (stems (above ground), trunks, branches), biji (true seeds, grains), bunga (flowers, inflorescences, cones, calyx), daun (leaves), tunas (shoots)	Africa: Angola, Botswana, Burkina Faso, Burundi, Cameroon, Chad, Egypt, Eritrea, Ethiopia, Ghana, Guinea, Ivory Coast, Kenya, Lesotho, Libya, Malawi, Mali, Mauritius, Mozambique, Niger, Nigeria, Rwanda, Sierra Leone, Somalia,

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	<p><i>graminicola</i> (Ces.) G. W. Wilson, 1914, <i>Colletotrichum graminicola</i> var. <i>graminicola</i> (Ces.) G. W. Wilson, 1914); Ascomycota, Sordariomycetes, Glomerellales, Glomerellaceae; red stalk rot of cereals, anthracnose of cereals, anthracnose stalk rot, cereals leaf spot, cereals seedling blight, corn anthracnose, grain anthracnose, leaf blight of maize, leaf spot of cereals, maize leaf blight, maize stalk rot, panicle anthracnose, seedling blight of cereals, stalk rot of maize</p>				<p>South Africa, Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe America: Argentina, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, El Salvador, Guatemala, Guyana, Mexico, Panama, Puerto Rico, Trinidad and Tobago, USA, Venezuela Asia: Bhutan, China, India, Japan, Malaysia, Nepal, Pakistan, Philippines, Taiwan, Thailand Europe: Austria, Croatia, Czech Republic, Finland, France, Germany, Italy, Moldova, Montenegro, Portugal, Romania, Serbia,</p>

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					Slovakia, Slovenia, Switzerland, United Kingdom Oceania: Australia, New Zealand, Papua New Guinea
51.	[s]: <i>Guignardia citricarpa</i> Kiely, 1948; [a]: <i>Phyllosticta citricarpa</i> (McAlpine) Aa, 1973; (Syn. <i>Leptodothiorella</i> sp., <i>Phoma citricarpa</i> McAlpine, 1899, <i>Phyllostictina citricarpa</i> (McAlpine) Petr., 1953); Ascomycota, Pezizomycotina, Dothideomycetes, Botryosphaeriales, Botryosphaeriaceae; citrus black spot, freckle spot of virus, hard spot of citrus, shot-hole of citrus, speckled blotch of citrus, virulent spot of citrus	I	Citrus, <i>Citrus limon</i> (lemon), <i>Citrus reticulata</i> (mandarin), <i>Citrus sinensis</i> (navel orange)	batang (stems (above grounds), trunks, branches), buah (fruits), bunga (flowers, inflorescences, cones, calyx), daun (leaves), polong (pods), tunas (shoots)	Africa: Angola, Ghana, Kenya, Mozambique, Namibia, Nigeria, Tunisia, Uganda, Zambia, Zimbabwe America: Argentina, Brazil, Cuba, USA Asia: Bhutan, China, Hong Kong, India, Philippines, Taiwan Europe: Russian Federation Oceania: Australia
52.	[s]: <i>Guignardia endophyllicola</i> Okane, Nakagiri & Tad. Ito, 2001; (Syn. <i>Guignardia mangiferae</i> A.J. Roy, 1968); [a]: <i>Phyllosticta capitalensis</i> Henn.,	I	Orchidaceae (anggrek, orchids)	bunga (inflorescences), daun (leaves), tangkai	Africa: Mauritius, Niger America: Brazil, Hawaii Asia: Bhutan, Brunei Darussalam, India, Malaysia, Myanmar

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	<p>1908; (Syn. <i>Macrophoma theicola</i> Siemaszko, 1923, <i>Phyllosticta</i> <i>cymbidi</i> Sawada, 1943, <i>Phyllosticta</i> <i>phalenopsidis</i> Marchal &amp; Verpl., Bull. 1927, <i>Phyllosticta</i> <i>phalenopsidis</i> var. <i>vanillae</i> Verpl. &amp; Claess., 1934, <i>Phyllostictina</i> <i>pyriformis</i> E.K. Cash &amp; A.M.J. Watson, 1955); Ascomycota, Pezizomycotina, Dothideomycetes, Botryosphaerales, Phyllostictaceae; leaf spot</p>				Europe: United Kingdom
53.	<p>[s]: <i>Helicobasidium purpureum</i> (Tul.) Pat. (1885), (Syn. <i>Helicobasidium brebissonii</i> (Desm.) Donk, 1958, <i>Helicobasidium brebissonii</i> f. <i>barlae</i> Wojewoda, 1977, <i>Helicobasidium</i> <i>brebissonii</i> f. <i>brebissonii</i> (Desm.) Donk, 1958, <i>Helicobasidium</i> <i>purpureum</i> var. <i>barlae</i> Bres., 1909, <i>Helicobasidium purpureum</i> var. <i>barlae</i> Pat., 1886, <i>Helicobasidium</i></p>	I	<p><i>Araucaria cunninghamii</i>, <i>Beta</i> <i>vulgaris</i> var <i>saccharifera</i> (bit, sugar beetroot), <i>Daucus</i> <i>carota</i> (wortel, carrot), <i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Morus</i> spp. (murbei, mulberry), <i>Solanum tuberosum</i> (kentang, potato)</p>	akar (roots), batang (stems), umbi (tubers)	Africa: Algeria, Ethiopia, Kenya, Malawi, Morocco, South Africa, Tanzania, Tunisia, Uganda, Zambia, Zimbabwe America: Argentina, Barbados, Canada, Colombia, Dominica, Mexico, Trinidad and



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	<p><i>purpureum</i> var. <i>orientale</i> Pat., 1920, <i>Helicobasidium purpureum</i> var. <i>purpureum</i> (Tul.) Pat., 1885; [a]: <i>Tuberculina persicina</i> (Ditmar) Sacc., 1881; (Syn. <i>Cordalia persicina</i> (Ditmar) Gobi, 1885, <i>Corticium sanguineum</i> var. <i>lilacinum</i> Quél., 1888, <i>Helicobasis purpureus</i> (Tul.) Clem. &amp; Shear, 1931, <i>Helminthosporium rhizoctonon</i> Rabenh. (1855), <i>Hypochnus purpureus</i> Tul., 1865, <i>Hypochnus violaceus</i> Erikss. (1912), <i>Protonema brebissonii</i> Desm., 1834, <i>Rhizoctonia allii</i> L. Graves, 1830, <i>Rhizoctonia asparagi</i> Fuckel ex Erikss., 1915, <i>Rhizoctonia asparagi</i> Fuckel, 1870, <i>Rhizoctonia crocorum</i> (Pers.) DC., 1815, <i>Rhizoctonia medicaginis</i> DC., 1815, <i>Rhizoctonia rubiae</i> M. J. Decne., 1837, <i>Rhizoctonia violacea</i> Tul. &amp; C. Tul., 1851, <i>Rhizoctonia violacea</i> f. <i>dauci</i> J. G. Kühn, 1875, <i>Rhizoctonia violacea</i> f. <i>violacea</i> Tul.</p>				<p>Tobago, USA, Uruguay Asia: Bangladesh, China, India, Iran, Japan, Myanmar, Philippines, Turkey, Vietnam Europe: Austria, Belgium, Bosnia and Cyprus, Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Montenegro, Netherlands, North Macedonia, Norway, Poland, Romania, Russian Federation, Scotland, Serbia, Slovakia, Slovenia, Sweden, Ukraine, United Kingdom Oceania: Australia, New Zealand</p>

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	& C. Tul., 1851, <i>Sclerotium crocorum</i> Pers., 1801, <i>Thanatophytum crocorum</i> (Pers.) Nees, 1816, <i>Tuber parasiticum</i> Bull., 1791, <i>Tubercularia persicina</i> Ditmar, 1817, <i>Tuber croci</i> Dubois, (1803); <i>Tuber parasiticum</i> Bull., (1790); Basidiomycota, Pucciniomycotina, Pucciniomycetes, Helicobasidiales, Helicobasidiaceae; violet root rot				
54.	[r]: <i>Hemileia coffeicola</i> Maubl. & Roger, (1934); (Syn. <i>Uredo coffeicola</i> , (1934)); Basidiomycota, Pucciniomycotina, Pucciniomycetes, Pucciniales; Grey rust of coffee, powdery rust of coffee, coffee rust	I	<i>Coffea</i> spp. (kopi, coffee)	daun (leaves)	Africa: Cameroon, Central Africa, DR Congo, Ivory Coast, Nigeria, Sao Tome and Principe, Togo, Uganda
55.	[s]: <i>Laetiporus baudonii</i> (Pat.) Ryvarde, 1991; (Syn. <i>Cladoporus baudonii</i> (Pat.) Teixeira, 1994, <i>Pseudophaeolus</i> <i>baudonii</i> (Pat.) Ryvarde, 1975, <i>Polyporus baudonii</i> Pat., 1914);	I	<i>Manihot esculenta</i> (ubi kayu, cassava)	akar (roots), batang (stems), umbi (tubers)	Africa: Ghana, Kenya, Madagascar, Niger, Nigeria

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	[a]: - Basidiomycota, Agaricomycotina, Agaricomycetes, Polyporales, Fomitopsidaceae; root rot				
56.	[s]: <i>Magnaporthiopsis maydis</i> (Samra, Sabet & Hing.) Klaubauf, Lebrun & Crous, 2014; [a]: <i>Cephalosporium maydis</i> Samra, Sabet & Hing. 1963; (Syn. <i>Harpophora maydis</i> (Samra, Sabet & Hing.) W. Gams 2000); Ascomycota, Sordariomycetes, Magnaporthales, Magnaporthaceae; late wilt of maize	I	<i>Lupinus albus</i> var. <i>albus</i> , <i>Zea mays</i> (jagung, corn, maize)	akar (roots), batang (stems (above ground), trunks, branches), bibit (seedlings), biji (true seeds, grains), bunga (flowers, inflorescences, cones, calyx), tanaman hasil mikropropagasi (micropropagate d plants), tunas (shoots)	Africa: Egypt, Kenya Asia: India Europe: Hungary
57.	[s]: - [a]: <i>Paraconiothyrium fuckelii</i> (Sacc.) Verkley & Gruyter, 2012; Syn. <i>Clisosporium fuckelii</i> (Sacc.)	I	<i>Fragaria</i> , <i>Bambusa</i> , <i>Juniperus</i> , <i>Malus domestica</i> (apel, apple), <i>Pinus</i> <i>sylvestris</i> , buah batu (stone	batang (stems), media tanam (growing media associated with	Africa: Egypt, Ethiopia, Kenya, Libya, Malawi, Mauritius, Morocco, Namibia, Nigeria,

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	<p>Kuntze, 1898, <i>Coniothyrium fuckelii</i> Sacc., 1878, <i>Coniothyrium fuckelii</i> f. <i>ampelospidis-hederaceae</i> Sacc., 1878, <i>Coniothyrium fuckelii</i> var. <i>cecidophilum</i> C. Massal., 1914, <i>Coniothyrium fuckelii</i> f. <i>corrigiolae</i> Gonz. Frag., 1924, <i>Coniothyrium fuckelii</i> var. <i>distcha</i> Sacc., 1925, <i>Coniothyrium fuckelii</i> f. <i>fuckelii</i> Sacc., 1878, <i>Coniothyrium fuckelii</i> var. <i>fuckelii</i> Sacc., 1878, <i>Coniothyrium fuckelii</i> f. <i>pinastri</i> Gonz. Frag., 1917, <i>Coniothyrium fuckelii</i> f. <i>pinastri</i> Gonz. Frag., 1925, <i>Coniothyrium fuckelii</i> var. <i>ribis-aurei</i> Gonz. Frag., 1917, <i>Coniothyrium fuckelii</i> f. <i>robiniae-pseudoacaciae</i> Sacc., 1878, <i>Coniothyrium fuckelii</i> f. <i>rosarum</i> Sacc., 1878, <i>Coniothyrium fuckelii</i> f. <i>thesii</i> Unamuno, 1934, <i>Coniothyrium fuckelii</i> f. <i>ziziphi</i> Sacc., Sacc., 1913, <i>Diapleella coniothyrium</i> (Fuckel) M. E. Barr, 1986, <i>Kalmusia coniothyrium</i></p>		<p>fruit), <i>Ribes</i>, <i>Rubus</i> spp., <i>Rosa</i> spp. (mawar, rose), <i>Taxus</i>, <i>Thuja</i>, <i>Vaccinium</i></p>	<p>plants), tanaman (whole plant)</p>	<p>Sierra Leone, Sudan, Tanzania, Uganda, South Africa, Zambia, Zimbabwe America: Argentina, Bolivia, Brazil, Colombia, Cuba, Canada, Ecuador, Honduras, Puerto Rico, USA, Venezuela Asia: Bangladesh, Brunei Darussalam, China, Hong Kong, India, Israel, Iran, Iraq, Japan, Kuwait, Malaysia, Myanmar, Nepal, Pakistan, Saudi Arabia, Singapore, Sri Lanka, Thailand, Turkey, Turkmenistan, Vietnam Europe: Austria, Belgium, Bulgaria, Croatia, Cyprus,</p>

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	<p>(Fuckel) Huhndrof, 1992, <i>Leptosphaeria berberidis</i> Richon, 1889, <i>Leptosphaeria coniothyrium</i> (Fuckel) Sacc., 1875, <i>Leptosphaeria coniothyrium</i> f. <i>berberidis</i> (Richon) Cif., 1922, <i>Leptosphaeria coniothyrium</i> var. <i>coniothyrium</i> (Fuckel) Sacc., 1875, <i>Leptosphaeria coniothyrium</i> f. <i>coniothyrium</i> (Fuckel) Sacc., 1875, <i>Leptosphaeria coniothyrium</i> var. <i>foliicola</i> Woron., 1913, <i>Melanomma coniothyrium</i> (Fuckel) L. Holm, 1957, <i>Microsphaeropsis fuckelii</i> (Sacc.) Boerema, 2003, <i>Septoria sarmenti</i> Sacc., 1883); Ascomycota, Pezizomycotina, Dothideomycetes, Pleosporales, Montagnulaceae; cane blight, rose blight, apple canker, pine needle blight, rose stem canker</p>				<p>Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Montenegro, Netherlands, North Macedonia, Poland, Portugal, Russian Federation, Serbia, Slovakia, Slovenia, United Kingdom Oceania: Australia, Fiji, New Zealand, Papua New Guinea, Tonga</p>
58.	<p>[s]: <i>Marasmiellus cocophilus</i> Pegler, 1969; [a]: - Basidiomycota, Agaricomycotina,</p>	I	<p><i>Cocos nucifera</i> (kelapa, coconut), <i>Cynodon dactylon</i> (rumput Bermuda, Bermuda grass),</p>	<p>batang (stems), buah (fruits), daun (leaves), media tanam</p>	<p>Africa: Kenya, Tanzania Oceania: Solomon Islands</p>

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	Agaricomycetes, Agaricales, Omphalotaceae; basal stem break, lethal bole rot of coconut		<i>Echinochloa colona</i> (rumput bebek, jungle rice), <i>Eleusine indica</i> (rumput belulang, goose grass)	(growing media associated with plants)	
59.	[s]: <i>Marasmiellus inoderma</i> (Berk.) Singer, 1955; (Syn. <i>Chamaeceras inodermus</i> (Berk.) Kuntze, 1898, <i>Marasmius inoderma</i> Berk., 1851); [a]: - Basidiomycota, Agaricomycotina, Agaricomycetes, Agaricales, Omphalotaceae; crown rot of rice, pre-emergence shoot rot, root rot of maize, sheath rot of maize	I	<i>Cocos nucifera</i> (kelapa, coconut), <i>Colocasia esculenta</i> (talas, taro), <i>Musa spp.</i> (pisang, banana), Orchidaceae (anggrek, orchids), <i>Oryza sativa</i> (padi, paddy, rice), <i>Zea mays</i> (jagung, corn, maize)	akar (roots), batang (stems), daun (leaves), media tanam (growing media associated with plants)	Africa: Egypt Asia: Singapore Oceania: Samoa, Samoa America
60.	[s]: <i>Microbotryum antherarum</i> (DC.) Lév., 1847; (Syn. <i>Microbotryum violaceum</i> (Pers.) G. Deml & Oberw., 1982, <i>Uredo antherarum</i> DC., 1815, <i>Uredo antherarum</i> var. <i>antherarum</i> DC., 1815, <i>Uredo violacea</i> Pers., 1797, <i>Ustilago antherarum</i> (DC.) Fr., 1832, <i>Ustilago silenes-nutant</i>	I	Caryophyllaceae, <i>Cerastium</i> , <i>Dianthus</i> , <i>Silene pratensis</i>	biji (true seeds), bunga (inflorescences), daun (leaves), tangkai malai	America: Canada, Mexico, USA Europe: Austria, Bulgaria, Czech Republic, Finland, France, Germany, Hungary, Italy, Latvia, Norway, Poland, Romania, Spain,

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	<p>(DC.) Liro, 1924, <i>Ustilago violacea</i> (Pers.) Roussel, 1806, <i>Ustilago violacea</i> f. <i>violacea</i> (Pers.) Roussel, 1806, <i>Ustilago violacea</i> var. <i>silenenutantis</i> (DC.) Durrieu &amp; Zambett., 1973, <i>Ustilago violacea</i> var. <i>violacea</i> (Pers.) Roussel, 1806);                      [a]: <i>Caeoma antherarum</i> (DC.) Nees, 1816;                      (Syn. <i>Caeoma violaceum</i> (Pers.) Nees, 1816, <i>Erysibe antherarum</i> (DC.) Wallr., 1833);                      Basidiomycota, Microbotryomycetes,, Microbotryales, Microbotryaceae; Caryophyllaceae anther smut</p>				Sweden, Switzerland, Ukraine, United Kingdom
61.	<p>[s]: <i>Microcyclus ulei</i> (Henn.) Arx,(1962); (Syn. <i>Dothidella ulei</i> Henn., 1904, <i>Melanopsammopsis ulei</i> (Henn.) Stahel (1917);                      [a]: <i>Pseudocercospora ulei</i> (Henn.) Hora Junior &amp; Mizubuti, 2013; (Syn. <i>Aposphaeria ulei</i> Henn, 1904, <i>Fusicladium heveae</i> K. Schub. &amp; U. Braun, 2003, <i>Fusicladium macrosporum</i> J. Kuijper, 1911,</p>	I	<i>Hevea brasiliensis</i> (karet, rubber tree)	batang muda, buah (fruits), daun (leaves), tanaman (whole plant), media pembawa lain, benda lain	America: Belize, Bolivia, Brazil, Colombia, Costa Rica, Ecuador, El Salvador, France Guyana, Guatemala, Guyana, Haiti, Honduras, Mexico, Nicaragua, Panama, Peru, Suriname, Trinidad

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	<p><i>Passalora heveae</i> Massee 1913, <i>Scolicotrichum heveae</i> (Massee) Griffon &amp; Maubl., 1961); Ascomycota, Pezizomycotina, Dothideomycetes, Mycosphaerellales, Mycosphaerellaceae; South American leaf blight of rubber</p>				and Tobago, Venezuela
62.	<p>[s]: <i>Micronectriella nivalis</i> (Schaffnit) C. Booth, 1971; (Syn. <i>Monographella divergens</i> (Rehm) Petr., 1924, <i>Monographella nivalis</i> (Schaffnit) E. Müll., 1977, <i>Monographella nivalis</i> var. <i>neglecta</i> (Krampe) Gerlach, 1980, <i>Monographella nivalis</i> var. <i>nivalis</i> (Schaffnit) E. Müll., 1977, <i>Nectria graminicola</i> Krieg., 1899, <i>Nectria pseudograminicola</i> Weese, 1910, <i>Sphaerulina divergens</i> Rehm, 1913); [a]: <i>Hydropisphaera arenula</i> (Berk. &amp; Broome) Rossman &amp; Samuels, 1999; (Syn. <i>Calonectria graminicola</i> F. Stevens, 1918, <i>Calonectria</i></p>	I	<p><i>Agrostis canina</i> (velvet bentgrass), <i>Agrostis capillaris</i> (common bent), <i>Agrostis stolonifera</i> (creeping bentgrass), <i>Avena sativa</i> (oat, oats), <i>Bromus</i> (brome-grasses), <i>Festuca rubra</i> (red fescue), <i>Hordeum vulgare</i> (barley), <i>Lolium</i> (ryegrasses), <i>Lolium multiflorum</i> (Italian ryegrass), <i>Lolium perenne</i> (perennial ryegrass), <i>Oryza sativa</i> (padi, paddy, rice), <i>Poa annua</i> (annual meadowgrass), <i>Poa pratensis</i> (smooth meadow-grass), Poaceae (grasses),</p>	akar (roots), batang (stems), biji (true seeds), bunga (inflorescences), daun (leaves)	<p>Africa: Egypt, Ethiopia, Senegal, Tunisia, Zambia America: Argentina, Bolivia, Brazil, Canada, Mexico, USA Asia: Bahrain, China, , Iran, Kazakhstan, Kyrgystan, Japan, Pakistan, Syria, Tajikistan, Turkey, Turkmenistan, Uzbekistan Europe: Armenia, Azerbaijan, Austria, Belarus, Belgium, Bosnia and Herzegovina, Croatia,</p>



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	<p><i>graminicola</i> var. <i>neglecta</i> Krampe, 1926, <i>Calonectria nivalis</i> Schaffnit, 1913, <i>Calonectria nivalis</i> f. <i>nivalis</i> Schaffnit, 1913, <i>Fusarium nivale</i> (Fr.) Sorauer, 1901, <i>Fusarium nivale</i> Ces. ex Berl. &amp; Voglino, 1886, <i>Fusarium nivale</i> f. <i>nivale</i> Ces. ex Berl. &amp; Voglino, 1886, <i>Fusarium nivale</i> var. <i>nivale</i> Ces. ex Berl. &amp; Voglino, 1886, <i>Fusarium nivale</i> var. <i>oryzae</i> Zambett., 1950, <i>Gerlachia nivalis</i> var. <i>nivalis</i> (Ces. ex Berl. &amp; Voglino) W. Gams &amp; E. Müll., 1980, <i>Gerlachia nivalis</i> var. <i>nivalis</i> (Ces. ex Berl. &amp; Voglino) W. Gams &amp; E. Müll., 1980, <i>Griphosphaeria nivalis</i> (Schaffnit) E. Müll. &amp; Arx, 1955, <i>Lanosa nivalis</i> Fr., 1849, <i>Melioliphila graminicola</i> Speg., 1921, <i>Microdochium nivale</i> var. <i>nivale</i> (Fr.) Samuels &amp; I. C. Hallett, 1983); Ascomycota, Pezizomycotina, Sordariomycetes, Hypocreales, Bionectriaceae;</p>		<i>Secale cereale</i> (rye), <i>Triticum aestivum</i> (gandum, wheat), turfgrasses		Czech Republic, Denmark, Estonia, Finland, France, Georgia, Germany, Iceland, Ireland, Italy, Latvia, Lithuania, Moldova, Montenegro, Netherlands, North Macedonia, Norway, Poland, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand

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	foot rot of cereals, snow blight of cereals, head blight of cereals, pink snow mould of cereals, seedling blight of cereals, snow mould of cereals, Fusarium patch of turf, Microdochium patch of turf, pink snow mould of turf				
63.	[s]: <i>Monilinia fructicola</i> (G. Winter) Honey, 1928; (Syn. <i>Ciboria fructicola</i> G. Winter, 1883, <i>Sclerotinia americana</i> (Wormald) Norton & Ezekiel, 1924, <i>Sclerotinia cinerea</i> sensu auct. NZ, <i>Sclerotinia cinerea</i> f. <i>americana</i> Wormald, 1919, <i>Sclerotinia fructicola</i> (G. Winter) Rehm, 1906, <i>Sclerotinia fructigena</i> sensu auct. NZ); [a]: <i>Monilia fructicola</i> L.R. Batra, 1991; Ascomycota, Leiotiomycetes, Helotiales, Sclerotiniaceae; Brown rot, American brown rot of stone fruit, brown rot of apple, brown rot of cherry, twig canker of stone fruit	I	<i>Carica papaya</i> (papaya, papaya), <i>Malus domestica</i> (apel, apple), <i>Prunus armeniaca</i> (apricot), <i>Prunus avium</i> (ceri manis, sweet cherry), <i>Prunus domestica</i> (prem, plum), <i>Prunus persica</i> (peach), <i>Prunus salicina</i> (Japanese plum), <i>Prunus cerasus</i> (kersen, sour cherry), <i>Prunus dulcis</i> (almon, badam, almond), <i>Rubus fruticosus</i> (blackberry)	buah (fruits), bunga (flowers, inflorescences, cones, calyx), daun (leaves), media tanam (growing media associated with plants), polong (pods), tangkai buah	Africa: Egypt, Nigeria, South Africa, Tunisia, Zimbabwe Asia: China, India, Israel, Japan, Kazakhstan, Republic of Korea (South Korea), Taiwan, Turkey, Uzbekistan, Yemen America: Argentina, Bolivia, Brazil, Canada, Chile, Ecuador, Mexico, Guatemala, Panama, Paraguay, Peru, USA, Uruguay, Venezuela Europe: Albania, Austria, Azerbaijan, Belgium, Bulgaria,

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					Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Hungary, Italy, Jersey, Latvia, Malta, Netherland, North Macedonia, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Caledonia, New Zealand
64.	[s]: <i>Monilinia fructigena</i> Honey, 1945; [a]: <i>Acrosporium fructigenum</i> (Pers.) Pers., 1822; (Syn. <i>Monilia fructigena</i> (Pers.) Pers., 1801, <i>Monilia fructigena</i> var. <i>fructigena</i> (Pers.) Pers., 1801, <i>Oidium fructigenum</i> (Pers.) Fr., 1832, <i>Oidium fructigenum</i> var.	I	<i>Actinidia arguta</i> (tara vine), <i>Amelanchier canadensis</i> (thicket serviceberry), <i>Berberis</i> (barberries), <i>Capsicum</i> (peppers), <i>Cornus mas</i> (cornelian cherry), <i>Corylus avellana</i> (hazel), <i>Cotoneaster</i> , <i>Crataegus</i>	batang (stems, above ground, trunks, branches), buah (fruits), bunga (flowers, inflorescences, cones, calyx),	Africa: Egypt, Morocco Asia: Afganistan, China, DPR Korea (North Korea), Georgia, India, Iran, Israel, Japan, Kazakhstan, Lebanon, Nepal, Republic of Korea

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	<p><i>foliorum</i> Westend., 1861, <i>Oidium fructigenum</i> var. <i>fructigenum</i> (Pers.) Fr., 1832, <i>Sclerotinia fructigena</i> (Pers.) J. Schröt., 1839, <i>Stromatinia fructigena</i> (Pers.) Bpud., 1907, <i>Torula fructigena</i> Pers., 1795); Ascomycota, Pezizomycotina, Leotiomyces, Helotiales, Sclerotiniaceae; brown rot</p>		<p><i>laevigata</i>, <i>Cydonia oblonga</i> (quince), <i>Diospyros kaki</i> (kesemek, persimmon), <i>Eriobotrya japonica</i> (loquat), <i>Ficus carica</i> (fig), <i>Fragaria</i>, <i>Malus domestica</i> (apel, apple), <i>Malus sieversii</i>, <i>Malus sylvestris</i> (crab-apple tree), <i>Mespilus germanica</i> (medlar), <i>Prunus</i> (stone fruit), <i>Prunus armeniaca</i> (apricot), <i>Prunus avium</i> (ceri manis, sweet cherry), <i>Prunus cerasifera</i> (myrobalan plum), <i>Prunus cerasus</i> (kersen, sour cherry), <i>Prunus domestica</i> (prem, plum), <i>Prunus dulcis</i> (almon, badam, almond), <i>Prunus mandshurica</i>, <i>Prunus persica</i> (peach), <i>Prunus persica</i> var. <i>nucipersica</i> (nectarine), <i>Prunus salicina</i> (Japanese plum), <i>Prunus spinosa</i></p>	<p>daun (leaves), polong (pods), tunas (shoots)</p>	<p>(South Korea), Taiwan, Turkey, Uzbekistan Africa: Egypt, Morocco America: Brazil, Chile, Uruguay, USA Europe: Armenia, Austria, Azerbaijan, Belarus, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxemburg, Moldova, Montenegro, Netherlands, Norway, Poland, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			(blackthorn), <i>Prunus triloba</i> (rose tree of China), <i>Psidium guajava</i> (guava), <i>Pyrus</i> (pear), <i>Pyrus betulaefolia</i> , <i>Pyrus communis</i> (pir, pear), <i>Pyrus pyrifolia</i> (Oriental pear tree), <i>Pyrus ussuriensis</i> (amur pear), <i>Rhododendron</i> (azalea), <i>Rosa</i> sp., (mawar, roses), <i>Rubus</i> (blackberry, raspberry), <i>Rubus occidentalis</i> (black raspberry), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Sorbus</i> (rowan), <i>Sorbus acuparia</i> , <i>Vaccinium</i> (blueberries), <i>Vitis vinifera</i> (anggur, grapevine)		
65.	[s]: <i>Monilinia laxa</i> (Aderh. & Ruhland) Honey, 1945; (Syn. <i>Sclerotinia cinerea</i> (Bonord.) J. Schröt., 1839, <i>Sclerotinia cinerea</i> Wormald, 1919, <i>Sclerotinia cinerea</i> f. <i>cinerea</i> Wormald, 1839, <i>Sclerotinia cinerea</i> f. <i>mali</i> Wormald,	I	<i>Cydonia oblonga</i> (quince), <i>Malus domestica</i> (apel, apple), <i>Malus sieversii</i> , <i>Prunus armeniaca</i> (apricot), <i>Prunus avium</i> (ceri manis, sweet cherry), <i>Prunus cerasifera</i> (myrobalan	batang (stems (above ground), trunks, branches), buah (fruits), bunga (flowers, inflorescences,	Africa: Morocco, South Africa America: Argentina, Brazil, Canada, Chile, Guatemala, Uruguay, USA Asia: Afghanistan,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	<p>1919, <i>Sclerotinia cinerea</i> f. <i>pruni</i> Wormald, 1919, <i>Sclerotinia laxa</i> Aderh. &amp; Ruhland, 1905, <i>Sclerotinia laxa</i> Ehrenb., <i>Sclerotinia laxa</i> f. <i>laxa</i> Aderh. &amp; Ruhland, 1905, <i>Stromatinia laxa</i> (Ehrenb.) Naumov, 1964);  [a]: <i>Monilia laxa</i> (Ehrenb.) Sacc. &amp; Voglino, 1886;  (Syn. <i>Acrosporium laxum</i> (Ehrenb.) Pers., 1822, <i>Monilia cinerea</i> Bonord., 1851, <i>Oidium laxum</i> Ehrenb., 1818, <i>Oospora cinerea</i> (Bonord.) sacc. &amp; Voglino, 1886, <i>Oospora laxa</i> (Ehrenb.) wallr., 1833, <i>Torula cinerea</i> (Bonord.) Bonord., 1853, <i>Torula laxa</i> (Ehrenb.) Rabenh., 1844);  Ascomycota, Pezizomycotina, Leotiomycetes, Helotiales, Sclerotiniaceae;  blossom blight, mummifying fruit, blossom wilt, brown rot of stone fruits, spur blight, twig canker, wither tip</p>		<p>plum), <i>Prunus cerasus</i> (kersen, sour cherry), <i>Prunus domestica</i> (prel, plum), <i>Prunus dulcis</i> (almon, badam, almond), <i>Prunus persica</i> (peach), <i>Prunus pseudocerasus</i> (chinese fruiting cherry), <i>Prunus serrulata</i> (Japanese flowering cherry), <i>Prunus triloba</i> (Rose tree of China), <i>Pyrus communis</i> (pir, pear)</p>	<p>cones, calix), daun (leaves), polong (pods), tunas (shoots)</p>	<p>Bhutan, China, Georgia, India, Iraq, Israel, Japan, Lebanon, Tajikistan, Turkey, Turkmenistan, Uzbekistan  Europe: Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Latvia, Lithuania, Greece, Hungary, Ireland, Italy, Moldova, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia,</p>

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
					Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand
66.	[s]: <i>Moniliophthora perniciosa</i> (Stahel) Aime & Phillips-Mora (2006); (Syn. <i>Crinipellis perniciosa</i> (Stahel) (Singer), 1943, <i>Crinipellis perniciosa</i> var. <i>citriniceps</i> Pegler, 1978, <i>Crinipellis perniciosa</i> var. <i>ecuadorensis</i> (Stahel) Pegler, 1978, <i>Crinipellis perniciosa</i> var. <i>perniciosa</i> (Stahel) Singer, 1943, <i>Marasmius perniciosus</i> Stahel, 1915, <i>Marasmius perniciosus</i> var. <i>ecuadorensis</i> Stahel, 1915, <i>Marasmius perniciosus</i> var. <i>pernicius</i> Stahel, 1915); [a]: - Basidiomycota, Agaricomycetes, Agaricales, Marasmiaceae; witches' broom disease of cacao	I	<i>Bixa orellana</i> (kesumba, achiote), <i>Theobroma cacao</i> (kakao, cocoa)	tanaman (whole plant)	America: Belize, Bolivia, Brazil, Colombia, Dominica, Ecuador, Grenada, Guyana, Panama, Peru, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, Venezuela Asia: Malaysia
67.	[s]: <i>Moniliophthora roreri</i> (Cif.) H.C. Evans, Staplers, Samson & Benny,	I	<i>Theobroma cacao</i> (kakao, cocoa)	batang (above ground, trunks,	America: Belize, Bolivia, Brazil,

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	<p>1978; (Syn. <i>Crinipellis roreri</i> (Cif.) H. C. Evans, 2002, <i>Crinipellis roreri</i> var. <i>gileri</i> H. C. Evans &amp; K. A. Holmes, 2003, <i>Crinipellis roreri</i> var. <i>roreri</i> (Cif.) H. C. Evans, 2002, <i>Moniliophthora roreri</i> var. <i>gileri</i> H. C. Evans, 2013, <i>Moniliophthora roreri</i> var. <i>roreri</i> var. (Cif.) H. C. Evans, Stalpers, Samson &amp; Beny, 1978); [a]: <i>Monilia roreri</i> Cif., 1933; Basidiomycota, Agaricomycetes, Agaricales, Marasmiaceae; frosty pod rot, monilia pod rot, pod rot of cocoa, quevedo disease, watery pod rot of cocoa</p>			<p>branches), biji (true seeds), buah (fruits), polong (pods), tunas (shoots)</p>	<p>Colombia, Costa Rica, Ecuador, Guatemala, Honduras, Jamaica, Mexico, Nicaragua, Panama, Peru, Trinidad and Tobago, Venezuela</p>
68.	<p>[s]: - [a]: <i>Monilochaetes infuscans</i> Harter, 1916; (Syn. <i>Dischloridium cylindropermum</i> S.K. Srivast. (1987); Ascomycota, Sordariomycetes, Chaetosphaeriales, Australiascaceae;</p>	I	<i>Ipomoea batatas</i> (ubi jalar, sweet potato)	<p>batang (stems), umbi (tubers), media tanam (growing media associated with plants)</p>	<p>Africa: Sierra Leone, South Africa, Zimbabwe America: Argentina, Brazil, USA Asia: China, DPR Korea (North Korea), Israel, Japan, Republic</p>



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	scurf of sweet potato, manure stain, soils stain				of Korea (South Korea), Sri Lanka, Taiwan Europe: Italy, Portugal Oceania: Australia, Cook Islands, Federated States of Micronesia, New Zealand, Northern Mariana Island, Palau, Papua New Guinea, Vanuatu
69.	[s]: <i>Mycena citricolor</i> (Berk. & M.A. Curtis) Sacc., 1887; (Syn. <i>Agaricus citricolor</i> Berk. & M.A. Curtis, 1869, <i>Agaricus citricolor</i> Berk. & M. A. Curtis, 1868, <i>Mycena flavida</i> (Maubl. & Rangel) Singer, 1952, <i>Mycena flavida</i> (Maubl. & Rangel) Singer, 1952, <i>Mycena tricolor</i> Velen., 1920, <i>Omphalia citricolor</i> (Berk. & M. A. Curtis) Rick, 1938, <i>Omphalia flavida</i> Maubl. & Rangel, 1914, <i>Omphalia flavida</i> var. <i>flavida</i> Maubl. & Rangel, 1914,	I	<i>Citrus</i> , <i>Cinchona officinalis</i> (kina, quinine tree), <i>Coffea</i> spp. (kopi, coffee), <i>Theobroma cacao</i> (kakao, cocoa)	batang (stems), bibit (seedlings), buah (fruits), daun (leaves), tanaman hasil mikropropagasi (micropropagate d plants)	America: Bolivia, Brazil, Colombia, Costa Rica, Cuba, Dominica, Ecuador, El Salvador, Guyana France, Guadeloupe, Guatemala, Guyana, Haiti, Honduras, Jamaica, Martinique, Mexico, Nicaragua, Panama, Peru, Puerto Rico, Suriname, Trinidad and Tobago, USA, Venezuela

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	<p><i>Omphalopsis citricolor</i> (Berk. &amp; M. A. Curtis) Murrill, 1916); [a]: <i>Decapitatus flavidus</i> (Cooke) Redhead &amp; Seifert, 2000; (Syn. <i>Botryonipha flavidum</i> (Cooke) Kuntze, 1891, <i>Pistillaria flavida</i> (Cooke) Speg., 1896, <i>Stilbella flavidum</i> (Cooke) Henn., 1904, <i>Stilbum flavidum</i> Cooke, 1880); Ascomycota, Pezizomycotina, Agariconycetes, Agaricales, Mycenaceae; American leaf spot of coffee, American: coffee leaf spot, cock's eye spot, iron spot of coffee</p>				
70.	<p>[s]: <i>Mycosphaerella aleuritis</i> S.H. Ou, 1940; (Syn. <i>Mycosphaerella aleuritidis</i> (I. Miyake) S.H. Ou, 1940, <i>Mycosphaerella aleuritis</i> Gutner, 1966, <i>Mycosphaerella aleuritiicola</i> Khokhr., 1951); [a]: <i>Pseudocercospora aleuritis</i> (I. Miyake) Deighton, 1976; (Syn. <i>Cercosporina aleuritidis</i> (I.</p>	I	<i>Aleurites moluccana</i> (kemiri, candle-nut)	daun (leaves)	Asia: China Oceania: Cook Islands, New Zealand, Tonga

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	<p>Miyake) Sacc. 1931, <i>Cercospora aleuritidis</i> I. Miyake (1912), <i>Cecosporina aleuritis</i> (I. Miyake) Sacc., 1931, <i>Cercospora aleuritis</i> I. Miyake, 1912); Ascomycota, Pezizomycotina, Dothideomycetes, Mycosphaerellales, Mycosphaerellaceae; angular leaf spot</p>				
71.	<p>[s]: <i>Neonectria ditissima</i> (Tul. &amp; C. Tul.) Samuels &amp; Rossmann, 2006; (Syn. <i>Cucurbitaria ditissima</i> (Tul. &amp; C. Tul.) Kuntze, 1898, <i>Nectria ditissima</i> Tul. &amp; C. Tul., 1865, <i>Nectria ditissima</i> var. <i>ditissima</i> Tul. C. Tul., 1865); [a]: <i>Cylindrocarpon heteronemum</i> (Berk. &amp; Broome) Wollenw., 1928; (Syn. <i>Cylindrocarpon willkommii</i> (Lindau) Wollenw., 1928, <i>Cylindrocarpon willkommii</i> var. <i>minus</i> Wollenw., 1928, <i>Cylindrocarpon willkommii</i> var. <i>pluriseptatum</i> Wollenw., 1928, <i>Cylindrocarpon willkommii</i> (Lindau)</p>	I	<p><i>Albizia lebbek</i>, <i>Acer circinatum</i>, <i>Acer macrophyllum</i> (broadleaf maple), <i>Acer pensylvanicum</i> (striped maple), <i>Acer pseudoplatanus</i>, <i>Acer rubrum</i> (red maple), <i>Acer saccharum</i> (sugar maple), <i>Acer spicatum</i> (Mountain maple), <i>Aesculus hippocastanum</i>, <i>Ainus glutinosa</i>, <i>Alnus incana</i> (grey alder), <i>Betula alleghaniensis</i> (yellow birch), <i>Betula lenta</i> (sweet birch), <i>Betula nigra</i> (river</p>	batang (stems), buah (fruits), polong (pods)	<p>Africa: Canary Island, South Africa, Madagascar America: Argentina, Canada, Chile, Mexico, USA, Uruguay Asia: Afganistan, India, Iran, Iraq, Japan, Lebanon, Republic of Korea (South Korea), Saudi Arabia, Syria, Taiwan Europe: Austria, Belgium, Bulgaria, Czech Republic, Denmark, England,</p>

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	<p>Wollenw., 1928, <i>Cylindrocarpon willkommii</i> var. <i>minus</i> Wollenw., 1928, <i>Cylindrocarpon willkommii</i> var. <i>pluriseptatum</i> Wollenw., 1928, <i>Cylindrocarpon willkommii</i> var. <i>willkommii</i> (Lindau) Wollenw., 1928, <i>Nectria ditissima</i> var. <i>arctica</i> Wollenw., 1926, <i>Fusarium willkommii</i> J. Lindau., 1909, <i>Fusarium willkommii</i> Lindau, 1909); Ascomycota, Pezizomycotina, Sordariomycetes, Hypocreales, Nectriaceae; Hardwoods perennial canker, nectria cancer</p>		<p>birch), <i>Betula papyrifera</i> (paper birch), <i>Betula pendula</i> (common silver birch), <i>Betula populifolia</i> (gray birch), <i>Betula pubescens</i>, <i>Carpinus betulus</i> (hornbeam), <i>Carya cordiformis</i> (bitternut hickory), <i>Carya glabra</i> (Pignut hickory), <i>Carya illinoensis</i> (pecan), <i>Carya ovata</i> (shagbark hickory), <i>Carya tomentosa</i>, <i>Cornus nuttallii</i> (Pacific dogwood), <i>Corylus avellana</i> (hazel), <i>Fagus grandifolia</i> (American beech), <i>Fagus sylvatica</i> (common beech), <i>Fagus sylvatica</i>, <i>Frangula alnus</i> (alder buckthorn), <i>Fraxinus excelsior</i> (ash), <i>Fraxinus nigra</i> (black ash), <i>Juglans cinerea</i> (butternut), <i>Juglans nigra</i> (black walnut), <i>Juglans</i> sp., <i>Malus</i></p>		<p>Estonia, Faroe Island, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Lithuania, Macedonia, Netherland, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania : New Zealand</p>

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			<p><i>domestica</i> (appel, apple),  <i>Nyssa sylvatica</i> (tupelo),  <i>Platanus orientalis</i>, <i>Populus grandidentata</i> (Bigtooth aspen), <i>Populus tremuloides</i> (trembling aspen), <i>Pupulus</i> spp., <i>Prunus serotina</i> (black cherry), <i>Pyrus communis</i> (pir, pear), <i>Pyrus pyrifolia</i> (Oriental pear tree), <i>Quercus alba</i> (white oak), <i>Quercus bicolor</i> (swamp white oak), <i>Quercus coccinea</i> (scarlet oak), <i>Quercus garryana</i> (Garry oak), <i>Quercus laurifolia</i> (Laurel oak), <i>Quercus rubra</i> (northern red oak), <i>Quercus robus</i>, <i>Quercus velutina</i> (black oak), <i>Rhus typhina</i> (staghorn sumac), <i>Rosa</i> sp. (mawar, rose), <i>Salix alba</i>, <i>Salix amygdaloides</i> (peachleaf willow), <i>Sorbus aucuparia</i> (mountain ash),</p>		

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			<i>S. vitallina</i> , <i>Tillia spp</i> , <i>Tilia americana</i> (basswood), <i>Ulmus americana</i> (American elm), <i>Ulmus glabra</i>		
72.	[s]: - [a]: <i>Nothophoma gossypiicola</i> (Gruyter) Q. Chen & L. Cai., 2015); (Syn. <i>Ascochyta gossypii</i> Woron., 1915, <i>Phoma gossypiicola</i> Gruyter, 2002); Ascomycota, Pezizomycotina, Dothideomycetes, Pleosporales, Didymellaceae; ascochyta blight of cotton, ascochyta leaf spot, ascochyta seedling blight, ashen spot, wet weather blight of cotton.	I	<i>Abelmoschus moschatus</i> (okra, lady's finger), <i>Capsicum annuum</i> (cabai, hot pepper, chilies, red pepper), <i>Glycine max</i> (kedelai, soyabean), <i>Gossypium barbadens</i> (kapas, cotton), <i>Hibiscus spp.</i> , <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Solanum melongena</i> (terung, eggplant, aubergine), <i>Vigna unguiculata</i> , <i>Vigna spp.</i> (buncis, cowpea)	batang (stems), biji (true seeds), buah (fruits), daun (leaves)	Africa: Benin, DR Congo, Ethiopia, Kenya, Mauritius, Nigeria, South Africa, Sudan, Tanzania, Uganda, Zambia, Zimbabwe America: Argentina, Brazil, Chile, Colombia, Guatemala, Jamaica, Mexico, Panama, Puerto Rico, USA, Venezuela Asia: Armenia, Azerbaijan, China, Georgia, India, Japan, Korea, Laos, Malaysia, Philippines, Taiwan Europe: Greece Oceania: Australia, Papua New Guinea

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
73.	[c]: <i>Pachymetra chaunorhiza</i> B.J. Croft & M.W. Dick (1989); Chromista, Oomycota, Oomycetes, Sclerosporales, Verrucalvaceae; Pachymetra root rot	I	<i>Saccharum officinarum</i> (tebu, sugarcane), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Zea mays</i> (jagung, corn, maize)	akar (roots), media tanam (growing media associated with plants)	Oceania: Australia
74.	[s]: - [a]: <i>Penicillium expansum</i> Link, 1809; (Syn. <i>Penicillium crustaceum</i> Link, 1809, <i>Penicillium crustaceum</i> var. <i>crustaceum</i> Link, 1809, <i>Penicillium expansum</i> var. <i>expansum</i> Link, 1809, <i>Penicillium glaucum</i> Stoll, <i>Penicillium glaucum</i> var. <i>coremium</i> Sacc., 1886, <i>Penicillium glaucum</i> var. <i>expansum</i> Pers., 1822, <i>Penicillium glaucum</i> var. <i>fasciculatum</i> Pers., 1822, <i>Penicillium glaucum</i> var. <i>foetidum</i> Sopp, 1912, <i>Penicillium glaucum</i> var. <i>glaucum</i> Link, 1805, <i>Penicillium glaucum</i> var. <i>inodorum</i> Sopp, 1912, <i>Penicillium glaucum</i> var. <i>minor</i> Malchevsk., 1939, <i>Penicillium glaucum</i> var. <i>pallidum</i> Sopp, 1912);	I	<i>Allium cepa</i> (onion), <i>Allium sativum</i> (bawang putih, garlic), <i>Beta vulgaris</i> var. <i>saccharifera</i> (bit, sugar beet), <i>Brassica oleracea</i> var. <i>gemmifera</i> (Brussels sprouts), <i>Cydonia oblonga</i> (quince), <i>Fragaria ananassa</i> (strawberry), <i>Gossypium hirsutum</i> (Bourbon cotton), <i>Hordeum vulgare</i> (barley), <i>Lilium</i> (lily), <i>Malus domestica</i> (apel, apple), <i>Phoenix dactylifera</i> (date-palm), <i>Prunus armeniaca</i> (apricot), <i>Prunus avium</i> (ceri manis, sweet cherry), <i>Prunus domestica</i> (prem, plum), <i>Prunus persica</i> (peach), <i>Punica granatum</i>	buah (fruits)	Africa: Egypt, Ghana, Kenya, Mauritius, Morocco, Nigeria, South Africa, Zimbabwe America: Argentina, Brazil, Canada, Chile, Honduras, Nicaragua, USA, Uruguay, Venezuela Asia: Brunei Darussalam, China, DPR Korea (North Korea), Georgia, India, Iran, Israel, Japan, Kazakhstan, Philippines, Republic of Korea (South Korea), Saudi Arabia, Sri Lanka, Turkey

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	Ascomycota, Eurotiomycetes, Eurotiales, Trichocomaceae; Blue mould of stored apple, soft rot of apple, soft rot of grape, storage rot of fruit		(pomegranate), <i>Pyrus communis</i> (pir, pear), <i>Rheum hybridum</i> (rhubarb), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Triticum aestivum</i> (gandum, wheat), <i>Vaccinium</i> (blueberries), <i>Vitis vinifera</i> (anggur, grapevine), <i>Zea mays</i> (jagung, corn, maize)		Europe: Armenia, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, France, Greece, Italy, Latvia, Lithuania, Montenegro, Poland, Romania, Serbia, Slovakia, Spain, Sweden, Ukraine, United Kingdom Oceania: Australia, New Zealand
75.	[s]: - [a]: <i>Periconia manihoticola</i> (Vincens) Viegas, 1955; (Syn. <i>Haplographium manihoticola</i> Vincens, 1916, <i>Periconia manihoticola</i> var. <i>macrospora</i> Bat., Valle & matta, 1965, <i>Periconia manihoticola</i> var. <i>manihoticola</i> (Vincens) Viegas, 1955); Ascomycota, Pezizomycotina, Dothideomycetes, Pleosporales; Periconia blight	I	<i>Acasia</i> spp., <i>Hevea brasiliensis</i> (karet, rubber tree), <i>Manihot esculenta</i> (ubi kayu, cassava), <i>Pisum</i> spp.	batang (stems), daun (leaves)	Africa: Malawi, Tanzania, Togo Asia: India, Myanmar Oceania: Fiji, Papua New Guinea, Solomon Islands, Vanuatu



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
76.	<p>[c]: <i>Peronospora hyoscyami</i> de Bary, 1863; (Syn. <i>Peronospora effusa</i> var. <i>hysocyami</i> Rabenh., 1860, <i>Peronospora nicotianae</i> Speg., 1892, <i>Peronospora tabacina</i> D. B. Adam, 1933); Oomycetes, Peronosporae, Peronosporales, Peronosporaceae; angular tobacco leaf spot, blue mould of tobacco, downy mildew, tobacco black fire, tobacco blue mould, tobacco wildfire</p>	I	<p><i>Capsicum annuum</i> (paprika, bell-pepper), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum melongena</i> (terung, eggplant, aubergine), <i>Solanum pimpinellifolium</i> (currant tomato)</p>	<p>akar (roots), batang (stems (above ground), trunks, branches), biji (true seeds), bunga (flowers, inflorescences, cones, calyx) daun (leaves), tunas (shoots)</p>	<p>Africa: Algeria, Egypt, Libya, Morocco, Tunisia America: Argentina, Brazil, Chile, Costa Rica, Cuba, Dominica, El Salvador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Puerto Rico, USA, Uruguay, Venezuela Asia: Algeria, Georgia, Iran, Iraq, Israel, Jordan, Lebanon, Libya, Mongolia, Myanmar, Syria, Turkey, Uni Arab Emirat, Yemen Europe: Albania, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus,</p>

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					Czech, France, Germany, Greece, Hungary, Italy, Latvia, Lithuania, Luxembourg, Moldova, Montenegro, Netherlands, North Macedonia, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia
77.	[c]: <i>Peronospora sparsa</i> Berk. (1862); (Syn. <i>Peronoplasmopara sparsa</i> (Berk.) Uljan., 1967, <i>Peronospora fragariae</i> Roze & Cornu, 1876, <i>Peronospora rosae-gallicae</i> Săvul. & Rayss, 1934, <i>Peronospora rubi</i> Rabenh. ex. J. Schröt., 1886, <i>Pseudoperonospora sparsa</i> (Berk.) Jacz., 1928, <i>Puccinia sparsa</i> (Berk.)	I	<i>Punus laurocerasus</i> , <i>Rosa</i> spp. (mawar, rose), <i>Rubus</i> spp.	akar (roots), batang (stems (above ground), trunks, branches), bibit (seedlings), buah (fruits), bunga (flowers), inflorescences,	Africa: Egypt, Mauritius, Morocco, South Africa, Sudan, Zimbabwe America: Argentina, Brazil, Canada, Colombia, Mexico, USA, Venezuela Asia: Azerbaijan,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM ( <i>SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	INANG/ <i>HOST</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
	Jacz., 1928); Chromista, Oomycota, Oomycetes, Peronosporales, Peronosporaceae; downy mildew			cones, calyx), daun (leaves), polong (pods), tanaman hasil mikropropagasi (micropropagate d plants), tunas (shoots)	Brunei Darussalam, China, India, Iran, Israel, Japan, Republic of Korea (South Korea), Philippines Europe: Andorra, Austria, Belarus, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
78.	[c]: <i>Peronospora viciae</i> f. sp <i>pisi</i> (Sydow) Boerema & Verhoeven; Chromista, Oomycota, Oomycetes, Peronosporales, Peronosporaceae; pea downy mildew	I	<i>Pisum sativum</i> (kapri, sweet pea), <i>Vicia faba</i>	batang (stems), benih (true seeds), buah (fruits), bunga (inflorescences), daun (leaves)	America: Canada Asia: India Europe: Denmark, Norway, Poland, Sweden
79.	[s]: <i>Phaeosphaeria nodorum</i> (E. Müll.) Hedjar., Sydowia, 1969; [a]: <i>Parastagonospora nodorum</i> (Berk.) Quaedvl., Verkley & Crous, 2013; (Syn. <i>Depazea nodorum</i> Berk., 1945; <i>Hendersonia nodorum</i> (Berk.) Petr., 1947, <i>Leptosphaeria nodorum</i> E. Müll. (1952), <i>Phoma hennebergii</i> Lopr., 1893, <i>Phoma hennebergii</i> J.G. Kühn, Hedwigia, 1877, <i>Septoria holci</i> Pass., 1879, <i>Septoria glumarum</i> Pass., 1879, <i>Septoria nodorum</i> (Berk.) Berk., 1850 <i>Stagosnospora nodorum</i> (Berk.) E. Castell. & Germano, 1977); Ascomycota, Pezizomycotina, Dothideomycetes, Pleosporales, Phaeosphaeriaceae;	I	Agropyron, <i>Bromus inermis</i> , <i>Cynodon dactylon</i> (rumpit Bermuda, Bermuda grass), <i>Hordeum</i> , <i>Hordeum vulgare</i> (barli, barley), <i>Lolium perenne</i> , <i>Secale cereale</i> (rye), Triticale, Triticum, <i>Triticum aestivum</i> (gandum, wheat)	batang (stems), biji (true seeds, grain), buah (fruits), bunga (flowers, inflorescences, cones, calyx), daun (leaves), polong (pods)	Africa: Angola, Ethiopia, Kenya, Malawi, Morocco, South Africa, Tanzania, Uganda, Zambia, Zimbabwe America: Argentina, Bolivia, Brazil, Canada, Chile, Colombia, Ecuador, Mexico, USA, Uruguay, Venezuela Asia: Armenia, Bhutan, China, India, Iran, Israel, Japan, Kazakhstan, Korea, Lebanon, Nepal, Pakistan, Philippines, Saudi Arabia, Taiwan Europe: Austria,

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	glume blotch				Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom Oceania: Australia, New Zealand

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80.	<p>[s]: <i>Phellinus robiniae</i> (Murrill) A. Ames 1913); (Syn. <i>Fomes cedrelae</i> (Murrill) Sacc. &amp; Trotter, 1912, <i>Fomes robiniae</i> (Murrill) Sacc. &amp; D. Sacc., 1905, <i>Fomitiporella robiniae</i> (Murrill) Teixeira, 1992, <i>Fulvifomes cedrelae</i> (Murrill) Murrill, 1915, <i>Fulvifomes robiniae</i> (Murrill) Murrill, 1914, <i>Polyporus robiniae</i> (Murrill) Murrill, 1903, <i>Pyropolyporus cedrelae</i> Murrill, 1908, <i>Pyropolyporus robiniae</i> Murrill, 1903, <i>Scindalma robiniae</i> (Murrill) Teixeira, 1986);</p> <p>[a]: - Basidiomycota, Agaricomycotina, Agaricomycetes, Hymenochaetales, Hymenochaetaceae; Yellow spongy rot</p>	I	<p><i>Albizia falcataria</i> (jeungjing, albizia), <i>Albizia lebeck</i> (trembesi, lebbek), <i>Robinia pseudoacacia</i> (kayu robinia, black locust), <i>Anogeissus latifolia</i> (axlewood), <i>Boswellia serrata</i> (Indian olibanum tree), <i>Casuarina strieta</i> (Australian pine tree), <i>Dalberbia sissoo</i> (sonosiso, sonosiso), <i>Eucalyptus</i> spp. (eukaliptus, eucalyptus), <i>Morus alba</i> (murbei, white mulberry), <i>Pistacia lentiscus</i> (mastic), <i>Querus</i> sp. (ek, oak), <i>Shorea robusta</i> (sala, sal), <i>Terminalia bellarica</i> (kayu joho, beleric), <i>Terminalia tomentosa</i> (asan)</p>	akar (roots), batang (stems)	Africa: Jamaica America: Mexico Asia: India, Pakistan, Sri Lanka Oceania: Australia, Samoa
81.	<p>[s]: <i>Phialophora cinerescens</i> (Wollenw.) JFH Beyma (1940);</p> <p>[a]: <i>Verticillium cinerescens</i> Wollenw. (1930); Ascomycota, Pezizomycotina,</p>	I	<p><i>Dianthus</i> spp. (anyelir, carnation), <i>Fragaria</i> spp., <i>Helianthus annuus</i> (bunga matahari, sunflower)</p>	akar (roots), batang (stems (above ground), trunks,	America: Canada, Colombia, USA Asia: China, Turkey, Uzbekistan Europe: Belgium,

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	Eurotiomycetes, Chaetothyriales, Herpotrichiellaceae; Phialophora wilt, vascular wilt of carnation, wilt of carnation			branches), daun (leaves), bibit (seedlings), media tanam (growing media associated with plants), tanaman (whole plant), tanaman hasil mikropropagasi (micropropagate d plants), tunas (shoots)	Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Montenegro, North Macedonia, Norway, Poland, Romania, Russian Federation, Serbia, Slovenia, Spain, Ukraine, United Kingdom Oceania: New Zealand
82.	[r]: <i>Phragmidium mucronatum</i> (Pers.) Schltdl, 1824; (Syn. <i>Aregma disciflora</i> Arthur, 1899, <i>Aregma mucronatum</i> (Pers.) Fr., 1832, <i>Aregma phragmidium</i> Fr., 1832, <i>Aregma phragmidium</i> subsp. <i>mucronatum</i> (Pers.) Fr., 1832, <i>Aregma phragmidium</i> subsp. <i>obtusatum</i> Fr., 1832, <i>Aregma</i>	I	<i>Rosa</i> spp. (mawar, rose)	batang (stems), daun (leaves)	Africa: Canary Island, Egypt, Eritrea, Ethiopia, Kenya, Libya, Madagascar, Morocco, South Africa, Zimbabwe America: Argentina, Bolivia, Brazil, Canada, Chile, Costa Rica,

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	<p><i>phragmidium</i> subsp. <i>phragmidium</i> Fr., 1832, <i>Ascophora disciflora</i> Tode, 1790, <i>Ascophora disciflora</i> var. <i>byssina</i> Tode, 1790, <i>Ascophora disciflora</i> var. <i>disciflora</i> Tode, 1790, <i>Ascophora disciflora</i> var. <i>solida</i> Tode, 1790, <i>Caeoma miniatum</i> (Pers.) Schltldl., 1824, <i>Caeoma pingue</i> (DC.) Link, 1852, <i>Caeoma rosae</i> var. <i>miniatum</i> (Pers.) Link, 1825, <i>Coleosporium miniatum</i> Bonord., 1860, <i>Coleosporium pingue</i> (DC.) Lév., 1847, <i>Coleosporium pingue</i> (DC.) Lév., 1856, <i>Coleosporium pingue</i> var. <i>alchemillae</i> Berk. &amp; Broome, 1875, <i>Coleosporium pingue</i> var. <i>pingue</i> (DC.) Lév., 1847, <i>Erysibe miniata</i> (Pers.) Wallr., 1833, <i>Erysibe miniata</i> var. <i>miniata</i> (Pers.) Wallr., 1833, <i>Puccinia mucronata</i> Pers.); Basidiomycota, Pucciniomycotina, Pucciniomycetes, Pucciniales, Praghmidiaceae; rust of rose</p>				<p>Guatemala, Honduras, Jamaica, Mexico, USA Asia: Armenia, China, Georgia, India, Iran, Iraq, Japan, Kazakhstan, Myanmar, Pakistan, Philippines, Saudi Arabia, Turkey Europe: Austria, Belarus, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Lithuania, Malta, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Spain, Sweden, Ukraine, United Kingdom Oceania: Australia, New Zealand</p>



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83.	[s]: <i>Phyllachora huberii</i> Henn., 1900; (Syn. <i>Catacauma huberi</i> (Henn.) Theiss. & Syd., 1915); [a]: - Ascomycota, Pezizomycotina, Sordariomycetes, Phyllachorales, Phyllachoraceae; black spot, tar spot	I	<i>Hevea brasiliensis</i> (karet, rubber tree)	batang muda, daun (leaves)	America: Brazil, Guyana
84.	[s]: <i>Phyllachora pomigena</i> (Schwein.) Sacc., 1883; (Syn. <i>Dothidea pomigena</i> Schwein., 1832); [a]: <i>Gloeodes pomigena</i> (Schwein.) Colby, 1920; Ascomycota, Pezizomycotina, Sordariomycetes, Phyllachorales, Phyllachoraceae; sooty blotch on twig and fruit	I	<i>Malus domestica</i> (apel, apple), <i>Citrus</i> spp., <i>Magnolia</i> spp., Orchidaceae (anggrek, orchid), <i>Quercus</i> spp., <i>Vitis vinifera</i> (anggur, grapevine)	buah (fruits), cabang (branches), daun (leaves)	America: Brazil, USA Asia: India, Japan Europe: Germany United Kingdom
85.	[s]: - [a]: <i>Phyllosticta arbutifolia</i> Ellis & G. Martin, 1886; (Syn. <i>Phyllosticta arbutifoliae</i> Ellis & G. Martin, 1886, <i>Phyllosticta</i> <i>solitaria</i> Ellis & Everh., 1895, <i>Phyllostictina solitaria</i> (Ellis &	I	<i>Crataegus</i> sp., <i>Malus</i> <i>domestica</i> (apel, apple) <i>Pyrus coronaria</i>	buah (fruits), daun (leaves)	America: Canada, USA

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	Everh.); Ascomycota, Pezizomycotina, Dothideomycetes, Botryosphaerales, Phyllostictaceae; apple blotch				
86.	[s]:- [a]: <i>Phyllosticta phaseolina</i> Sacc., 1878; (Syn. <i>Phyllosticta phaseolorum</i> Sacc. & Speg., 1878); Ascomycota, Pezizomycotina, Dothideomycetes, Botryosphaerales, Phyllostictaceae; leaf spot, fruit blotch, twig canker, brown: bean leaf spot	I	<i>Glycine max</i> (kedelai, soyabean), <i>Phaseolus</i> spp., <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Vanilla</i> sp.	biji (true seeds), buah (fruits), batang (stems), daun (leaves), polong (pods), tanaman (whole of plant)	Africa: Ghana, Kenya, Malawi, Mauritius, Sierra Leone, Sudan, Zambia America: Barbados, Jamaica
87.	[s]: - [a]: <i>Phymatotrichopsis omnivora</i> (Duggar) Hennebert, 1973; (Syn. <i>Ozonium omnivorum</i> Shear, 1907, <i>Phymatotrichum omnivorum</i> Duggar, 1916); Ascomycota, Pezizomycotina, Pezizomycetes, Pezizales, Rhizinaceae; cotton root rot, root rot of cotton, soft rot of cotton, cotton soft rot, grapevine	I	Fabaceae, <i>Juglandaceae</i> , Malvaceae, <i>Rosaceae</i> , Umbelliferae, <i>Abelmoschus</i> <i>esculentus</i> (okra), <i>Abelmoschus moschatus</i> (okra, lady's finger), <i>Arachys hypogaea</i> (kacang tanah, groundnut), <i>Beta</i> <i>vulgaris</i> var <i>saccharifera</i> (bit, sugar beet) <i>Carya</i>	akar (roots), batang (stems (above ground), trunks, branches), media tanam (growing media associated with plants), tunas (shoots)	Africa: Libya, Zimbabwe America: Cuba, Mexico, USA, Venezuela Eropa: United Kingdom

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	root rot		<i>illinoensis</i> , <i>Ficus carica</i> (ara), <i>Glycine max</i> (kedelai, soyabean), <i>Gossypium barbadens</i> (kapas, cotton), <i>Juglans regia</i> , <i>Malus domestica</i> (apel, apple), <i>Medicago sativa</i> , <i>Phaseolus</i> , <i>Populus</i> , <i>Prunus</i> spp., <i>Pyrus communis</i> (pir, pear), <i>Salix</i> , <i>Ulmus</i> , <i>Vitis vinifera</i> (anggur, grapevine)		
88.	[c]: <i>Phytophthora cryptogea</i> Pethybr. & Laff. (1919); (Syn. <i>Phytophthora cryptogea</i> var. <i>cryptogea</i> Pethybr. & Laff., 1919, <i>Pythiomorpha aoryzae</i> S. Ito & Nagai (1931); Chromista, Oomycota, Peronosporae, Peronosporales, Peronosporaceae; tomato foot rot, damping off, gerbera foot rot, black neck of chrysanthemum, tulip shanking, corm, stem and leaf rot of gloxinia, pink rot of potato, stem rot, root rot, damping-off	I	<i>Actinidia chinensis</i> (Chinese gooseberry), <i>Actinidia deliciosa</i> (kiwifruit), <i>Allium cepa</i> (bawang bombay, onion), <i>Antirrhinum majus</i> (snapdragon), <i>Apium graveolens</i> (seledri, celery), <i>Asparagus officinalis</i> (asparagus), Aster, <i>Brassica oleracea</i> var. <i>botrytis</i> (bunga kol, cauliflower), <i>Cajanus cajan</i> (kacang gude, pigeon pea), <i>Calathea</i> , <i>Calendula officinalis</i> (Pot marigold),	akar (roots), batang (stems (above ground), trunks, branches), bibit tanaman (seedlings), buah (fruits), bunga (flowers, inflorescences, cones, calyx), daun (leaves), media tanam (growing media	Africa: Egypt, South Africa, Zimbabwe America: Argentina, Brazil, Canada, Chile, Ecuador, Mexico, USA Asia: China, Iran, Israel, Japan, Jordan, Malaysia, Pakistan, Republic of Korea (South Korea), Taiwan, Turkey Europe: Austria, Belgium, Bulgaria, Croatia, Czech

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			<p><i>Callistephus chinensis</i> (China aster), <i>Capsicum annuum</i> (paprika, bell pepper), <i>Castanea</i> (chestnuts), <i>Celosia argentea</i> (celosia), <i>Chrysanthemum</i> (krisan, daisy), <i>Chrysanthemum frutescens</i> (marguerite), <i>Chrysanthemum vestitum</i>, <i>Cichorium</i> (chicory), <i>Cichorium intybus</i> (chicory), <i>Citrullus lanatus</i> (semangka, watermelon), Citrus, <i>Clarkia</i> (satin flowers), <i>Consolida ambigua</i> (rocket larkspur), <i>Cotoneaster</i>, <i>Cucumis melo</i> (melon, melon), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Cucurbita</i> (pumpkin), <i>Cucurbita maxima</i> (giant pumpkin), <i>Cucurbita moschata</i> (labu, pumpkin), <i>Cucurbita pepo</i></p>	<p>associated with plants), umbi (bulbs, tubers, corms, rhizomes), polong (pods), tunas (shoots)</p>	<p>Republic, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Montenegro, Netherlands, North Macedonia, Norway, Poland, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, United Kingdom Oceania: Australia, New Zealand, Papua New Guinea</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			(labu kuning, zukini, zucchini), <i>Cupressus</i> (cypresses), <i>Cyamopsis tetragonoloba</i> (guar), <i>Cyphomandra betacea</i> (tree tomato), <i>Dahlia</i> , <i>Daucus carota</i> (wortel, carrot), <i>Dianthus barbatus</i> (sweet williams), <i>Dianthus caryophyllus</i> (anyelir, carnation), <i>Erica</i> (heaths), <i>Erysimum cheiri</i> (wallflower), <i>Eucalyptus</i> spp. (eukaliptus, eucalyptus), <i>Euphorbia pulcherrima</i> (poinsettia), <i>Fragaria</i> (stroberi, strawberry), <i>Gerbera</i> (Barbeton daisy), <i>Gerbera jamesonii</i> (African daisy), <i>Gladiolus hybrids</i> (sword lily), <i>Glycine max</i> (kedelai, soyabean), <i>Gynura bicolor</i> , <i>Gypsophila paniculata</i> (babysbreath), <i>Hebe</i> ,		

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			<p><i>Helianthus annuus</i> (bunga matahari, sunflower),  <i>Humulus lupulus</i> (hop),  <i>Juglans regia</i> (walnut),  <i>Juniperus chinensis</i> (Chinese juniper),  <i>Lactuca sativa</i> (selada, lettuce),  <i>Liatris spicata</i> (spike gayfeather),  <i>Limonium sinuatum</i> (sea pink),  <i>Lupinus</i> spp.,  <i>Malus domestica</i> (apel, apple),  Maranta (arrowroot),  <i>Matthiola incana</i> (stock),  <i>Medicago sativa</i> (lucerne),  <i>Nasturtium officinale</i> (watercress),  <i>Nicotiana tabacum</i> (tembakau, tobacco),  <i>Onobrychis viciifolia</i> (sainfoin),  <i>Papaver nudicaule</i> (Iceland poppy),  <i>Parthenium argentatum</i> (Guayule),  <i>Pericallis cruenta</i> (common cineraria),  <i>Persea americana</i> (avokad,</p>		

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			avocado), <i>Petroselinum crispum</i> (parsley), <i>Petunia hybrida</i> , <i>Phaseolus vulgaris</i> (common bean), <i>Picea</i> (spruces), <i>Pinus</i> (pines), <i>Pinus lambertiana</i> (big pine), <i>Pinus mugo</i> (mountain pine), <i>Pinus nigra</i> (black pine), <i>Pinus radiata</i> (radiata pine), <i>Pisum</i> spp., <i>Populus simonii</i> (Simon poplar), <i>Prunus armeniaca</i> (aprikot, apricot), <i>Prunus avium</i> (ceri manis, sweet cherry), <i>Prunus cerasus</i> (kersen, sour cherry), <i>Prunus dulcis</i> (almon, badam, almond), <i>Prunus mahaleb</i> (mahaleb cherry), <i>Prunus persica</i> (peach), <i>Prunus salicina</i> (Japanese plum), <i>Rubus idaeus</i> (raspberry), <i>St.paulia ionantha</i> (African violet), <i>Salvia officinalis</i> (common		

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			sage), <i>Simmondsia chinensis</i> (jojoba), <i>Solanum melongena</i> (terung, eggplant, aubergine), <i>Solanum tuberosum</i> (kentang, potato), <i>Spinacia oleracea</i> (bayam, spinach), <i>Syzygium samarangense</i> (water apple), <i>Tagetes erecta</i> (African marigold), <i>Tanacetum cinerariifolium</i> (Pyrethrum), <i>Triticum aestivum</i> (gandum, wheat), Tulipa (tulip), <i>Vicia villosa</i> , Viola (violet), <i>Vitis vinifera</i> (anggur, grapevine), <i>Zinnia elegans</i> (zinnia)		
89.	[c]: <i>Phytophthora fragariae</i> Hickman, 1940; (Syn. <i>Phytophthora fragariae</i> var. <i>fragariae</i> Hickman, 1940, <i>Phytophthora fragariae</i> var. <i>oryzobladis</i> J.S. Wang & J.Y. Lu, 1978); Oomycota, Oomycetes, Peronosporia,	I	Fragaria, <i>Fragaria ananassa</i> , <i>Fragaria chiloensis</i> (chilean strawberry), <i>Fragaria vesca</i> (arbei, strawberry), <i>Rubus idaeus</i> (raspberry)	akar (roots), batang (stems), bibit (seedlings), media tanam (growing media associated with plants), stolon	Africa: Egypt America: Canada, Chile, Ecuador, Mexico, USA Asia: India, Israel, China, Japan, Lebanon, Syria, Taiwan



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	Peronosporales, Peronosporaceae; Red core, red stele disease, strawberry red stele root rot, raspberry root rot, red core disease of strawberry, red core of strawberry, red stele disease of strawberry, red stele of strawberry				Europe: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, France, Germany, Hungary, Ireland, Italy, Lithuania, Luxemburg, Netherlands, Norway, Russian Federation, Scotland, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand
90.	[c]: <i>Phytophthora megakarya</i> Brasier & M.J. Griffin (1979); Chromista, Oomycota, Peronosporea, Peronosporales, Peronosporaceae; black pod of cocoa, seedling blight of cocoa, trunk canker of cocoa	I	<i>Ananas comosus</i> (nanas, pineapple), <i>Carica papaya</i> (pepaya, papaya), <i>Colocasia</i> <i>esculenta</i> (talas, taro), <i>Elaeis guineensis</i> (kelapa sawit, oilpalm), <i>Mangifera</i> <i>indica</i> (mangga, mango), <i>Musa x paradisiaca</i> (pisang, banana), <i>Persea americana</i>	akar (roots), batang (stems (above ground), trunks, branches), buah (fruits), daun (leaves), kayu (woods), kulit kayu	Africa: Cameroon, Equatorial Guinea, Gabon, Ghana, Guinea, Ivory Coast, Nigeria, Togo

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			(alpukat, avocado), <i>Theobroma cacao</i> (kakao, cocoa), <i>Xanthosoma sagittifolium</i> (elephant ear)	(bark), polong (pods), tunas (shoots)	
91.	[c]: <i>Phytophthora megasperma</i> Drechsler 1931; (Syn. <i>Pythiomorpha miyabeana</i> S. Ito & Nagai 1931, <i>Phytophthora megasperma</i> var. <i>megasperma</i> Drechsler 1931; Chromista, Oomycota, Peronospora, Peronosporales, Peronosporaceae; root rot, crown rot, trunk canker, collar rot, apoplexy, sudden wilt, fruit rot, stem blight, seed-piece rot, tuber rot, pod rot, black rot, blight, spear rot	I	<i>Actinidia deliciosa</i> (kiwifruit), <i>Aesculus hippocastanum</i> (buckeye), <i>Alcea rosea</i> (Hollyhock), <i>Asparagus officinalis</i> (asparagus), <i>Banksia</i> , <i>Brassica oleracea</i> (cabbages, cauliflowers), <i>Brassica oleracea</i> var. <i>botrytis</i> (cauliflower), <i>Brassica oleracea</i> var. <i>capitata</i> (cabbage), <i>Brassica oleracea</i> var. <i>gemmifera</i> (Brussels sprouts), <i>Brassica rapa</i> subsp. <i>pekinensis</i> (pe- tsai), <i>Buddleia</i> (butterflybush), <i>Carthamus tinctorius</i> (safflower), <i>Castanea sativa</i> (chestnut), <i>Chamaecyparis lawsoniana</i> (Port Orford cedar), <i>Cicer</i>	akar (roots), bahan perbanyakan tanaman (hasil mikropropagasi) (micropropagate d plants), batang (stems (above ground), trunks, branches), bibit (seedlings), daun (leaves), kayu (woods), kulit kayu (bark), media tanam (growing media associated with plants), polong (pods), tanaman	America: Argentina, Canada, Chile, USA Asia: China, India, Iran, Japan, Republic of Korea (South Korea), Philippines Europe: Bosnia and Herzegovina, Croatia, France, Greece, Ireland, Italy, Montenegro, North Macedonia, Scotland, Serbia, Slovenia, Spain, United Kingdom Oceania: Australia, New Zealand

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			<p><i>arietinum</i> (chickpea),  <i>Cytisus</i> (Broom), <i>Dahlia</i>,  <i>Daucus carota</i> (carrot),  <i>Dianthus caryophyllus</i>                      (anyelir, carnation),  <i>Eucalyptus</i> spp.                      (eukaliptus, eucalyptus),  <i>Juglans regia</i> (walnut),  <i>Malus domestica</i> (apel,                      apple), <i>Matthiola incana</i>                      (stock), <i>Narcissus</i> (daffodil),  <i>Parthenium argentatum</i>                      (Guayule), <i>Pinus</i> (pines),  <i>Prunus armeniaca</i> (apricot),  <i>Prunus avium</i> (ceri manis,                      sweet cherry), <i>Prunus</i>  <i>cerasus</i> (kersen, sour                      cherry), <i>Prunus domestica</i>                      (prem, plum), <i>Prunus dulcis</i>                      (almon, badam, almond),  <i>Prunus mahaleb</i> (mahaleb                      cherry), <i>Prunus persica</i>                      (peach), <i>Prunus salicina</i>                      (Japanese plum),  <i>Pseudotsuga menziesii</i></p>	<p>(whole plant),                      tunas (shoots),                      umbi (bulbs,                      tubers, corms,                      rhizomes)</p>	

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			(Douglas-fir), <i>Ribes uva-crispa</i> (gooseberry), <i>Rubus idaeus</i> (raspberry), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Solanum tuberosum</i> (kentang, potato), <i>Sorbus aria</i> (whitebeam), <i>Sorbus aucuparia</i> (mountain ash), <i>Vicia faba</i> (broad bean)		
92.	[c]: <i>Phytophthora phaseoli</i> Thaxt. (1889); (Syn. <i>Phytophthora infestans</i> var. <i>phaseoli</i> (Thaxt.) Leonian (1925); Chromista, Oomycota, Peronosporae, Peronosporales, Peronosporaceae; Phaseolus leaf blight, collar rot of lima bean	I	<i>Phaseolus lunatus</i> (kacang kratok, lima bean), <i>Phaseolus vulgaris</i> (buncis, common bean)	akar (roots), batang (stems), biji (stems), daun (leaves), media tanam (growing media associated with plants)	Africa: DR Congo America: Mexico, Puerto Rico, USA Asia: Philippines, Sri Lanka Europe: Italy, Russian Federation
93.	[c]: <i>Phytophthora ramorum</i> Werres, De Cock & Main in't Veld, 2001; Chromista, Oomycota, Peronosporae, Peronosporales, Peronosporaceae; Sudden oak death, ramorum leaf	I	<i>Abies grandis</i> (grand fir), <i>Abies magnifica</i> (red fir), <i>Acer circinatum</i> , <i>Acer macrophyllum</i> (broadleaf maple), <i>Acer</i>	batang (stems (above ground), shoots, trunks, branches), daun (leaves),	America: Canada, USA Europe: Belgium, Croatia, Denmark, Finland, France, Germany, Greece,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	blight, ramorum shoot dieback and sudden larch death		<i>pseudoplatanus</i> (sycamore), <i>Adiantum aleuticum</i> , <i>Adiantum jordanii</i> (California maidenhair fern), <i>Aesculus californica</i> (California buckeye), <i>Aesculus hippocastanum</i> (horse chestnut), <i>Arbutus menziesii</i> (Pacific madrone), <i>Arctostaphylos</i> (bearberry), <i>Arctostaphylos columbiana</i> (Hairy manzanita), <i>Arctostaphylos manzanita</i> , <i>Calluna vulgaris</i> (heather), <i>Camellia</i> , <i>Camellia japonica</i> (camellia), <i>Camellia sasanqua</i> (Sasanqua), <i>Castanea sativa</i> (chestnut), <i>Ceanothus thyrsiflorus</i> (Blueblossom ceanothus), <i>Chamaecyparis lawsoniana</i> (Port Orford cedar),	media tanam (growing media associated with plants), bibit (seedlings, micropropagated plants), kayu (wood)	Ireland, Italy, Netherlands, Norway, Poland, Portugal, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom

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			<p><i>Cinnamomum camphora</i> (camphor laurel), <i>Corylus cornuta</i> (beaked hazel), <i>Corylus cornuta</i> var. <i>californica</i> (California hazel), <i>Fagus sylvatica</i> (common beech), <i>Frangula californica</i>, <i>Fraxinus excelsior</i> (ash), <i>Gaultheria procumbens</i> (Aromatic wintergreen), <i>Griselinia littoralis</i>, <i>Hamamelis virginiana</i> (Virginian witch-hazel), <i>Heteromeles salicifolia</i> (toyon), <i>Kalmia</i> (laurel), <i>Larix</i> (larches), <i>Larix kaempferi</i> (Japanese larch), <i>Laurus nobilis</i> (sweet bay), <i>Lithocarpus</i> (stone oaks), <i>Lonicera hispidula</i>, <i>Loropetalum chinense</i>, <i>Magnolia stellata</i> (Star</p>		

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			<p>magnolia), <i>Magnolia x loebneri</i>, <i>Maianthemum racemosum</i>, <i>Michelia doltsopa</i> (champ), <i>Notholithocarpus densiflorus</i> (Tanoak), <i>Parrotia persica</i> (persian ironwood), <i>Photinia fraseri</i>, <i>Picea sitchensis</i> (Sitka spruce), <i>Pieris japonica</i> (Lily-of-the-valley shrub), <i>Pseudotsuga menziesii</i> (Douglas-fir), <i>Quercus agrifolia</i> (California live oak), <i>Quercus cerris</i> (European Turkey oak), <i>Quercus chrysolepis</i> (Canyon live oak), <i>Quercus falcata</i> (red oak), <i>Quercus ilex</i> (holm oak), <i>Quercus kelloggii</i> (California black oak), <i>Quercus parvula</i> var. <i>shrevei</i>, <i>Rhamnus</i></p>		

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			<p><i>purshiana</i> (Cascara buckthorn), <i>Rhododendron</i> (Azalea), <i>Rhododendron catawbiense</i>, <i>Rosa gymnocarpa</i>, <i>Salix caprea</i> (pussy willow), <i>Sambucus nigra</i> (elder), <i>Sequoia sempervirens</i> (coast redwood), <i>Syringa vulgaris</i> (lilac), <i>Taxus baccata</i> (English yew), <i>Toxicodendron diversilobum</i>, <i>Trientalis latifolia</i>, <i>Umbellularia californica</i> (California laurel), <i>Vaccinium</i> (blueberries), <i>Vaccinium myrtillus</i> (blueberry), <i>Vaccinium ovatum</i> (Box blueberry), <i>Viburnum</i>, <i>Viburnum bodnantense</i>, <i>Viburnum</i></p>		



No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM ( <i>SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	INANG / <i>HOST</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
			<i>tinus</i>		
94.	[c]: <i>Phytophthora sojae</i> Kaufm & Gerd., 1958; (Syn. <i>Phytophthora sojae</i> f.sp. <i>glycines</i> Faris et al., <i>Phytophthora megasperma</i> var. <i>sojae</i> A.A. Hildebr. 1959); Chromista, Oomycota, Peronosporales, Peronosporaceae; root and stem rot, root and stem rot of soybean, root and stem rot of soybean	I	<i>Glycine max</i> (kedelai, soyabean), <i>Lupinus</i> sp.	akar (roots), batang (stems (above ground), trunks, branches), biji (true seeds), buah (fruits), daun (leaves), media tanam (tanah) (growing media associated with plants, soil), polong (pods), tunas (shoots)	Africa: South Africa America: Argentina, Brazil, Canada, Chile, USA Asia: China, India, Iran, Japan, Mongolia, Pakistan, Republic of Korea (South Korea), Europe: Bulgaria, Croatia, France, Italy, Poland, Russian Federation, Slovenia, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand, Papua New Guinea
95.	[s]: - [a]: <i>Plenodomus destruens</i> Harter, 1913; (Syn. <i>Phomopsis destruens</i> (Harter) Boerema, Loer. & Hamers, 1996); Ascomycota, Pezizomycotina,	I	<i>Ipomoea batatas</i> (ubi jalar, sweet potato)	batang (stems), biji (true seeds), umbi (tubers)	America: Brazil, Caribbean, USA Asia: China, Republic of Korea (South Korea)

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	Dothideomycetes, Pleosporales; foot rot of sweet potato				
96.	[s]: - [a]: <i>Plenodomus tracheiphilus</i> (Petri) Gruyter, Aveskamp & Verkley, 2012; (Syn. <i>Bakerophoma tracheiphila</i> (Petri) Cif., 1946, <i>Deuterophoma tracheiphila</i> Petri, 1929, <i>Phoma tracheiphila</i> (Peri) L.A. Kantsch. & Gikaschvili, 1948); Ascomycota, Pezizomycotina, Dothideomycetes, Pleosporales; mal secco disease of <i>citrus</i> , wilt of <i>citrus</i> , <i>citrus</i> wilt, <i>citrus</i> mal secco	I	<i>Citrus</i> spp., <i>Fortunella</i> , <i>Poncirus</i>	akar (roots), batang (stems), biji (true seeds), buah (fruits)	Africa: Algeria, Tunisia, Uganda Asia: Georgia, Iraq, Israel, Lebanon, Syria, Turkey, Yemen Europe: Albania, Cyprus, France, Greece, Italy, Russian Federation Oceania: Australia
97.	[s]: <i>Podosphaera clandestina</i> (Wallr.) Lév., 1851; (Syn. <i>Erysiphe clandestina</i> (Wallr.) Link, 1842, <i>Erysiphe oxyacanthae</i> DC., 1815, <i>Podosphaera aucupariae</i> Erikss., 1886, <i>Podosphaera clandestina</i> var. <i>luxurians</i> U. Braun, 2012, <i>Podosphaera clandestina</i> var. <i>aucupariae</i> (Erikss.) U. Braun,	I	<i>Crataegus monogyna</i> (hawthorn), <i>Cydonia oblonga</i> (kwinsi, quince), <i>Prunus armeniaca</i> (apricot), <i>Prunus avium</i> (ceri manis, sweet cherry), <i>Prunus domestica</i> (prem, plum), <i>Prunus salicina</i> (prem Jepang, Japanese plum)	batang muda, buah (fruits), daun (leaves)	Africa: Libya, Mauritius, Morocco, Zimbabwe America: Canada, USA Asia: Armenia, Azerbaijan, China, Hong Kong, India, Iran, Iraq, Japan, Kazakhstan, Kyrgyzstan, Lebanon,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	<p>1984, <i>Podosphaera clandestina</i> var. <i>clandestina</i> (Wallr.) Lév., 1851, <i>Podosphaera clandestina</i> var. <i>cydoniae</i> N. Ahmad, A.K. Sarbhoy &amp; Kamal, 1998, <i>Podosphaera clandestina</i> var. <i>perlonga</i> U. Braun, 2012, <i>Podosphaera oxyacanthae</i> (DC.) de Bary, 1870, <i>Podosphaera oxyacanthae</i> subsp. <i>oxyacanthae</i> (DC.) de Bary, 1870, <i>Podosphaera oxyacanthae</i> f. <i>oxyacanthae</i> (DC.) de Bary, 1870, <i>Podosphaera oxyacanthae</i> var. <i>oxyacanthae</i> (DC.) de Bary, 1870);</p> <p>[a]: <i>Oidium crataegi</i> Grognot, 1882; (Syn. <i>Alphitomorpha clandestina</i> Wallr., 1819, <i>Alphitomorpha oxyacanthae</i> (DC.) Wallr. 1819);</p> <p>Ascomycota, Pezizomycotina, Leotiomycetes, Erysiphales, Erysiphaceae;</p> <p>powdery mildew of cherry; powdery mildew of hawthorn; mildew of quince</p>				<p>Republic of Korea (South Korea), Turkey, Turkmenistan, Uzbekistan</p> <p>Europe: Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Ukraine, United Kingdom</p> <p>Oceania: Australia, New Zealand</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
98.	[s]: - [a]: <i>Polyscytalum pustulans</i> (M.N. Owen & Wakef.) M.B. Ellis, 1976; (Syn. <i>Oospora pustulans</i> M.N. Owen & Wakef., 1919); Ascomycota, Pezizomycotina; skin spot of potato	I	<i>Solanum</i> spp., <i>Solanum tuberosum</i> (kentang, potato)	akar (roots), umbi (bulbs), batang (stems (above ground), trunks, branches), media tanam (growing media associated with plants), organ vegetative, tunas (shoots)	Africa: South Africa America: Canada, USA Asia: Iran Europe: Estonia, Germany, Ireland, Lithuania, Netherlands, Norway, Romania, Russian Federation, Scotland, United Kingdom Oceania: Australia, New Zealand
99.	[r]: <i>Puccinia asparagi</i> DC., 1805; (Syn. <i>Aecidium asparagi</i> Lasch, 1848, <i>Dicaeoma asparagi</i> (DC.) Kuntze, 1898, <i>Persooniella asparagi</i> (DC.) Syd., 1922, <i>Puccinia discoidearum</i> var. <i>asparagi</i> (DC.) Wallr., 1833, <i>Uredo asparagi</i> Lasch, 1848); Basidiomycota, Pucciniomycotina, Pucciniomycetes, Pucciniales; Pucciniaceae; asparagus rust, rust of asparagus	I	<i>Allium cepa</i> (bawang bombay, onion), <i>Allium cepa</i> var. <i>agregatum</i> (bawang merah, shallot), <i>Allium tuberosum</i> (kucai), <i>Asparagus asparagoides</i> (bridal creeper), <i>Asparagus maritimus</i> , <i>Asparagus officinalis</i> (asparagus, asparagus), <i>Asparagus officinalis</i> subsp. <i>officinalis</i> , <i>Asparagus scaber</i> ,	batang (stems (above ground, trunks, branches), bibit (seedlings), biji (true seeds, grains), daun (leaves), tanaman hasil mikropropagasi (micropropagate d plants), tunas	Africa: Angola, Ethiopia, Kenya, Morocco, South Africa, Tanzania, Uganda, Zambia America: Canada, Cuba, Dominican Republic, Mexico, USA Asia: China, Georgia, India, Iran, Israel, Japan, Kazakhstan, Philippines, Taiwan,

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			<i>Asparagus setaceus</i> (asparagus fern), <i>Asparagus verticillatus</i>	(shoots)	Turkey, Turkmenistan, Uzbekistan Europe: Austria, Azerbaijan, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Hungary, Italy, Latvia, Lithuania, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation Oceania: New Zealand
100.	[r]: <i>Puccinia coronata</i> Corda, 1837; (Syn. <i>Aecidium crassum</i> Pers., 1801, <i>Aecidium frangulae</i> Schumach., 1803, <i>Aecidium irregulare</i> DC., 1805, <i>Aecidium rhamni</i> J.F. Gmel., 1792, <i>Caecoma crassatum</i> Link, 1825, <i>Dicaeoma gibberosum</i> (Lagerh.) Kuntze, 1898, <i>Dicaeoma rhamni</i> (J.F. Gmel.) Kuntze, 1898,	I	<i>Agrostis capillaris</i> (brown bentgrass), <i>Agrostis gigantea</i> (black bent), <i>Agrostis stolonifera</i> (creeping bentgrass), <i>Alopecurus aequalis</i> (Dent foxtail), <i>Arrhenatherum elatius</i> (false oatgrass), <i>Avena sativa</i> (oat, oats), <i>Bromus erectus</i> (upright	batang (stems (above ground), trunks, branches), bunga (flowers, inflorescences, cones, calyx), daun (leaves), tunas (shoots)	Africa: Algeria, Canary Islands, Egypt, Ethiopia, Kenya, Morocco, Tanzania America: Argentina, Brazil, Canada, Chile, Mexico, USA, Uruguay Asia: China, India, Iran, Israel, Japan, Kazakhstan, Mongolia,

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	<p><i>Puccinia calamagrostidis</i> P. Syd., 1892, <i>Puccinia coronata</i> Peturson, 1934, <i>Puccinia coronata</i> f. <i>agrostidis</i> Erikss., 1894, <i>Puccinia coronata</i> var. <i>arrhenatheri</i> Kleb., <i>Puccinia coronata</i> var. <i>avenae</i> W.P. Fraser &amp; Ledingham, 1933, <i>Puccinia coronata</i> var. <i>bromi</i> W.P. Fraser &amp; Ledingham, 1933, <i>Puccinia coronata</i> var. <i>calamagrostis</i> W.P. Fraser &amp; Ledingham, 1933, <i>Puccinia coronata</i> var. <i>coronata</i> Corda, 1837, <i>Puccinia coronata</i> f. <i>coronata</i> Corda, 1837, <i>Puccinia coronata</i> var. <i>elaeagni</i> W. P. Frase &amp; Ledingham, 1983, <i>Puccinia coronata</i> var. <i>epigejos</i> (S. Ito) Hirats. f., 1983, <i>Puccinia coronata</i> var. <i>festucae</i> Erikss., <i>Puccinia coronata</i> var. <i>gibberosa</i> (Lagerh.) Jørst., 1949, <i>Puccinia coronata</i> var. <i>golestanica</i> M. Abbasi &amp; Hedjar., 2004, <i>Puccinia</i></p>		<p>brome(grass)), <i>Bromus tectorum</i> (downy brome), <i>Calamagrostis epigejos</i>, <i>Festuca arundinacea</i> (reed fescue), <i>Festuca ovina</i> (sheeps fescue), <i>Festuca pratensis</i> (English bluegrass), <i>Festuca rubra</i> (red fescue), <i>Frangula alnus</i>, <i>Hordeum vulgare</i> (barli, barley), <i>Lolium rigidum</i> (rigid ryegrass), <i>Phalaris canariensis</i> (Canary grass), <i>Phleum pratense</i> (timothy), <i>Rhamnus</i> spp., <i>Secale cereale</i> (rye), <i>Trisetum flavescens</i> (yellow oatgrass), <i>Rhamnus caroliniana</i> (Carolina buckthorn), <i>Rhamnus cathartica</i> (buckthorn), <i>Rhamnus frangula</i> (alder buckthorn), turfgrasses</p>		<p>Pakistan, Uzbekistan Europe: Austria, Belarus, Bosnia dan Herzegovina, Bulgaria, Croatia, Czech, Denmark, Estonia, Finland, France, Corsica, Germany, Greece, Hungary, Italy, Latvia, Lithuania, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/ HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	<p><i>coronata</i> var. <i>elaeagni</i> W.P. Fraser &amp; Ledingham, 1933, <i>Puccinia coronata</i> var. <i>himalensis</i> Barclay, 1891, <i>Puccinia coronata</i> var. <i>holci</i> Kleb., <i>Puccinia coronata</i> f. <i>holci</i> Kleb., 1913, <i>Puccinia coronata</i> var. <i>hordei</i> H. Jin &amp; Steff., 1999, <i>Puccinia coronata</i> var. <i>intermedia</i> Z. Urb., 1967, <i>Puccinia coronata</i> var. <i>lolii</i> Beeynck, 1854, <i>Puccinia coronata</i> var. <i>rangiferina</i> (S. Ito) Cummins, 1971, <i>Puccinia rangiferina</i> S. Ito, 1909, <i>Puccinia coronata</i> var. <i>secalis</i> Peturson, 1954, <i>Puccinia coronata</i> var. <i>sertata</i> Rabenh., 1858, <i>Puccinia coronati-hordei</i> M. Liu &amp; Hambl., 2013, <i>Puccinia epigejos</i> S. Ito, 1909, <i>Puccinia gibberosa</i> Lagerh., 1888, <i>Puccinia lolii</i> E. Nielsen, 1875, <i>Puccinia rangiferina</i> S. Ito, 1909, <i>Puccinia rhamni</i> (J.F. Gmel.) Wettst., 1886, <i>Solenodonta coronata</i> (Corda) Syd.,</p>				

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	<p>1921 <i>Solenodonta epigejos</i> (S. Ito) Syd., 1921, <i>Solenodonta gibberosa</i> (Lagerh.) Syd., 1921, <i>Solenodonta rangiferina</i> (S. Ito) Syd., 1921); Basidiomycota, Pucciniomycotina, Pucciniomycetes, Pucciniales, Pucciniaceae; crown rust of grasses, crown rust of oat, crown rust, oat crown rust;</p>				
101.	<p>[s]: <i>Pyrenophora teres</i> Dreschler; (Syn. <i>Pyrenophora teres</i> f. <i>maculata</i> Smed.-Pet. (1971), <i>Pyrenophora teres</i> f. <i>teres</i> Drechsler (1923), <i>Pyrenophora teres</i> subsp. <i>graminea</i> (S. Ito &amp; Kurib.) Simay, (1992), <i>Pyrenophora teres</i> subsp. <i>teres</i> Drechsler (1923)); [a]: <i>Drechslera teres</i> (Sacc.) Shoemaker (1959); (Syn. <i>Drechslera teres</i> f. <i>maculata</i> Smed.-Pet. (1971), <i>Drechslera teres</i> f. <i>teres</i> (Sacc.) Shoemaker (1959), <i>Drechslera teres</i> subsp. <i>teres</i> (Sacc.) Shoemaker (1959),</p>	I	<i>Avena sativa</i> (oat, oats), <i>Bromus inermis</i> (awnless brome), <i>Hordeum vulgare</i> (barley), Poaceae (grasses), <i>Triticum aestivum</i> (gandum, wheat), <i>Zea mays</i> (jagung, corn, maize)	batang (stems), biji (true seeds, grains), bunga (flowers, inflorescences, cones, calyx), daun (leaves), tunas (shoots)	Africa: Canary Islands, Egypt, Eritrea, Ethiopia, Kenya, Libya, Morocco, Saint Helena, South Africa, Tanzania, Tunisia, Zambia America: Argentina, Brazil, Canada, Colombia, Mexico, Peru, Uruguay, USA Asia: Afghanistan, China, India, Iran, Iraq, Israel, Japan, Kyrgyzstan, Myanmar,



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	<p><i>Helminthosporium hordei</i> Eidam (1891), <i>Helminthosporium teres</i> Sacc. (1886)); Ascomycota, Pezizomycotina, Dothideomycetes, Pleosporomycetidae, Pleosporales, Pleosporaceae; net blotch, net blotch of barley</p>				<p>Nepal, Pakistan, Republic of Korea (South Korea), Syria, Taiwan, Turkey, Turkmenistan, Uzbekistan Europe: Armenia, Austria, Baltic States, Belarus, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Faroe Islands, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Malta, Moldova, Montenegro, Netherlands, Norway, Poland, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, United Kingdom</p>

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					Oceania: Australia, New Zealand
102.	<p>[s]: <i>Sarocladium strictum</i> (W. Gams) Summerb., 2011; (Syn. <i>Acremonium strictum</i> W. Gams, 1971, <i>Acremonium strictum</i> W. Gams &amp; D.R Sumner, (1971), <i>Acremonium zeae</i> W. Gams &amp; D.R Sumner, (1971), <i>Tilachlidium medietatis</i> Novobr (1972));</p> <p>[a] <i>Cephalosporium acremonium</i> var. <i>natricis</i> Frágner, 1958; (Syn. <i>Hyalopus acremonium</i> (Corda) M. A. J. Barbosa, 1941, <i>Cephalosporium majus</i> (Penz.) Mussat, 1990, <i>Haplotrichum acremonium</i> (Corda) Pound &amp; Clem., 1896, <i>Cephalosporium acremonium</i> var. <i>uniseptum</i> Masee, 1887, <i>Cephalosporium acremonium</i> Corda, 1839, <i>Cephalosporium acremonium</i> var. <i>acremonium</i> Corda, 1839);</p> <p>Ascomycota, Pezizomycotina, Sordariomycetes, Hypocreomycetidae, Hypocreales;</p>	I	<p><i>Agaricus bisporus</i> (jamur kancing, button mushroom), <i>Arachis hypogaea</i> (kacang tanah, groundnut), <i>Asparagus officinalis</i> (asparagus), <i>Avena sativa</i> (gandum, oats), <i>Daucus carota</i> (wortel, carrot), <i>Glycine soja</i> (kedelai, soybean), <i>Gladiolus grandiflorus</i> (gladiol), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Pisum sativum</i> (kacang polong, pea), <i>Poaceae</i> (rumput, grasses), <i>Quercus ilex</i> (holm oak), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Sorghum bicolor</i> (sorghum), <i>Triticum aestivum</i> (gandum, wheat), <i>Zea mays</i> (jagung, corn, maize)</p>	<p>batang (stems), biji (true seeds, grains), buah (fruits), daun (leaves), media tanam (growing media associated with plants), polong (pods)</p>	<p>Africa: Burkina Faso, Cameroon, Egypt, Libya, Nigeria, South Africa, Uganda America: Argentina, Brazil, Chile, Mexico, USA Asia: China, India, Iran, Pakistan, Syria, Turkey Europe: Czech Republic, Italy, Netherlands, Poland, Russian Federation, Slovakia, Spain Oceania: Australia</p>

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	acremonium wilt, black bundle disease of maize, kernel rot of maize				
103.	[s]: - [a]: <i>Uwemyces elaeidis</i> (Steyaert) Hern.-Restr., G. A. Sarria & Crous, 2016; (Syn. <i>Cercospora elaeidis</i> Steyaert, 1948, <i>Pseudospiropes elaeidis</i> (Steyaert) Deighton, 1986); Ascomycota, Pezizomycotina, Dothideomycetes, Mycosphaerellales, Mycosphaerellaceae; cercospora leaf spot, freckle of oil palm, leaf spot of oil palm, oil palm leaf spot	I	<i>Elaeis guineensis</i> (kelapa sawit, oilpalm)	biji (true seeds), buah (fruits), daun (leaves)	Africa: Angola, Antilles, Netherlands, Benin, Cameroon, Ivory Coast, DR Congo, Congo, Gabon, Ghana, Guinea-Bissau, Guinea, Liberia, Nigeria, Sao Tome and Principe, Senegal, Sierra Leone, Sudan, Suriname, Tanzania, Togo, Zimbabwe Oceania: Australia
104.	[s]: <i>Rosellinia necatrix</i> Berl. ex Prill., 1904; (Syn. <i>Hypoxylon necatrix</i> (Berl. ex Prill.) P.M.D. Martin, 1968, <i>Hypoxylon necatrix</i> (Berl. ex Prill.) P.M.D. Martin, 1976, <i>Rosellinia radiciperda</i> sensu auct. NZ; fide Nzfungi (2008) ); [a]: <i>Dematophora necatrix</i> R. Hartig, 1883, <i>Pleurographium necator</i> (R.	I	<i>Abies alba</i> , <i>Acacia</i> , <i>Acer</i> , <i>Actinidia deliciosa</i> (kiwi, kiwi fruit), <i>Aesculus</i> , <i>Annona</i> , <i>Asparagus officinalis</i> (asparagus, asparagus), <i>azalea</i> , <i>Begonia</i> , <i>Beta vulgaris</i> var <i>saccharifera</i> (bit, sugar beet), <i>Berberis</i> , <i>Boehmeria nivea</i> (rami, ramie),	akar (roots), batang (stems (above ground), trunks, branches), kayu (woods), kulit kayu (bark), media tanam (growing media associated with	Africa: Central Africa, DR Congo, Ethiopia, Kenya, Morocco, Mozambique, Nigeria, South Africa, Réunion, Zimbabwe America: Argentina, Brazil, Colombia, Dominica, Mexico, USA Asia: China, Georgia,

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	<p>Hartig) Goid., 1935, <i>Rhizomorpha necatrix</i> R. Hartig, 1883); Ascomycota, Pezizomycotina, Sordariomycetes, Xylariales, Xylariaceae; Dematophora root rot, white root rot of trees</p>		<p><i>Brassica oleracea capitata</i> (kubis, cabbage), <i>Camellia sinensis</i> (teh, tea), <i>Carya</i>, <i>Castanea sativa</i>, <i>Ceanothus megacarpus</i>, <i>Cedrus atlantica</i>, <i>Citrus</i> spp., <i>Coffea</i> spp. (kopi, coffee), <i>Corylus avellana</i>, <i>Cotoneaster</i>, <i>Cydonia oblonga</i>, <i>Cynara scolymus</i> (artisyok, artichoke), <i>Cyclamen</i>, <i>Cyperus esculentus</i>, <i>Daucus carota</i> (wortel, carrot), <i>Dianthus</i>, <i>Diospyros</i>, <i>Eriobotrya japonica</i>, <i>Eucalyptus</i> spp. (eukaliptus, eucalyptus), <i>Fagus</i>, <i>Feijoa sellowiana</i>, <i>Ficus carica</i>, <i>Fragaria</i>, <i>Fragaria vesca</i> (stroberi, strawberry), <i>Gladiolus</i> hybrids, <i>Helianthus annuus</i> (bunga matahari, sunflower), <i>Humulus lupulus</i>, <i>Hyacinthus</i>, <i>Ilex</i></p>	<p>plants), tunas (shoots), umbi (bulbs, tubers, corms, rhizomes)</p>	<p>India, Iran, Iraq, Israel, Japan, Lebanon, Philippines, Republic of Korea (South Korea), Taiwan, Turkey Europe: Austria, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, France, Germany, Greece, Italy, Montenegro, Netherlands, North Macedonia, Portugal, Romania, Russian Federation, Serbia, Slovenia, Spain, Switzerland, Ukraine, United Kingdom Oceania: New Zealand</p>

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			<p><i>aquifolium</i>, Iris, Ixia, <i>Jasminum sambac</i> (melati, jasmine), <i>Juglans</i>, <i>Juglans</i> <i>regia</i>, Lavandula, <i>Larix</i> <i>decidua</i>, <i>Ligustrum vulgare</i>, <i>Laurus nobilis</i>, Malus, <i>Malus domestica</i> (apel, apple), <i>Manihot esculenta</i> (ubi kayu, cassava), Macadamia, <i>Medicago</i> <i>sativa</i>, <i>Mangifera indica</i> (mangga, mango), Morus, Narcissus, <i>Olea europea</i> subsp. <i>europea</i> (zaitum, olive), Paeonia, <i>Passiflora</i> <i>quadrangularis</i> (markisa, passion-fruit, granadilla), <i>Persea americana</i> (avokad, avocado), Pelargonium, Phaseolus, <i>Pistacia vera</i>, <i>Picea abies</i>, <i>Piper nigrum</i> (lada, pepper), <i>Pinus</i> <i>merkusii</i> (tusam, pinetree), Platanus, stone fruit, Populus, Protea, <i>Prunus</i></p>		

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			<p><i>cerrasus</i> (kersen, sour cherry), <i>Punica granatum</i> (delima, pomegranate), <i>Pyracantha</i>, <i>Pyrus communis</i> (pir, pear), <i>Rosa</i> spp. (mawar, rose), <i>Ribes</i>, <i>Rubus</i> spp., <i>Rumex</i>, <i>Salix</i>, <i>Solanum tuberosum</i> (kentang, potato), <i>Sorbus aucuparia</i>, <i>Theobroma cacao</i> (kakao, cocoa), <i>Crocoshmia crocosmiiflora</i>, <i>Tulipa</i>, <i>Ulmus</i>, <i>Viburnum</i>, <i>Vicia</i>, <i>Vitis</i>, <i>Viola</i>, <i>Vitis vinifera</i> (anggur, grapevine), <i>cerealia</i>, <i>Zea mays</i> (jagung, corn, maize), <i>Ziziphus jujuba</i>, <i>Zantedeschia</i></p>		
105.	<p>[s]: <i>Saccharicola taiwanensis</i> (W.Y. Yen % C.C. Chi) O.E. Erikss. &amp; D. Hawksw., 2003; (Syn. <i>Didymella taiwanensis</i> (W.Y. Yen &amp; C.C. Chi) Shoemaker &amp; C.E. Babc., 1989);</p>	I	<p><i>Saccharum officinarum</i> (tebu, sugarcane)</p>	daun (leaves)	Asia: India, Japan, Philippines, Taiwan

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	<p>[a]: <i>Stagonospora taiwanensis</i> W.H. Hsieh, 1979; (Syn. <i>Cercospora taiwanensis</i> T. Matsumoto &amp; W. Yamam., 1934, <i>Leptoshaeria taiwanensis</i> W.Y. Yen &amp; C.C. Chi., 1952, <i>Mycovellosiella taiwanensis</i> (T. Matsumoto &amp; W. Yamam.) X.J. Liu &amp; Y.L Guo, 1988, <i>Pseudocercospora taiwanensis</i> (T. Matsumoto &amp; W. Yamam.) J.M. Yen, 1981); Ascomycota, Pezizomycotina, Dothideomycetes, Pleosporales, Massarinaceae; sugar cane leaf blight</p>				
106.	<p>[s]: <i>Schizothyrium pomi</i> (Mont. &amp; Fr.) Arx., 1959; (Syn. <i>Gyrothyrium westerdijkiae</i> Arx. (1950); [a]: <i>Botryodiplodia pomi</i> (Mont. &amp; Fr.) Cif (1946); (Syn. <i>Labrella pomi</i> Mont (1834), <i>Leptothyrium pomi</i> (Mont.) Sacc</p>	I	<p><i>Actinidia deliciosa</i> (kiwi), <i>Citrus</i> sp., <i>Cydonia oblonga</i> (quince), <i>Dianthus caryophyllus</i> (anyelir, carnation), <i>Diospyros</i>, <i>Diospyros</i> sp. (Malabar ebony), Japanese persimmon, <i>Malus</i></p>	buah (fruits)	<p>Africa: Tanzania, Togo, Zimbabwe America: USA Asia: Brunei Darussalam, China, India, Iran, Japan, Pakistan, Sri Lanka Europe: Austria, Czech</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	(1880), <i>Leptothyrium pomi</i> A. Selby, 1920, <i>Microsticta pomi</i> (Mont.) (1849), <i>Microthyriella paludosa</i> C. Booth, 1958, <i>Microthyriella rubi</i> , Petr., 1923, <i>Schizothyriina rubi</i> (Petr.), <i>Zygophiala jamaicensis</i> E. W. Mason; Ascomycota, Pezizomycotina, Dothideomycetes, Schizothyriaceae; greasy blotch, flyspeck, sooty blotch		<i>domestica</i> (apel, apple), <i>Musa</i> sp., <i>Prunus domestica</i> (prem, plum), <i>Pyrus communis</i> (pir, pear), <i>Rubus fruticosus</i> (blackberry), <i>Rubus idaeus</i> (raspberry), <i>Vitis vinifera</i> (anggur, grapevine)		Republic, Germany, Montenegro, Netherlands, Portugal, Serbia, Romania, United Kingdom Oceania: New Zealand
107.	[c]: <i>Sclerophthora macrospora</i> (Sacc.) Thirum., C.G. Shaw & Naras (1953); (Syn. <i>Kawakamia macrospora</i> (Sacc.) Hara (1915), <i>Nozemia macrospora</i> (Sacc.) Tasugi (1931), <i>Phytophthora macrospora</i> (Sacc.) S. Ito & I. Tanaka (1940), <i>Phytophthora oryzae</i> (Brizi) Hara, 1939, <i>Sclerospora macrospora</i> var. <i>macrospora</i> (Sacc.) Thirum., C.G. Shaw & Naras., 1953, <i>Sclerospora kriegiana</i> Magnus, 1896, <i>Sclerospora macrospora</i> Sacc., 1890, <i>Sclerospora oryzae</i> Brizi,	I	<i>Avena sativa</i> (oat, oats), <i>Avena sterilis</i> subsp. <i>ludoviciana</i> (Winter wild oat), <i>Bromus inermis</i> (Awnless brome), <i>Dactyloctenium aegyptium</i> (crowfoot grass), <i>Digitaria sanguinalis</i> (large crabgrass), <i>Echinochloa crus-galli</i> (barnyard grass), <i>Eleusine coracana</i> (finger millet), <i>Eleusine indica</i> (goose grass) <i>Elymus repens</i> (quackgrass) <i>Eragrostis</i> (lovegrasses), <i>Hordeum</i>	akar (roots), batang (stems (above ground), trunks, branches), biji (true seeds, grains), bunga (flowers, inflorescences, cones, calyx), daun (leaves), media tanam (growing media associated with plants), tunas	Africa: Ethiopia, Mauritius, Nigeria, South Africa, Uganda, Zimbabwe American: Brazil, Canada, Cuba, Mexico, USA, Peru, Venezuela Asia: China, India, Iran, Iraq, Japan, Kazakhstan, Pakistan, Republic of Korea (South Korea), Syria, Taiwan, Thailand, Turkey Europe: Austria,



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	1919); Chromista, Oomycota, Peronosporae, Peronosporales, Peronosporaceae; downy mildew; crazy top of maize, yellow wilt of rice, witches' broom on maize		<i>vulgare</i> (barley), <i>Lolium temulentum</i> (darnel), <i>Oryza sativa</i> (padi, paddy, rice), <i>Panicum capillare</i> (tumble panicgrass), <i>Pennisetum glaucum</i> (pearl millet), <i>Poa</i> (meadow grass), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Setaria viridis</i> (green foxtail), <i>Stenotaphrum secundatum</i> (buffalograss), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Triticum</i> (wheat), <i>Triticum aestivum</i> (gandum, wheat), <i>Zea mays</i> (jagung, corn, maize), <i>Zoysia japonica</i> (Zoysia grass)	(shoots)	Bulgaria, Croatia, Germany, Italy, Montenegro, Poland, Serbia, Slovenia, Switzerland Oceania: Australia, New Zealand
108.	[c]: <i>Sclerospora graminicola</i> (Sacc.) J. Schrot (1886); (Syn. <i>Peronospora graminicola</i> (Sacc.) Sacc., 1882, <i>Peronospora setariae</i> Pass., 1879, <i>Protomyces graminicola</i> Sacc., 1876, <i>Sclerospora graminicola</i> var.	I	<i>Echinochloa crus-galli</i> (barnyard grass), <i>Panicum miliaceum</i> (millet), <i>Pennisetum glaucum</i> (pearl millet), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Setaria italica</i>	akar (roots), batang (stems (above ground), trunks, branches), biji (true seeds, grains), bunga	Africa: Burkina Faso, Chad, Egypt, Gambia, Ghana, Ivory Coast, Malawi, Mali, Mauritania, Mozambique, Niger, Nigeria, Senegal, Sierra

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	<p><i>graminicola</i> (Sacc.) J. Schröt., 1886, <i>Sclerospora graminicola</i> var. <i>setariae-italicaa</i> Traverso, 1902, <i>Sclerospora setariae-italicae</i> (Traverso) Cif. &amp; Sousa da Camara, 1963, <i>Ustilago urbanii</i> Magnus, 1878); Chromista, Oomycota, Peronosporales, Peronosporaceae; downy mildew of pearl millet, green ear</p>		(foxtail millet), <i>Zea mays</i> (jagung, corn, maize), <i>Zea mexicana</i> (teosinte)	(flowers, inflorescences, cones, calyx), daun (leaves), media tanam (growing media associated with plants), tunas (shoots)	<p>Leone, South Africa, Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe America: Argentina, Canada, Hawaii, Mexico, Puerto Rico, USA Asia: Bhutan, China, Hong Kong, India, Iran, Israel, Japan, Kazakhstan, Pakistan, Republic of Korea (South Korea), Taiwan, Yemen Europe: Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, France, Germany, Hungary, Italy, Macedonia, Montenegro, Netherlands, Poland, Romania, Russian Federation, Serbia,</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
					Slovakia, Slovenia, Spain, Switzerland, United Kingdom Oceania: Fiji
109.	[s]: - [a]: <i>Septoria pisi</i> Berk. 1853; Ascomycota, Dothideomycetes, Mycosphaerellales, Mycosphaerellaceae; septoria blight/blotch	I	<i>Lavandula</i> sp. (lavandin/Dutch lavender), <i>Pisum sativum</i> (kapri, sweet pea), <i>Vicia faba</i>	biji (true seeds), daun (leaves), polong (pods)	America: Canada, USA Europe: Croatia, Denmark, Finland, Ireland, Norway, Sweden Oceania: New Zealand
110.	[s]: - [a]: <i>Septoria selenophomoides</i> E.K. Cash & A.M.J. Watson, 1955; Ascomycota, Dothideomycetes, Mycosphaerellales, Mycosphaerellaceae; leaf spot	I	Orchidaceae, <i>Laelia</i> spp.	daun (leaves), tangkai bunga	America: Mexico
111.	[s]: - [a]: <i>Setophoma terrestris</i> (H.N. Hansen) Gruyter, Aveskamp & Verkley (2010); (Syn. <i>Phoma terrestris</i> H.N. Hansen (1929), <i>Pyrenochaeta terrestris</i> (H.N. Hansen) Gorenz, J.C. Walker	I	<i>Allium</i> spp., <i>Asparagus officinalis</i> (asparagus, asparagus), <i>Brassica</i> sp., Canola, <i>Cucurbita maxima</i> , <i>Cucurbita moschata</i> (labu, squash), <i>Triticum aestivum</i> (gandum, wheat), <i>Zea mays</i>	akar (roots), tanaman (whole plant), umbi (bulbs)	Africa: Egypt, Mauritius, Senegal, Sudan, Uganda, Zambia America: Argentina, Colombia, Costa Rica, USA, Venezuela

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	& Larson (1948)); Ascomycota, Dothideomycetes, Pleosporales, Phaeosphaeriaceae; onion pink root		(jagung, corn, maize)		Asia: Bangladesh, Bhutan, Brunei Darussalam, China, Hong Kong, India, Japan, Malaysia, Pakistan, Sri Lanka Europe: Germany, Netherlands, United Kingdom Oceania: Australia Europe: Greece, Israel Netherlands, Poland
112.	[s]: <i>Sphacelotheca reiliana</i> (J.G. Kühn) G.P. Clinton, 1902; (Syn. <i>Cintractia reiliana</i> (J.G. Kühn) Clinton, 1900, <i>Sorosporium</i> <i>holci-sorgi</i> (Rivolta) Moesz, 1950, <i>Sorosporium holci-sorgi</i> f.sp <i>holci-</i> <i>sorgi</i> (Rivolta) Moesz, 1950, <i>Sorosporium holci-sorgi</i> f.sp <i>zeae</i> (Pass.) Savul, 1955, <i>Sorosporium</i> <i>holci-sorgi</i> f.sp <i>zeae</i> (Pass.) Savul, 1957, <i>Sorosporium reilianum</i> (J.G. Kühn) McAlpine, 1910, <i>Sphacelotheca holci-sorgi</i> Cif.,	I	Andropogon, <i>Sorghum</i> <i>bicolor</i> (sorgum, sorghum), <i>Sorghum halepense</i> (rumput gelagah, Johnson grass), <i>Sorghum sudanense</i> , <i>Zea</i> <i>mays</i> (jagung, corn, maize), <i>Zea mays</i> subsp. <i>mays</i> (sweet corn) <i>Zea mexicana</i> ( <i>Zea mays</i> subsp. <i>mexicana</i> )	akar (roots), batang (stems (above ground), trunks, branches), biji (true seeds, grains), bunga (flowers, inflorescences, cones, calyx), daun (leaves), media tanam (growing media	Africa: Burkina Faso, Burundi, Cameroon, Chad, DR Congo, Egypt, Erythrea, Ethiopia, Ghana, Kenya, Malawi, Mali, Mauritania, Mauritius, Morocco, Mozambique, Niger, Nigeria, Rwanda, Senegal, Somalia, South Africa, Sudan, Tanzania, Togo, Uganda, Zambia,

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	<p>1938, <i>Sphacelotheca reiliana</i> var. <i>reiliana</i> (J.G. Kühn) G.P. Clinton, 1902, <i>Sphacelotheca reiliana</i> var. <i>zeae</i> (Pass.) Al-Sohaily, Mankin &amp; Semeniuk, 1963, <i>Sporisorium holci-sorghii</i> (Rivolta) Vánky, 1985, <i>Sporisorium reilianum</i> (J.G. Kühn) Langdon &amp; Full., 1978, <i>Ustilago holci-sorghii</i> Rivolta, <i>Ustilago reiliana</i> J,G Kühn, 1875, <i>Ustilago reiliana</i> f.sp <i>zeae</i> Pass.);</p> <p>[a]: - Basidiomycota, Microbotryomycetes, Microbotryales; Microbotryaceae; head smut of maize, loose smut</p>			<p>associated with plants), tunas (shoots)</p>	<p>Zimbabwe America: Argentina, Barbados, Bolivia, Brazil, Canada, Chile, Colombia, El Salvador, Guatemala, Honduras, Jamaica, Mexico, Panama, USA, Uruguay Asia: Bhutan, China, India, Iran, Iraq, Israel, Japan, Kazakhstan, Malaysia, Myanmar, Nepal, Pakistan, Philippines, Republic of Korea (South Korea), Taiwan, Yemen Europe: Austria, Bosnia and Herzegovina, Bulgaria, Czech Republic, Croatia, Cyprus, Estonia, France, Germany, Greece, Hungary, Italy,</p>

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					Moldova, Montenegro, North Macedonia, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Serbia Spain, Switzerland, Ukraine Oceania: Australia, New Zealand, Papua New Guinea
113.	[s]: <i>Sporisorium cruentum</i> (J.G.Kühn) Vánky, 1985; (Syn. <i>Sphacelotheca cruenta</i> (J.G. Kühn) Potter, 1912, <i>Sphacelotheca holci</i> H.S. Jacks., 1934, <i>Ustilago cruenta</i> J.G. Kühn. 1872); [a]: - Basidiomycota, Ustilaginomycetes, Ustilaginales, Ustilaginaceae; loose kernel smut, loose smut, sorghum loose kernel smut	I	<i>Saccharum officinarum</i> (tebu, sugarcane), <i>Sorghum arundinaceum</i> , <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Sorghum caffrorum</i> , <i>Sorghum sudanense</i> (Sudan grass)	biji (true seeds)	Africa: Botswana, Burundi, Cameroon, Central Africa, Chad, DR Congo, Egypt, Eritrea, Ethiopia, Gambia, Ghana, Kenya, Malawi, Mauritius, Morocco, Mozambique, Niger, Nigeria, Rwanda, Senegal, Somalia, South Africa, Sudan, Swaziland, Tanzania, Uganda, Zambia,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM ( <i>SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	INANG/ <i>HOST</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
					Zimbabwe America: Argentina, Barbados, Brazil, Costa Rica, Cuba, El Salvador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Puerto Rico, USA, Venezuela Asia: Afghanistan, China, India, Iran, Iraq, Israel, Japan, Lebanon, Myanmar, Pakistan, Republic of Korea (South Korea), Taiwan, Turkey, Yemen Europe: Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Germany, Greece, Hungary, Italy, Macedonia, Montenegro, Poland, Russian Federation, Serbia, Slovakia,

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM ( <i>SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME</i> )	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
					Slovenia
114.	<p>[s]: <i>Stromatinia cepivora</i> (Berk.) Whetzel; (= <i>Stromatinia cepivora</i> (Berk.) Whetzel, 1945);</p> <p>[a]: <i>Sclerotium cepivorum</i> Berk., 1841;</p> <p>Ascomycota, Leotiomycetes, Helotiales, Sclerotiniaceae;;</p> <p>white rot of onion and garlic, onion white root rot, bulb rot of onion, Allium white rot, onion white rot</p>	I	<p><i>Allium</i> (bawang, onions, garlic), <i>Allium cepa</i> (bawang Bombay, onion), <i>Allium cepa</i> var. <i>aggregatum</i> (bawang merah, shallot), <i>Allium fistulosum</i> (bawang daun, Welsh onion), <i>Allium porrum</i> (bawang prei, leek), <i>Allium sativum</i> (bawang putih, garlic), <i>Allium schoenoprasum</i> (lokio, chives)</p>	akar (roots), batang (stems (above ground), trunks, branches), umbi (bulbs), tunas (shoots)	<p>Africa: Egypt, Ethiopia, Libya, South Africa, Uganda, Zimbabwe</p> <p>America: Argentina, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Guyana, Mexico, Uruguay, USA, Venezuela</p> <p>Asia: China, India, Iran, Japan, Republic of Korea (South Korea), Philippines</p> <p>Europe: Austria, Bulgaria, Cyprus, Czech Republic, Czechoslovakia, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Montenegro, Netherlands, Norway, Poland, Portugal,</p>



No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM ( <i>SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	INANG / <i>HOST</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
					Romania, Russian Federation, Serbia, Slovakia, Spain, Sweden, Switzerland, United Kingdom Oceania: Australia, New Zealand
115.	[s]: <i>Stromatinia gladioli</i> (Drayton) Whetzel, 1945; (Syn. <i>Sclerotinia gladioli</i> Drayton (1934); [a]: <i>Sclerotium gladioli</i> Massey (1928); Ascomycota, Leotiomycetes, Helotiales, Sclerotiniaceae; gladiolus dry rot, corm rot	I	<i>Crocus sativus</i> , <i>Gladiolus</i> spp.	akar (roots), batang (stems), umbi corms)	Africa: Zimbabwe Europe: Spain, United Kingdom Oceania: Australia, New Zealand
116.	[s]: - [a]: <i>Synchytrium endobioticum</i> (Schilb.) Percival (1909); (Syn. <i>Chrysophlyctis endobioticum</i> Schilb. (1896), <i>Synchytrium solan</i> Massee (1910); Chytridiomycota, Chytridiomycetes, Chytridiales, Synchytriaceae; black wart of potato, potato black scab, potato wart disease, wart disease	I	<i>Hyoscyamus niger</i> , <i>Nicandra physaloides</i> , <i>Solanum dulcamara</i> , <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum nigrum</i> (leunca, black nightshade), <i>Solanum tuberosum</i> (kentang, potato)	akar (roots), batang (stems (above ground), trunks, branches), daun (leaves), media tanam (growing media associated with plants), umbi	Africa: Algeria, South Africa, Tunisia America: Bolivia, Canada, Chile, Ecuador, Falkland Islands, Peru, USA, Asia: Bhutan, China, India, Nepal, Turkey Europe: Armenia, Austria, Belarus,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	of potato			(bulbs, tubers, corms, rhizomes), tunas (shoots)	Bosnia and Herzegovina, Bulgaria, Croatia, Czech, Denmark, Estonia, Faroe Islands, Finland, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxemburg, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Sweden, Switzerland, Ukraine, United Kingdom Oceania: New Zealand
117.	[sm]: <i>Thecaphora solani</i> (Thirum & M.J. O'Brien) Mordue (1988); (Syn. <i>Angiosorus solani</i> Thirum. & M.J. O'Brien (1974), <i>Thecaphora solani</i> Barrus (1944);	I	<i>Datura stramonium</i> , <i>Solanum aianhuii</i> , <i>Solanum curtilobum</i> , <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum phureaia</i> ,	batang (stems (above ground), trunks, branches), daun (leaves),	America: Bolivia, Chile, Colombia, Ecuador, Mexico, Panama, Peru, Uruguay, Venezuela

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	Basidiomycota, Ustilaginomycotina, Ustilaginomycetes, Urocystidales, Glomosporiaceae; potato smut, thecaphora smut		<i>Solanum stenotomum</i> , <i>Solanum stoloniferum</i> , <i>Solanum nigrum</i> (leunca, nightshade), <i>Solanum tuberosum</i> (kentang, potato), <i>Solanum tuberosum</i> subsp. <i>andigenum</i> , <i>Solanum x chauca</i>	umbi (tubers), tunas (shoots)	
118.	[sm]: <i>Tilletia caries</i> (DC.) Tul., 1847; (Syn. <i>Caeoma sitophilum</i> (Ditmar) Link, 1825, <i>Fusisporium inosculans</i> Berk., 1847, <i>Lycoperdon tritici</i> Bjerck., 1775, <i>Tilletia caries</i> var. <i>agrostidis</i> Auersw., 1865, <i>Tilletia caries</i> var. <i>caries</i> (DC.) Tul. & C. Tul., 1847, <i>Tilletia sitophila</i> (Ditmar) J. Schröt., 1877, <i>Tilletia tritici</i> (Bjerck.) G. Winter, 1874, <i>Tilletia tritici</i> f. <i>tritici</i> (Bjerck.) G. Winter, 1874, <i>Tilletia tritici</i> var. <i>tritici</i> (Bjerck.) G. Winter, 1874, <i>Tilletia tritici</i> subsp. <i>tritici</i> (Bjerck.) G. Winter, 1874, <i>Uredo caries</i> DC., 1815; <i>Uredo sitophila</i> Ditmar,	I	<i>Agropyron</i> spp. (wheat grass), <i>Bromus</i> spp. (brome grasses), <i>Elymus</i> spp. (squirrel tail), <i>Festuca</i> spp. (fescue), <i>Hordeum</i> spp. (jali, barley), <i>Poa</i> spp., <i>Secale sereale</i> (gandum hitam, rye), <i>Lolium</i> spp., <i>Triticum</i> spp. (gandum, wheat)	batang (stems), biji (true seeds), bunga (inflorescences)	Africa: Algeria, Egypt, Ethiopia, Lesotho, Libya, Morocco, South Africa, Tunisia, Uganda, Zimbabwe America: Argentina, Canada, Chile, Colombia, Ecuador, Guatemala, Mexico, Nicaragua, Peru, USA, Uruguay, Venezuela Asia: Afghanistan, Armenia, Azerbaijan, Bhutan, China, India, Iran, Iraq, Israel, Japan, Jordan, Kazakhstan,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM ( <i>SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	INANG/ <i>HOST</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
	1813); Basidiomycota, Ustilaginomycotina, Exobasidiomycetes, Tilletiales, Tilletiaceae; complete bunt, covered smut, hill bunt, rough-spored wheat bunt, stinking smut, wheat bunt, common bunt				Kyrgyzstan, Lebanon, Mongolia, Pakistan, Republic of Korea (South Korea), Saudi Arabia, Syria, Taiwan, Turkey, Uzbekistan Europe: Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Ireland, Italy, Latvia, Lithuania, Moldova, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
					Oceania: Australia, New Zealand
119.	[sm]: <i>Tilletia controversa</i> J. G. Kühn, 1874; (Syn. <i>Tilletia aegilopsidis</i> Golovin, 1952, <i>Tilletia brevifaciens</i> G. W. Fisch., 1952, <i>Tilletia controversa</i> var. <i>controversa</i> J. G. Kühn, 1874, <i>Tilletia nanifica</i> F. Wagner ex Sävul., 1956, <i>Tilletia tritici</i> var. <i>controversa</i> (J. G. Kühn) Kawchuk, 1988, <i>Tilletia tritici</i> subsp. <i>nanifica</i> F. Wagner, 1950, <i>Tilletia tritici-nanifica</i> F. Wagner, 1950); Basidiomycota, Exobasidiomycetes, Tilletiales, Tilletiaceae; dwarf bunt of wheat	I	Agropyron (wheatgrass), Elymus (wildrye), <i>Hordeum vulgare</i> (barli, barley), Poaceae (grasses), <i>Secale cereal</i> (rye), Triticum, <i>Triticum aestivum</i> (gandum, wheat)	batang (stems), biji (true seeds, grains), bunga (flowers, inflorescences, cones, calyx)	Africa: Algeria, Libya, Tunisia America: Canada, USA Asia: Afghanistan, Georgia, Iran, Iraq, Japan, Kazakhstan, Kyrgystan, Syria, Tajikistan, Turkey, Turkmenistan, Uzbekistan Europe: Albania, Armenia, Austria, Bulgaria, Croatia, Czech Republic, Denmark, Greece, Hungary, Italy, Latvia, Luxemburg, Moldova, Montenegro, Poland, Romania, Russian Federation, Slovakia, Slovenia, Sweden, Switzerland, Ukraine
120.	[sm]: <i>Tilletia indica</i> Mitra, 1931;	I	<i>Triticum aestivum</i> (gandum,	biji (true seeds),	Africa: South Africa

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	(Syn. <i>Neovossia indica</i> (Mitra) Mundk., 1941); Basidiomycota, Exobasidiomycetes, Tilletiales, Tilletiaceae; karnal bunt of wheat, Indian bunt of wheat, partial bunt of wheat, new bunt		wheat)	polong (pods)	America: Mexico, USA Asia: Afghanistan, India, Iran, Iraq, Nepal, Pakistan
121.	[sm]: <i>Tilletia laevis</i> J.G. Kühn, 1873; (Syn. <i>Erysibe foetida</i> Wallr., 1833, <i>Tilletia foetems</i> (Berk. & M.A Curtis) Trel., 1884, <i>Tilletia foetida</i> (Wallr.) Liro, 1920, <i>Tilletia tritici</i> var. <i>laevis</i> (J.G. Kühn) Kawchuk, 1988, <i>Ustilago foetens</i> Berk. & M.A Curtis, 1874); Basidiomycota, Exobasidiomycetes, Tilletiales, Tilletiaceae; common bunt, complete bunt, covered smut, hill bunt, smooth-spored wheat bunt, stinking bunt, stinking wheat smut	I	<i>Secale cereal</i> (rye, rye), <i>Triticum aestivum</i> (gandum, wheat)	batang (stems), biji (true seeds), bunga (flowers, inflorescences, cones, calyx), polong (pods)	Africa: Algeria, Angola, Egypt, Ethiopia, Kenya, Lesotho, Libya, Morocco, Somalia, South Africa, Tunisia, Zimbabwe America: Argentina, Canada, Chile, Colombia, Mexico, Peru, USA, Uruguay, Venezuela Asia: Afghanistan, Armenia, Azerbaijan, China, DPR Korea (North Korea), India, Iran, Iraq, Israel, Japan, Kazakhstan, Lebanon, Mongolia, Nepal, Pakistan,

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM ( <i>SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	INANG / <i>HOST</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
					Republic of Korea (South Korea), Saudi Arabia, Syria, Turkey, Turkmenistan, Uzbekistan Europe: Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech, Denmark, Finland, France, Germany, Greece, Hungary, Italy, Latvia, Lithuania, Macedonia, Malta, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Switzerland, Ukraine Oceania: Australia, New Zealand
122.	[c]: <i>Trachysphaera fructigena</i> Tabor &	I	Citrus, <i>Coffea</i> spp. (kopi,	buah (fruits),	Africa: Cameroon,

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	Bunting (1923); Chromista, Oomycota, Peronospora, Peronosporales, Pythiaceae; cigar end rot of banana, berry rot of coffee, fungus rot of banana, mealy pod of cacao, fruit rot of coffee, pod rot of cacao		coffee), <i>Coffea liberica</i> (kopi, <i>Liberian coffee tree</i> ) <i>Musa</i> spp. (pisang, banana), <i>Malus</i> , <i>Persea americana</i> (avokad, avocado), <i>Prunus</i> , <i>Pyrus</i> , <i>Theobroma cacao</i> (kakao, cocoa)	bunga (flowers, inflorescences, cones, calyx), polong (pods)	Central Africa, Chad, Congo, DR Congo, Equatorial Guinea, Gabon, Ghana, Guinea, Ivory Coast, Madagascar, Nigeria, Sierra Leone
123.	[s]: <i>Urocystis agropyri</i> (Preuss) A.A. Fisch. Waldh., 1867; (Syn. <i>Polycystis agropyri</i> (Preuss) J. Schröt., 1877, <i>Tuburcinia agropyri</i> (Preuss) Liro, 1922, <i>Tuburcinia</i> <i>occulta</i> var. <i>agropyri</i> (Preuss) Cif., 1963, <i>Uredo agropyri</i> Preuss, 1848); [a]: - Basidiomycota, Ustilaginomycetes, Urocystidales, Urocystidaceae; flag smut, flag smut of wheat, stem smut, stripe smut	I	<i>Agropyron</i> spp. (wheat grass), <i>Elymus repens</i> (couch grass), <i>Agropyron</i> <i>smithii</i> (western wheat grass), <i>Agrostis stolonifera</i> var. <i>palustris</i> (rumput peking), <i>Agrostis capillaries</i> (common bent), <i>Alopecurus</i> , <i>Avena sativa</i> (oat, oats ), <i>Bromus carinatus</i> (California brome), <i>Bromus</i> <i>marginatus</i> (mountain brome), <i>Carex</i> spp. (swamp grass), <i>Dactylis glomerata</i> (orchard grass), <i>Elymus</i> sp., <i>Festuca rubra</i> (red fescue), <i>Lolium</i> sp., <i>Phleum pretense</i> (Timothy grass), <i>Poa</i> spp.,	batang (stems (above ground), trunks, branches), biji (true seeds, grains), bibit (seedlings), bunga (inflorescences), daun (leaves), malai, tangkai, media tanam (growing media associated with plants ), umbi (bulbs, tubers, corms, rhizomes),	Africa: Algeria, Egypt, Libya, Morocco, South Africa, Tunisia America: Argentina, Bolivia, Canada, Chile, Falkland Islands, Greenland, Guatemala, Mexico, USA, Uruguay, Venezuela Asia: Afghanistan, China, India, Iran, Iraq, Israel, Japan, Kazakhstan, Mongolia, Nepal, Pakistan, Republic of Korea (South Korea), Syria, Taiwan, Turkey, Uzbekistan



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			<i>Trisetum</i> sp., <i>Triticum aestivum</i> (gandum, wheat)	tanaman hasil mikropropagasi (micropropagated plants), tunas (shoots)	Europe: Bulgaria, Cyprus, Czech Republic, Czech Republic, Denmark, Estonia, Finland, France, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand
124.	[sm]: <i>Urocystis cepulae</i> Frost, 1877; (Syn. <i>Tuburcinia cepulae</i> (Frost) Liro, 1922, <i>Tuburcinia magica</i> (Pass.) Liro, 1922, <i>Urocystis colchici</i> var. <i>capulae</i> Cooke, 1877, <i>Urocystis magica</i> Pass., 1875); Basidiomycota, Ustilaginomycetes, Urocystidales, Urocystidaceae;	I	<i>Allium</i> spp., <i>Anthrinum</i> sp. (bunga naga, snap dragon)	batang (stems), umbi (bulbs)	Africa: Egypt, Gabon, Morocco America: Canada, Chile, Cuba, Mexico, Peru, Puerto Rico, Saint Lucia, USA Asia: China, DPR Korea (North Korea),

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	leek smut, onion smut				India, Iran, Iraq, Israel, Japan, Kazakhstan, Nepal, Pakistan, Philippines, Republic of Korea (South Korea), Tajikistan, Taiwan, Thailand Europe: Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Czech Republic, Denmark, Finlandia, France, Germany, Greece, Italy, Malta, Montenegro, Netherlands, North Macedonia, Norway, Poland, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Sweden, Switzerland, United Kingdom Oceania: Australia, New Zealand

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
125.	[sm]: <i>Urocystis gladiolicola</i> Ainsw., 1950; (Syn. <i>Tuburcinia gladiolicola</i> (Ainsw.) Cif., 1963); Basidiomycota, Ustilaginomycetes, Urocystidales, Urocystidaceae; Smut	I	<i>Crocus</i> sp., <i>Gladiolus</i> spp., <i>Scirpus pumilus</i>	daun (leaves), umbi (corms)	Africa: Kenya America: USA Asia: Iran Europe: United Kingdom
126.	[sm]: <i>Ustilago nuda</i> (C. N. Jensen) Kellerm. & Swingle, 1890); (Syn. <i>Ustilago nuda</i> var. <i>hordei</i> C. N. Jensen, 1888, <i>Ustilago nuda</i> var. <i>nuda</i> (C. N. Jensen) Kellerm. & Swingle, 1890, <i>Ustilago nuda</i> var. <i>tritici</i> G.W. Fisch. & C.G. Shaw, <i>Ustilago segetum</i> var. <i>nuda</i> C. N. Jensen, 1888, <i>Ustilago tritici</i> C. Bauhin, 1596, <i>Ustilago vavilovii</i> Jacz., 1925); Basidiomycota, Ustilaginomycetes, Ustilaginales, Ustilaginaceae; barley loose smut	I	<i>Secale sereale</i> (barli, barley), <i>Triticum aestivum</i> (gandum, wheat)	biji (true seeds), bunga (inflorescences), daun (leaves), tangkai malai	Africa: Egypt, Ethiopia, Kenya, Libya, Malawi, Mauritius, Nigeria, Sudan, Tanzania, Uganda, Zambia, Zimbabwe America: Bolivia, Canada, USA Asia: China, India, Iran, Iraq, Pakistan Europe: Austria, Cyprus, Denmark, Finland, Ireland, Italy, Latvia, Malta, Poland, Romania, Russian Federation, Switzerland, Ukraine, United Kingdom

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
					Oceania: Australia, New Zealand
127.	<p>[s]: <i>Venturia inaequalis</i> (Cooke) G. Winter, 1875; (Syn. <i>Didymosphaeria inaequalis</i> (Cooke) Niessl, 1881, <i>Endostigme cinerascens</i> (Rabenh.) Jörst. <i>Endostigme inaequalis</i> (Cooke) Syd., 1923, <i>Mycosphaerella cinerascens</i> (Rabenh.) Vestegr., 1897, <i>Sphaerella cinerascens</i> Rabenh., 1865, <i>Sphaerella inaequalis</i> Cooke, 1866, <i>Venturia inaequalis</i> var. <i>cinerascens</i> (Rabenh.) Aderh., 1897, <i>Venturia inaequalis</i> var. <i>inaequalis</i> (Cooke) G. Winter, 1875);</p> <p>[a]: <i>Cladosporium dendriticum</i> Wallr., 1833; (Syn. <i>Cladosporium dendriticum</i> var. <i>dendriticum</i> Wallr., 1833, <i>Cladosporium dendriticum</i> var. <i>heteromeles</i> Harkn., 1881, <i>Fusicladium amelanchieris</i> (Sacc.) Oliviera, <i>Fusicladium dendriticum</i></p>	I	<i>Crataegus laevigata</i> , <i>Cotoneaster</i> , <i>Malus baccata</i> (siberian crab apple), <i>Malus domestica</i> (apel, apple), <i>Malus floribunda</i> , <i>Malus</i> , <i>Pyracantha</i> , <i>Pyrus communis</i> (pir, pear), <i>Sorbus</i> , <i>Viburnum</i>	batang (stems (above ground), trunks, branches), buah (fruits), bunga (flowers, inflorescences, cones, calyx), daun (leaves), polong (pods), tunas (shoots)	Africa: Egypt, Ethiopia, Ghana, Kenya, Libya, Morocco, South Africa, Zimbabwe America: Argentina, Bolivia, Brazil, Canada, Chile, Colombia, Guatemala, Mexico, Peru, USA, Uruguay Asia: Afghanistan, Bhutan, China, DPR Korea (North Korea), India, Iran, Iraq, Israel, Japan, Jordan, Lebanon, Pakistan, Republic of Korea (South Korea), Saudi Arabia, Syria, Turkey Europe: Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech, Denmark,

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	<p>(Wallr.) Fuckel, 1870, <i>Fusicladium dendriticum</i> f. <i>dendriticum</i> (Wallr.) Fuckel, 1870, <i>Fusicladium dendriticum</i> var. <i>dendriticum</i> (Wallr.) Fuckel, 1870, <i>Fusicladium dendriticum</i> var. <i>eriobotryae</i> Scalia, 1901, <i>Fusicladium dendriticum</i> var. <i>eriobotryae</i> Scalia, 1901, <i>Fusicladium dendriticum</i> f. <i>fruticola</i> Ferraris, 1910, <i>Fusicladium dendriticum</i> f. <i>microsperma</i> Roum., 1891, <i>Fusicladium dendriticum</i> var. <i>opuli</i> Thüm., 1874, <i>Fusicladium dendriticum</i> var. <i>soraueri</i> (Thüm.) Sacc., 1886, <i>Fusicladium dendriticum</i> var. <i>sorbi-torminalis</i> Sävul. &amp; Sandu, 1933, <i>Fusicladium dendriticum</i> var. <i>sorbinum</i> Sacc., 1905, <i>Fusicladium pomi</i> (Fr.) Lind, 1913, <i>Fusicladium pyrorum</i> var. <i>amelanchieris</i> Sacc., 1886, <i>Napicladium soraueri</i> Thüm., 1875, <i>Passalora dendritica</i> (Wallr.) Sacc., 1878, <i>Passalora dendritica</i> var. <i>dendritica</i> (Wallr.) Sacc., 1878,</p>				<p>Finland, France, Germany, Greece, Hungary, Ireland, Italy, Macedonia, Malta, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Sweden, Switzerland, United Kingdom Oceania: Australia, New Zealand</p>

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	<i>Spilocaea pomi</i> Fr., 1819, <i>Spilosticta cinerascens</i> (Rabenh.) Petr., 1947, <i>Spilosticta inaequalis</i> (Cooke) Petr., 1940); Ascomycota; Dothideomycetes, Venturiales; Venturiaceae; apple scab, apple black spot, apple scab, black spot				

9. BAKTERI (BACTERIA)

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
1.	<i>Acetobacter aceti</i> (Pasteur, 1864) Beijerinck 1898; (Syn. <i>Bacterium aceti</i> Beij, <i>Mycoderma aceti</i> Pasteur); pink disease of pineapple	I	<i>Ananas comosus</i> (nanas, pineapple), <i>Carica papaya</i> (pepaya, papaya), <i>Malus domestica</i> (apel, apple), <i>Musa</i> sp. (pisang, banana), <i>Pyrus communis</i> (pir, pear)	buah (fruits)	America: USA Asia: Philippines Oceania: Australia
2.	<i>Burkholderia andropogonis</i> (Smith	I	<i>Bougainvillea</i> spp. (bogenvil,	bibit (seedlings),	Africa: Egypt, Ethiopia,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	<p>1911) Gillis <i>et al.</i> 1995; (Syn. <i>Aplanobacter stizolobii</i> Wolf 1920, <i>Bacterium andropogonis</i> Smith 1911, <i>Bacterium stizolobii</i> (Wolf) McCulloch 1920, <i>Bacterium Woodsii</i> Smith 1911, <i>Phytobacterium andropogonis</i> (Smith) Magrou and Prevot 1948, <i>Phytobacterium Stizolobii</i> (Wolf) Magrou and Prevot 1948, <i>Phytobacterium woodsii</i> Smith) Magrou and Prevot 1948, <i>Phytomonas andropogonis</i> (Smith) Bergey <i>et al.</i> 1930, <i>Phytomonas stizolobii</i> (Wolf) Bergey <i>et al.</i> 1930, <i>Phytomonas Woodsii</i> (Smith) Bergey <i>et al.</i> 1930, <i>Pseudomonas andropogonis</i> (Smith 1911) Stapp 1928, <i>Pseudomonas andropogonis</i> pv. <i>stizolobii</i> (Wolf) Palleroni 1984, <i>Pseudomonas stizolobii</i> (Wolf) Stapp 1935, <i>Pseudomonas Woodsii</i> (Smith 1911) Stevens 1925); bacterial leaf stripe, striping</p>		<p>bougenville), <i>Ceratonia siliqua</i> (locust bean), <i>Cicer arietinum</i> (kacang arab, chickpea), <i>Dianthus</i> spp. (anyelir, carnation), <i>Dypsisis lutescens</i> (golden cane palm), <i>Gypsophila paniculata</i> (baby's breath), <i>Limonium sinuatum</i> (sea pink), <i>Ruscus</i>, <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Simmondsia chinensis</i> (jojoba), <i>Triticum aestivum</i> (gandum, wheat), <i>Trifolium repens</i> (semanggi, white clover), <i>Vicia sativa</i> (common vetch), <i>Trifolium pratense</i> (purple clover), <i>Trifolium subterraneum</i>, <i>Tulipa</i> (tulip), <i>Vaccinium</i> (blueberries), <i>Zea mays</i> (jagung, corn, maize)</p>	<p>bunga (inflorescences) jaringan meristem (meristem tissues), tanaman hasil mikropropagasi (micropropagate d plants), tunas (buds, shoots)</p>	<p>Kenya, Nigeria, Rwanda, South Africa, Sudan, Togo, Uganda, Zambia, Zimbabwe America: Argentina, Brazil, Canada, Costa Rica, Cuba, El Salvador, Haiti, Honduras, Mexico, USA, Uruguay, Venezuela Asia: Brunei Darussalam, China, Hong Kong, Iraq, Japan, Pakistan, Philippines, Taiwan, Thailand, Europe: Bulgaria, Hungary, Italy, Poland, Portugal, Russian Federation, Oceania: Australia, Federated States of Micronesia, New Zealand</p>

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
3.	<i>Burkholderia gladioli</i> pv. <i>agaricicola</i>	I	Edible Mushroom (jamur tiram)	part of mushroom	Asia: Japan Europe: United Kingdom Oceania: New Zealand
4.	<i>Burkholderia gladioli</i> pv. <i>alliicola</i> (Burkholder 1942) Comb. nov; (Syn. <i>Phytomonas alliicola</i> Burkholder 1942, <i>Pseudomonas alliicola</i> (Burkholder) Starr and Burkholder 1942, <i>Pseudomonas gladioli</i> pv. <i>alliicola</i> (Burkholder 1942) Young <i>et al.</i> , 1978); slippery skin of onion	I	<i>Allium ascalonicum</i> (bawang merah, shallot) <i>Allium cepa</i> (bawang bombay, onion), <i>Daucus carota</i> (wortel, carrot), <i>Iris</i> sp. (irises), <i>Narcissus tazetta</i> (Polyanthus narcissus) dan <i>Tulipa</i> sp. (tulip)	akar (roots), bunga (inflorescences), daun (leaves), media tanam (growing media), sisa tanaman (plant debris), tanah (soils), umbi (bulbs, corms, tubers)	America: Brazil, USA Asia: Israel, Republic of Korea (South Korea) Europe: Slovenia, United Kingdom Oceania: Australia, New Zealand
5.	<i>Burkholderia gladioli</i> pv. <i>gladioli</i> (Severini) Yabuuchi <i>et al.</i> 1993; (Syn. <i>Bacterium gladioli</i> (Severini) Elliott 1930, <i>Bacterium marginatum</i> McCulloch 1921, <i>Chlorobacter marginatus</i> (McCulloch) Patel and Kulkarni 1951, <i>Phytomonas gladioli</i> (Severini) Magrou 1937, <i>Phytomonas marginata</i> (McCulloch) Bergey <i>et al.</i>	I	<i>Asplenium nidus</i> (bird's nest fern), <i>Crocus sativus</i> (saffron), <i>Eustoma grandiflorum</i> (Lisianthus (cut flower crop), <i>Gladiolus</i> spp., <i>Iris</i> sp. (irises), <i>Iris germanica</i> (German iris), <i>Ixia maculata</i> , Orchidaceae, <i>Oryza sativa</i> (padi, paddy,	akar (roots), batang (stems), buah (fruits), bulir padi (rice seeds), bunga (inflorescences) daun (leaves), media tanam (growing	Africa: Algeria, Egypt, South Africa, Zimbabwe America: Argentina, Brazil, Canada, Chile, USA Asia: China, India, Israel, Japan, Thailand Europe: Austria,



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	1923, <i>Pseudomonas gladioli</i> Severini 1913, <i>Pseudomonas marginata</i> (McCulloch) Stapp 1928); bacterial scab of <i>Gladiolus</i> spp., blight of <i>Gladiolus</i> spp.; gladiolus scab; leaf spot of <i>Gladiolus</i> spp.; neck rot of <i>Gladiolus</i> spp.; rot of stem bases ( <i>Gladiolus</i> ), busuk umbi		rice), <i>Poa annua</i> (annual meadowgrass), <i>Solanum tuberosum</i> (kentang, potato), <i>Trigida pavonia</i> (Common tiger-flower)	media), umbi (bulbs, corms, tubers)	Belarus, Belgium, Czech Republic, Finland, France, Germany, Italy, Netherlands, Romania, Russian Federation Oceania: Australia, New Caledonia
6.	<i>Clavibacter michiganensis</i> subsp. <i>nebraskensis</i> (Vivader and Mandel 1974) Davis <i>et al.</i> 1984; (Syn. <i>Corynebacterium michiganense</i> pv. <i>nebraskense</i> (Vivader and Mandel 1974) Davis <i>et al.</i> 1984, <i>Corynebacterium michiganense</i> subsp. <i>nebraskense</i> Vivader and Mandel 1974) Carlson and Vivader 1982, <i>Corynebacterium nebraskense</i> Vivader and Mandel 1974); goss's bacterial wilt and leaf blight, leaf freckles and wilt	I	<i>Echinochloa crus-galli</i> (barnyard grass), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Sorghum sudanense</i> (Sudan grass), <i>Triticum aestivum</i> (gandum, wheat), <i>Zea mays</i> (jagung, corn, maize), <i>Zea mexicana</i> (teosinte)	akar (roots), biji (true seed), batang (stems), bunga (inflorescences), buah (fruits), bibit (seedlings), daun (leaves), tanaman hasil mikropropagasi (micropropagate d plants)	America: Canada, USA
7.	<i>Clavibacter michiganensis</i> subsp. <i>sepedonicus</i> (Spieckermann and Kotthoff) Davis <i>et al.</i> ; (Syn. <i>Aplanobacter sepedonicus</i>	I	<i>Lycopersicon pimpinellifolium</i> (currant tomato), <i>Solanum tuberosum</i> (kentang, potato), <i>Solanum</i>	akar (roots), batang (stems), biji (true seed), bunga,	America: Canada, Costa Rica, Haiti, Mexico, Panama, Peru, USA, Venezuela

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	<p>(Spieckermann and Kottoff) Smith 1920, <i>Bacterium sepedonicum</i> Spieckermann and Kottoff 1914, <i>Corynebacterium michiganense</i> pv. <i>sepedonicum</i> (Spieckermann and Kottoff) Dye and Kemp 1977, <i>Corynebacterium michiganense</i> subsp. <i>sepedonicum</i> (Spieckermann and Kottoff 1914) Carlson and Vivader 1982, <i>Corynebacterium sepedonicum</i> (Spieckermann and Kottoff 1914) Skaptason and Burk. 1942, <i>Mycobacterium sepedonicum</i> (Spieckermann and Kottoff) Krasil'nikov 1949, <i>Phytomonas sepedonica</i> (Spieckermann and Kottoff) Magrou 1937, <i>Pseudobacterium sepedonicum</i> (Spieckermann and Kottoff) Krasil'nikov 1949); bacterial ring rot, potato ring rot</p>		<p><i>lycopersicum</i> (tomat, tomato), <i>Solanum melongena</i> (terung, eggplant, aubergine)</p>	<p>(inflorescence), buah (fruits), bibit (seedlings), daun (leaves), media tanam (growing media), tanaman hasil mikropropagasi (micropropagated plants), tanah (soils), umbi (bulb, corm, tuber)</p>	<p>Asia: China, DPR Korea (North Korea), Japan, Kazakhstan, Nepal, Pakistan, Republic of Korea (South Korea) Taiwan, Turkey, Uzbekistan, Vietnam Europe: Austria, Belarus, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungaria, Irlandia, Italy, Latvia, Lithuania, Netherlands, Norway, Poland, Russian Federation, Slovakia, Slovenia, Spain, Switzerland, Sweden, Ukraine, Romania, United Kingdom</p>

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8.	<p><i>Curtobacterium flaccumfaciens</i> pv. <i>flaccumfaciens</i> (Hedges 1922) Collins and Jones 1983; (Syn. <i>Bacterium flaccumfaciens</i> Hedges 1922, <i>Corynebacterium flaccumfaciens</i> pv. <i>flaccumfaciens</i> (Hedges 1922) Dowson 1942, <i>Corynebacterium flaccumfaciens</i> ssp. <i>flaccumfaciens</i> (Hedges 1922) Dowson 1942, <i>Phytomonas flaccumfaciens</i> (Hedges 1922) Bergey et al. 1923, <i>Pseudomonas flaccumfaciens</i> (Hedges 1922) Stevens 1925); bacterial wilt of bean, vascular wilt of bean, bacterial tan spot</p>	I	<p><i>Glycine max</i> (kedelai, soyabean), <i>Ipomoea</i> (morning glory), <i>Lablab purpureus</i> (hyacinth bean), <i>Phaseolus coccineus</i> (runner bean), <i>Phaseolus lunatus</i> (lima bean), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Vigna radiata</i> (kacang hijau, mungbean), <i>Vigna</i> spp. (kacang panjang, cowpea), <i>Zea mays</i> (jagung, corn, maize), <i>Zornia</i>. spp.</p>	<p>benih (seeds), biji (true seed), buah (fruits), batang (stems), bibit (seedlings), planlet tanaman hasil mikropropagasi (micropropagated plants),</p>	<p>Africa: Mauritius, Tunisia America: Brazil, Canada, Colombia, Mexico, USA, Venezuela Asia: Iran Europe: Albania, Bosnia and Herzegovina, Croatia, France, Germany, Montenegro, North Macedonia, Portugal, Romania, Russian Federation, Serbia, Slovenia, Switzerland, Oceania: Australia</p>
9.	<p><i>Dickeya chrysanthemi</i> (Burkholder et al., 1953) Samson 2005; (Syn. <i>Dickeya chrysanthemi</i> bv. <i>chrysanthemi</i> (Burkholder et al. 1953) Samson et al. 2005, <i>Dickeya chrysanthemi</i> bv. <i>parthenii</i> (Starr 1947) comb. Nov, <i>Dickeya chrysanthemi</i> pv. <i>chrysanthemi</i> (Burkholder et al. 1953)</p>	I	<p><i>Aechmea fasciata</i>, <i>Anemone</i>, <i>Aglaonema commutatum</i>, <i>Ananas comosus</i> (nanas, pineapple), <i>Apium graveolens</i> (seledri, celery), Araceae, <i>Aglaonema</i>, <i>Aloe vera</i> (lidah buaya), <i>Allium</i> spp. (bawang-</p>	<p>batang (stems), biji (seeds), daun (leaves), media tanam (growing media), tanah (soils), umbi (bulbs, corms,</p>	<p>Africa: Algeria, Comoros, Congo, Egypt, Ivory Coast, Kenya, Mauritius, Morocco, Reunion, Senegal, South Africa, Sudan, Zimbabwe America: Aruba,</p>

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	<p>Samson <i>et al.</i> 2005, <i>Dickeya chrysanthemi</i> pv. <i>parthenii</i> (Starr 1947) Samson <i>et al.</i> 2005, <i>Erwinia carotovora</i> var. <i>Parthenii</i> Starr, <i>Erwinia carotovora</i> var. <i>chrysanthemi</i> (Burkholder <i>et al.</i> 1953) Dye 1969, <i>Erwinia chrysanthemi</i> pv. <i>parthenii</i> (Starr 1947) Dye 1978, <i>Pectobacterium carotovorum</i> f. sp <i>chrysanthemi</i> (Burkholder <i>et al.</i> 1953) Dowson 1957, <i>Pectobacterium chrysanthemi</i> pv. <i>Chrisanthemi</i> Burkholder <i>et al.</i> 1953) Brenner <i>et al.</i> 1973 emend. Hauben <i>et al.</i> 1999, <i>Pectobacterium chrysanthemi</i> pv. <i>Parthenii</i> (Starr 1947) Young <i>et al.</i> 2004, <i>Pectobacterium parthenii</i> Hellmers 1958, <i>P. parthenii</i> var. <i>chrysanthemi</i> (Burkhoder <i>et al.</i> 1953) Hellmers 1958, <i>Pectobacterium parthenii-dianthicola</i> Hellmers); bacterial wilt and soft rot of chrysanthemum and other ornamentals, bacterial soft rot, soft rot <i>Erwinia</i>, blackleg and soft rot of potato</p>		<p>bawangan), <i>Begonia</i>, <i>Brachiaria</i>, <i>Brassica oleraceae</i> var. <i>botrytis</i> (kol bunga, cauliflower), <i>Brachiaria mutica</i>, <i>Brassica oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Capsicum annuum</i> (paprika, cabai, bell-pepper), <i>Celosia argentea</i>, <i>Cichorium endivia</i> (andewi, endevi), <i>Cichorium intybus</i>, <i>Canna</i>, <i>Consolida ambigua</i>, <i>Cucumis melo</i> (melon, muskmelon), <i>Colocasia esculenta</i> (talas, taro), <i>Cynara scolimus</i> (artichoke), <i>Cyclamen</i>, <i>Chrysanthemum</i> spp., <i>Dieffenbachia</i>, <i>Dianthus</i>, <i>Dracaena marginata</i>, <i>Dahlia pinnata</i>, <i>Daucus carota</i> (wortel, carrot), <i>Dieffenbachia maculata</i>, <i>Dianthus</i> spp. (anyelir, carnation), <i>Elettaria</i></p>	<p>tubers)</p>	<p>Bolivia, Brazil, Canada, Colombia, Costa Rica, Cuba, Ecuador, French Guiana, Guadeloupe, Guatemala, Guyana, Haiti, Honduras, Jamaica, Martinique, Panama, Peru, Puerto Rico, Saint Lucia, USA, Venezuela Asia: Bangladesh, China, DPR Korea (North Korea), India, Iran, Israel, Japan, Malaysia, Nepal, Philippines, Republic of Korea (South Korea), Saudi Arabia, Sri Lanka, Syria, Taiwan Europe: Austria, Belarus, Belgium, Bosnia and Herzegovina, Croatia, Denmark, Finland, France, Germany,</p>

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			<p><i>cardamomum</i> (kapulaga, cardamom), <i>Euphorbia pulcherrima</i> (kastuba, poinsettia), <i>Helianthus annuus</i> (bunga matahari, sunflower), <i>Hyacinthus</i>, <i>Imperata cylindrica</i> (alang-alang, bedding grass), <i>Ipomoea batatas</i> (ubi rambat, sweet potato), <i>Kalanchoe blossfeldiana</i> (cocor bebek, florist kalanchoe), <i>Lactuca sativa</i> (selada, lettuce) <i>Medicago sativa</i> (alfalfa, lucerne), <i>Musa paradisiaca</i> (pisang kepok, plantain), <i>Musa textilis</i> (pisang abaka, abaca), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Oryza sativa</i> (padi, paddy, rice), <i>Paspalum</i>, <i>Parthenium argentatum</i>, <i>Panicum maximum</i> (rumput benggala, Guinea grass),</p>		<p>Greece, Hungary, Italy, Montenegro, North Macedonia, Poland, Portugal, Romania, Russian Federation, Serbia, Slovenia, Spain, Sweden, Switzerland, United Kingdom (England, Scotland), Ukraine Oceania: Australia, Cook Islands, New Zealand, Papua New Guinea, Solomon Islands</p>

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			<p><i>Pennisetum purpureum</i> (rumput gajah, elephant grass), <i>Philodendron</i> spp., <i>Pelargonium zonale</i> hybrids, <i>Petunia hybrida</i>, <i>Philodendron</i>, <i>Phalaenopsis</i> sp. (anggrek bulan, moth orchid), <i>Pyrus communis</i> (pir, pear), <i>Raphanus sativus</i> (lobak, radish), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Sedum spectabile</i>, <i>Saintpaulia ionantha</i>, <i>Solanum melongena</i> (terung, eggplant, aubergine) <i>Solanum tuberosum</i> (kentang, potato), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Syngonium podophyllum</i>, <i>Tagetes patula</i> (French marigold),</p>		

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			<i>Tulip</i> spp. (tulip), <i>Vanda</i> , <i>Xanthosoma caracu</i> (yautia horqueta),		
10.	<i>Dickeya dadantii</i> Samson <i>et al.</i> 2005; (Syn. <i>Dickeya dadantii</i> subsp. <i>dadantii</i> (Samson <i>et al.</i> 2005) Brady <i>et al.</i> 2011, <i>Dickeya dadantii</i> subsp. <i>dieffenbachiae</i> (Samson <i>et al.</i> 2005) Brady <i>et al.</i> 2011, <i>Erwinia chrysanthemi</i> pv. <i>dieffenbachiae</i> (McFadden 1961) Dye 1978, <i>Erwinia dieffenbachiae</i> McFadden 1961), <i>Pectobacterium</i> <i>chrysanthemi</i> pv. <i>dieffenbachiae</i> (McFadden 1961) Young <i>et al.</i> 2004); bacterial wilt and soft rot of ornamentals and potato	I	<i>Amorphophallus konjac</i> (konjac), <i>Ananas comosus</i> (nanas, pineapple), <i>Dieffenbachia</i> sp. (dumbcanes), <i>Dianthus</i> spp. (anyelir, carnation), <i>Euphorbia</i> sp., <i>Ipomoea</i> <i>batatas</i> (ubi jalar, sweet potato), <i>Musa</i> sp. (pisang, banana), <i>Pelargonium</i> sp., <i>Petunia</i> hybrid, <i>Phalaenopsis</i> sp. (anggrek bulan, moth orchid) <i>Philodendron</i> sp., <i>Solanum</i> <i>tuberosum</i> (kentang, potato), <i>Saintpaulia</i> sp., <i>Tagetes patula</i> (French marigold), <i>Zea mays</i> (jagung, corn, maize),	batang (stems), daun (leaves), media tanam (growing media), tanah (soils), umbi (bulbs, corms, tubers)	America: Honduras, Puerto Rico, USA Asia: China, Taiwan Europe: Belgium, France, Germany, Italy, United Kingdom
11.	<i>Dickeya dianthicola</i> Samson <i>et al.</i> 2005; (Syn. <i>Erwinia carotovora</i> f.sp.	I	<i>Begonia</i> sp., <i>Chrysanthemum</i> sp. (krisan, chrysanthemum), <i>Cichorium</i>	akar (roots), batang (stems), daun (leaves),	America: USA Asia: Japan, Pakistan Europe: Belgium,

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	<i>dianthicola</i> (Hellmers) Bakker 1957, <i>Erwinia chrysanthemi</i> pv. <i>dianthi</i> (Alivizatos 1979, <i>Erwinia chrysanthemi</i> pv. <i>dianthicola</i> (Hellmers) Bakker and Scholten 1961, <i>Pectobacterium carotovorum</i> var. <i>dianthicola</i> Hellmers 1958, <i>Pectobacterium chrysanthemi</i> pv. <i>dianthicola</i> (Hellmers 1958) Young et al. 2004, <i>Pectobacterium parthenii</i> var. <i>dianthicola</i> Hellmers 1958); slow wilt of dianthus and potato, soft rot		sp. (Chicory), <i>Cynara</i> sp. (Artichoke), <i>Daucus carota</i> (wortel, carrot), <i>Dahlia</i> sp. (dahlia), <i>Dianthus</i> spp. (anyelir, carnation), <i>Freesia</i> sp., <i>Hyacinthus</i> sp., <i>Iris</i> sp., <i>Kalanchoe</i> sp. (cocor bebek), <i>Sedum spectabile</i> (showy stonecrops), <i>Smallanthus sonchifolius</i> (yacon), <i>Solanum tuberosum</i> (kentang, potato), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Zantedeschia</i> sp. (calla-lilies)	media tanam (growing media), tanah (soils), umbi (bulbs, corms, tubers)	Bulgaria, Denmark, Finland, France, Germany, Greece, Italy, Jersey, Netherlands, Poland, Romania, Sweden, Switzerland, United Kingdom Oceania: Australia, New Zealand
12.	<i>Dickeya dieffenbachiae</i> (Samson et al. 2005); soft rot, bacterial leaf rot of dieffenbachia	I	<i>Dieffenbachia</i> spp., <i>Musa</i> spp. (pisang, banana), <i>Phalaenopsis</i> spp. (anggrek bulan, moth orchid), <i>Solanum lycopersicum</i> (tomat, tomato)	batang (stems), daun (leaves), media tanam (growing media), tanah (soils), umbi (bulbs, corms, tubers)	America: Honduras, Puerto Rico, USA Asia: China Europe: Belgium, France, Germany, Italy, United Kingdom
13.	<i>Dickeya paradisiaca</i> (Fernandez-	I	<i>Ananas comosus</i> (nanas,	bahan	America: Cuba,



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	Borrero and Lopez-Duque 1970) Samson <i>et al.</i> 2005; (Syn. <i>Brenneria paradisiaca</i> (Fernandez-Borrero and Lopez-Duque 1970) Hauben <i>et al.</i> 1999, <i>Erwinia</i> <i>carotovora</i> var. <i>paradisiaca</i> Victoria and Barrios 1969), <i>Erwinia</i> <i>chrysanthemi</i> pv. <i>paradisiaca</i> (Victoria and Barros 1969) Dickey and Victoria 1980, <i>Erwinia musae</i> Warren 1972, <i>Erwinia paradisiaca</i> Fernandez- Borrero and Lopez-Duque 1970); soft rot, wilt, rhizome rot, fruit soft rot of banana		pineapple), <i>Begonia</i> sp., <i>Canna</i> sp., <i>Capsicum</i> <i>annuum</i> (paprika, bell pepper), <i>Euphorbia</i> <i>pulcherrima</i> (poinsettia), <i>Musa</i> sp. (pisang, banana), <i>Pennisetum purpureum</i> (rumput gajah, elephant grass), <i>Solanum tuberosum</i> (kentang, potato), <i>Urochloa</i> <i>mutia</i> (para grass), <i>Zea</i> <i>mays</i> (jagung, corn, maize).	perbanyak vegetatif (vegetative propagation material), batang (stems), daun (leaves), media tanam (growing media), tanah (soils)	Guatemala, Honduras, Jamaica, Panama, Colombia, Venezuela Asia: India Oceania: Papua New Guinea
14.	<i>Dickeya solani</i> van der Wolf <i>et al.</i> , 2014; black leg, slow wilt, soft rot, black leg disease of potato	I	<i>Cyperus rotundus</i> (rumput teki, purple nutsedge), <i>Hyacinthus orientalis</i> (hyacinth), <i>Solanum</i> <i>tuberosum</i> (kentang, potato)	batang (stems), daun (leaves), media tanam (growing media), tanah (soils), umbi (bulbs, corms, tubers)	America : Brazil Asia : Israel, Turkey Europe: Belgium, Czech Republic, Denmark, Finland, France, Georgia Republic of, Germany, Greece, Crete, Poland, Netherlands, Norway, Russian Federation, Spain, Slovenia,

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					Sweden, Switzerland, United Kingdom
15.	<i>Erwinia amylovora</i> (Burrill 1882) Winslow <i>et al.</i> 1920; (Syn. <i>Bacillus amylovorus</i> (Burrill) Trevisan, 1889, <i>Bacterium amylovorum</i> (Chester 1901), <i>Erwinia amylovora</i> f.sp. <i>rubi</i> Starr <i>et al.</i> 1951, <i>Micrococcus</i> <i>amylovorus</i> Burrill 1882); fire blight	I	<i>Amelanchier</i> spp., <i>Cydonia</i> <i>oblonga</i> (quince), <i>Fragaria</i> <i>vesca</i> (stroberi, strawberry), <i>Malus domesticum</i> (apel, apple), <i>Prunus dulcis</i> (badam, almond), <i>Prunus</i> <i>americana</i> (aprikot, apricot), <i>Prunus cerasus</i> (ceri, cherry), <i>Pyrus communis</i> (pir, pear), <i>Prunus persica</i> (persik, peach), Rosaceae, <i>Rubus</i> spp., <i>Sorbus</i> spp.	batang (stems), bibit (seedlings), buah (fruits), bunga (inflorescences), daun (leaves), kayu (woods), tanaman hasil mikropropagasi (micropropagate d plants/ planlet), tunas (buds, shoots)	Africa: Algeria, Egypt, Morocco, Tunisia America: Bermuda, Canada, Guatemala, Mexico, USA Asia: India, Iran, Israel, Jordan, Kazakhstan, Kyrgystan, Lebanon, Republic of Korea (South Korea), Saudi Arabia, Syria, Turkey, Vietnam Europe: Armenia Albania, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, France, Germany, Greece, Hungary, Ireland, Italy,

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					Latvia, Lithuania, Luxemburg, Moldova, Montenegro, Netherlands, North Macedonia, Norway, Poland, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: New Zealand
16.	<i>Erwinia rhapontici</i> (Millard 1924) Burkholder 1948; (Syn. <i>Aplanobacter rhapontici</i> (Millard) Elliott 1930, <i>Bacillus rhapontici</i> (Millard) White 1936, <i>Bacterium rhapontici</i> Millard 1924, <i>Erwinia carotovora</i> var. <i>rhapontici</i> (Millard) Dye, <i>Pectobacterium rhapontici</i> (Millard 1924) Patel and Kulkarni 1951, <i>Phytomonas rhapontici</i> Millard 1924, <i>Pseudobacterium rhapontici</i> (Millard) Krasil'nikov 1949, <i>Xanthomonas</i>	I	<i>Actinidia chinensis</i> (Chinese kiwi fruit), <i>Allium cepa</i> (bawang bombay, onion), <i>Allium sativum</i> (bawang putih, garlic), <i>Amaranthus hybridus</i> (bayam kakap, smooth pigweed), <i>Armoracia rusticana</i> (lobak pedas, horseradish), <i>Beta vulgaris</i> var. <i>saccharifera</i> (bit gula, sugar beet), <i>Cichorium</i> (chicory), <i>Cyclamen</i>	akar (roots), batang (stems), bibit (seedlings), biji (true seed), buah (fruits), media tanam (growing media), planlet, rimpang (rhizome), umbi lapis (corms)	America: Canada, Mexico, USA Asia: China, Iran, Israel, Japan, Korea, Malaysia Europe: Belgium, Czech Republic, France, Italy, Lithuania, Netherlands, Norway, Poland, Slovakia, Ukraine, United

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	<i>rhapontici</i> (Millard) Savulescu 1947); rhubarb crown rot; wheat pink seed; cereal pink grain		<i>persicum</i> (cyclamens), <i>Dianthus</i> (anyelir, carnation), <i>Hippeastrum</i> , <i>Hyacinthus orientalis</i> (hyacinth), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Morus</i> (mulberry tree), <i>Morus alba</i> (white mulberry), <i>Pisum</i> <i>sativum</i> (kapri, sweet pea), Pyrus (pir, pear), <i>Rheum</i> <i>hybridum</i> (rhubarb), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Triticum</i> (wheat), <i>Triticum aestivum</i> (gandum, wheat)		Kingdom (England, Wales) Oceania: Australia
17.	<i>Erwinia tracheiphila</i> Smith 1895; (Syn. <i>Bacillus tracheiphilus</i> Smith 1895, <i>Bacillus tracheiphilus</i> f.sp. <i>cucumis</i> , <i>Bacterium tracheiphilum</i> (Smith) Chester 1897, <i>Erwinia</i> <i>amylovora</i> var. <i>tracheiphila</i> (Smith) Dye 1968); Cucurbit bacterial wilt	I	<i>Cucumis sativus</i> (mentimun, cucumber), <i>Cucumis melo</i> (melon, muskmelon), <i>Cucurbita</i> <i>maxima</i> (waluh, labu parang, pumpkin), <i>Citrullus</i> <i>vulgaris</i> (semangka, watermelon), <i>Cucurbita</i> <i>moschata</i> (pumpkin),	akar (roots), batang (stems), bibit (seedlings), bunga (inflorescence), daun (leaves), tanaman hasil mikropropagasi (micropropagate	Africa: DR Congo, South Africa America: Canada, Honduras, Peru, USA Asia: China, DPR (North Korea), Iran, Iraq, Japan, Republic of Korea (South Korea), Taiwan, Thailand

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			<i>Cucurbita pepo</i> (labu kuning, zukini, zuchini), Cucurbitaceae	d plants) Vektor: <i>Acalymma vittata</i> (Coleoptera, <i>Chrysomelidae</i> )	Europe: Czech Republic, Lithuania, Russian Federation, Slovakia Oceania: Australia
18.	<i>Herbaspirillum rubrisubalbicans</i> (Christopher and Edgerton 1930) Baldani <i>et al.</i> 1996; (Syn. <i>Bacterium rubrisubalbicans</i> (Christoper and Edgerton 1930) Burgvits 1935, <i>Phytomonas rubrisubalbicans</i> Christopher and Edgerton 1930, <i>Pseudomonas rubrisubalbicans</i> (Christopher and Edgerton 1930) Krasil'nikov 1949, and <i>Xanthomonas rubrisubalbicans</i> (Christopher and Edgerton 1930) Savelescu 1947); mottled stripe of sugarcane, bacterial leaf stripe of sorghum, bacterial stripe	I	<i>Oryza sativa</i> (padi, paddy, rice), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Sorghum halepense</i> (Johnson grass), <i>Zea mays</i> (jagung, corn, maize)	Batang (stems), daun (leaves)	Africa: Angola, Benin, Burundi, Central Africa, Ivory Coast, Madagascar, Malawi, Mauritius, Nigeria, Réunion, South Africa, Tanzania, Togo America: Barbados, Brazil, Colombia, Cuba, Guadeloupe, Jamaica, Martinique, Nicaragua, Panama, Peru, Puerto Rico, USA, Venezuela, Asia: China, Japan, Sri Lanka, Thailand Oceania: Australia, Fiji, New Zealand
19.	<i>Pantoea agglomerans</i> Gavini <i>et al.</i>	I	<i>Abelmoschus moschatus</i>	akar (roots),	Africa: South Africa,

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	<p>1989; (Syn. <i>Bacterium herbicola</i> Geilinger, <i>Bacterium typhi-flavum</i> Breed, <i>Corynebacterium beticola</i> Abdou 1969, <i>Enterobacter agglomerans</i> (Beijerinck 1888) Ewig and Fife 1972, <i>Enterobacter agglomerans</i> pv. <i>Millettiae</i> (Kawakami and Yoshida 1920), <i>Erwinia herbicola</i> (Lohnis 1911) Dye 1964, <i>Erwinia herbicola</i> pv. <i>Millettiae</i> (Kawakami and Yoshida 1920) Goto <i>et</i> <i>al.</i> 1980, <i>Erwinia lathyri</i> (Manns and Taubenhaus) Magrou 1937, <i>Erwinia</i> <i>mangiferae</i> (Doidge) Bergey <i>et al.</i> 1923, <i>Erwinia millettiae</i> (Kawakami and Yoshida 1920) Magrou 1937, <i>Erwinia</i> <i>vitivora</i> (Baccarini) du Plessis 1940, <i>Flavobacterium herbicola</i> (Lohnis) Mack 1936, <i>Falvobacterium rhenanum</i> (Migula) Bergey <i>et al.</i> 1923, <i>Flavobacterium trifolii</i> (Huss) Bergey <i>et</i> <i>al.</i> 1923, <i>Kurthia baccarinii</i> (Macchiati) Pribram 1933, <i>Pantoea agglomerans</i> pv. <i>Millettiae</i> (Kawakami and Yoshida 1920), <i>Phytomonas itoana</i> (Tochinai)</p>		<p>(okra, lady's finger), <i>Allium</i> <i>sativum</i> (bawang putih, garlic), <i>Allium</i> spp. (bawang- bawangan), <i>Ananas</i> <i>comosus</i> (nanas, pineapple), <i>Carthamus tinctorius</i> (kesumba, safflower), <i>Citrus</i> spp. (jeruk, citrus) <i>Daucus</i> <i>carota</i> (wortel, carrot), <i>Glycine max</i> (kedelai, soyabean), <i>Gossypium</i> <i>hirsutum</i> (kapas, cotton), <i>Hordeum vulgare</i> (barli, barley), <i>Impatiens</i> <i>balsamina</i>, <i>Lathyrus</i> <i>odoratus</i>, <i>Malus sylvestris</i> (apel, apple), <i>Manihot</i> <i>esculenta</i> (ubi kayu, cassava), <i>Mangifera indica</i> (mangga, mango), <i>Medicago</i> <i>sativa</i> (alfalfa, lucerne), <i>Morus</i>, <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Oryza</i> <i>sativa</i> (padi, paddy, rice), <i>Pyrus communis</i> (pir, pear)</p>	<p>batang (stems), buah (fruits), bunga (inflorescence), polong (pods), daun (leaves)</p>	<p>Zimbabwe America: Barbados, Bolivia, Ecuador, El Savador, Colombia, Costa Rica, Cuba, Honduras, Mexico, Nicaragua, Panama, USA, Venezuela Asia: Bangladesh, Cambodia, China, DPR Korea (North Korea), India, Israel, Iran, Japan, Lao PDR (Laos), Malaysia, Myanmar, Nepal, Pakistan, Philippines, Republic of Korea (South Korea), Saudi Arabia, Sri Lanka, Thailand, Vietnam Europe: France, Germany, Italy, Moldova, Poland, Spain, United Kingdom Oceania: Australia,</p>

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	Magrou 1937, <i>Pseudomonas herbicola</i> (Lohnis) de'Rossi 1927, <i>Pseudomonas itoana</i> Tochinai 1932, <i>Pseudomonas trifolii</i> Huss 1907, <i>Xanthomonas cosmosicola</i> Rangaswami and Sanne Gowda 1963, <i>Xanthomonas indica</i> Rangaswami, Prasad and Eswaran 1961, <i>Xanthomonas itoana</i> (Tochinai) Dowson 1943, <i>Xanthomonas maydis</i> Rangaswami, Prasad and Eswaran 1961, <i>Xanthomonas penniseti</i> Rajagopalan and Rangaswami 1958, <i>Xanthomonas rubrisorghii</i> Rangaswami, Prasad and Eswaran 1961, <i>Xanthomonas tagetis</i> Rangaswami and Sanne Gowda 1963, <i>Xanthomonas translucens</i> f.sp. <i>oryzae</i> , <i>Xanthomonas trifolii</i> (Huss) James 1955); bacterial grapevine blight, bacterial rice leaf blight		<i>Saccharum officinarum</i> (tebu, sugarcane), <i>Solanum tuberosum</i> (kentang, potato), <i>Setaria italica</i> (jawawut, foxtail millet), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Vitis vinifera</i> (anggur, grapevine), <i>Zea mays</i> (jagung, corn, maize)		New Zealand
20.	<i>Pantoea cypripedii</i> (Hori, 1911) Brady et al. 2010; (Syn. <i>Bacillus cypripedii</i> Hori 1911, <i>Bacterium cypripedii</i> (Hori) Burgvits 1935, <i>Erwinia carotovora</i> var.	I	<i>Aerides japonicum</i> , <i>Carica papaya</i> (pepaya, papaya), <i>Cypripedium godefroyae</i> , <i>Cypripedium haybaldium</i> , <i>Cypripedium laevigatum</i> ,	batang (stems), daun (leaves), kultur jaringan (tissue cultures), umbi	Africa: South Africa Asia: Japan, Taiwan

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	<i>cypripedii</i> (Hori) Dye 1969, <i>Erwinia cypripedii</i> (Hori 1911) Bergey <i>et al.</i> 1923), <i>Pectobacterium cypripedii</i> (Hori 1911) Brenner <i>et al.</i> 1973); bacterial brown rot of orchids, black rot of papaya		<i>Cypripedium philippinense</i> , <i>Orchidaceae</i> , <i>Paphiopedilum</i> (lady's slipper orchid), <i>Phalaenopsis amabilis</i> (angrek bulan, moth-orchid), <i>Phalaenopsis aphrodite</i> , <i>Phalaenopsis hybrids</i> , <i>Phalaenopsis schilleriana</i>	(bulbs, corms, tubers),	
21.	<i>Pectobacterium aroidearum</i> Nabhan <i>et al.</i> 2013; bacterial soft rot, soft rot of Chinese cabbage	I	<i>Brassica rapa</i> subsp. <i>pekinensis</i> (sawi putih, Chinese cabbage), <i>Cucurbita pepo</i> (labu kuning, zukini, zucchini), <i>Ornithogalum dubium</i> (sun star), <i>Persea americana</i> (avokad, avocado), <i>Saccharum</i> spp. (tebu), <i>Solanum tuberosum</i> (kentang, potato), <i>Zantedeschia aethiopica</i> (calla lily, arum lily)	akar (roots), batang (stems), daun (leaves), tanah (soils), umbi (bulbs, corms, tubers)	Africa: South Africa, Zimbabwe America: Brazil, Jamaica Asia: China, Israel, Lebanon
22.	<i>Pectobacterium atrosepticum</i> (Van Hall, 1902) Gardan <i>et al.</i> 2003; (Syn. <i>Bacillus atrosepticus</i> , <i>Bacillus melanogenes</i> Pethybridge and Murphy,	I	<i>Allium ascalonicum</i> (bawang merah, shallot), <i>Allium cepa</i> (bawang bombay, onion), <i>Asparagus officinalis</i>	akar (roots), bahan perbanyakan vegetatif	Africa: Algeria, Egypt, Mauritius, Morocco, Mozambique, South Africa, Tanzania,



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	<p>1911), <i>Bacillus phytophthorus</i> Appel 1902, <i>Bacterium atrosepticum</i> (van Hall) Lehmann and Neumann 1927, <i>Bacterium carotovorum</i> (Jones) Lehmann and Neumann/Burgwitz, <i>Bacterium carotovorum</i> var. <i>atrosepticum</i> (van Hall) Hellmers and Dowson 1953, <i>Bacterium</i> <i>melanogenum</i>, <i>Bacterium</i> <i>phytophthorum</i> (Appel) Lehmann and Neumann 1927, <i>Erwinia atroseptica</i> (van Hall) Jennison, 1923, <i>Erwinia</i> <i>caricae</i>, <i>Erwinia carotovora</i> (Jones) holl./Berg., <i>Erwinia carotovora</i> pv. <i>atroseptica</i> (van Hall 1902) Dye 1978, <i>Erwinia carotovora</i> subsp. <i>atroseptica</i> (van Hall, 1902) Dye 1969, <i>Erwinia</i> <i>carotovora</i> var. <i>atroseptica</i> (van Hall) Dye 1969, <i>Erwinia dahliae</i> (Hori and Bokura) Magrou, <i>Erwinia melonis</i> (Giddings) Bergey et al. 1934, <i>Erwinia</i> <i>papayae</i>, <i>Erwinia phytophthora</i> (Appel) Bergey et al. 1934, <i>Erwinia</i> <i>phytophthorus</i>, <i>Pectobacterium</i> <i>atrosepticum</i> (van Hall) Patel and</p>		<p>(asparagus, asparagus), Brassicaceae, <i>Euphorbia</i> <i>pulcherrima</i> (poinsettia), <i>Carica papaya</i> (pepaya, papaya), <i>Coffea</i> spp. (kopi, coffee), <i>Consolida ambigua</i> (rocket larkspur), <i>Cyphomandra betacea</i> (terung belanda, tamarillo, tree tomato), <i>Cucumis</i> <i>sativus</i> (mentimun, cucumber), <i>Datura</i> <i>stramonium</i> (kecubung, jimson weed), <i>Daucus carota</i> (wortel, carrot), <i>Glycine max</i> (kedelai, soyabean), <i>Helianthus annuus</i> (bunga matahari, sunflower), <i>Iris</i> spp., <i>Lupinus</i> (Lupin), <i>Musa</i> spp. (pisang, banana), <i>Nicotiana glauca</i> (tree tobacco), <i>Nicotiana rustica</i> (wild tobacco), <i>Nicandra</i> <i>physalodes</i> (apple of Peru), <i>Phaseolus vulgaris</i> (buncis,</p>	<p>(vegetative propagation material), batang (stems), daun (leaves), tanah (soils), umbi (bulbs, corms, tubers)</p>	<p>Tunisia, Zimbabwe America: Argentina, Belize, Bermuda, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Dominica, French West Indies, Guadeloupe, Honduras, Martinique, Mexico, Peru, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, USA, Venezuela Asia: Bhutan, China, India, Iran, Israel, Japan, Kazakhstan, Lebanon, Philippines, Turkey, Vietnam Europe: Austria, Azerbaijan, Bulgaria, Bosnia and Herzegovina, Croatia, Cyprus, Czech,</p>

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	Kulkarni 1951, <i>Pectobacterium carotovorum</i> , <i>Pectobacterium carotovorum</i> pv <i>atrosepticum</i> (van Hall) Graham and Dowson, 1960), <i>Pectobacterium phytophthorum</i> (Appel) Waldee, 1945; black leg of potato		common bean), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Saintpaulia</i> (african violet), Solanaceae, <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum tuberosum</i> (kentang, potato), <i>Vigna</i> spp. (cowpea), <i>Zea mays</i> (jagung, corn, maize)		Slovakia, Denmark, Estonia, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Latvia, Lithuania, Malta, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovenia, Spain, Sweden, Switzerland, United Kingdom Oceania: Australia, New Zealand
23.	<i>Pectobacterium betavasculatorum</i> (Thomson <i>et al.</i> 1984) Gardan <i>et al.</i> 2003; (Syn. <i>Erwinia betavasculatorum</i> , <i>Erwinia carotovora</i> subsp. <i>Betavasculatorum</i> Thomson <i>et al.</i> 1984, <i>Pectobacterium carotovorum</i> subsp. <i>betavasculatorum</i> (Thomson <i>et al.</i> 1984);	I	<i>Beta vulgaris</i> var. <i>Saccharifera</i> (bit gula, sugar beet), <i>Solanum tuberosum</i> (kentang, potato), <i>Cynara cardunculus</i> var. <i>scolymus</i> (artichoke), <i>Helianthus</i> (bunga matahari, sunflower)	akar (roots), batang (stems), bunga (inflorescence), buah (fruits), daun (leaves)	America: Mexico, USA Europe: France, Romania

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	sugar beet rot				
24.	<i>Pectobacterium cacticida</i> (Alcorn <i>et al.</i> , 1991) Hauben <i>et al.</i> , 1999; (Syn. <i>Erwinia cacticida</i> ) soft rot bacteria	I	<i>Agave tequilana</i> (agave), <i>Carnegiea gigantea</i> (Saguaro cactus), <i>Opuntia</i> spp. (kaktus, cactus, prickly pear)	akar (roots), buah (fruits), daun (leaves), batang (stems), tanah (soils)	America: Guatemala, USA
25.	<i>Pectobacterium parmentieri</i> Khayi <i>et al.</i> , 2016; soft rot bacteria, black leg disease of potato	I	<i>Brassica oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Solanum</i> <i>lycopersicum</i> (tomat, tomato), <i>Solanum</i> <i>melongena</i> (terung, eggplant, aubergine), <i>Solanum tuberosum</i> (kentang, potato)	akar (roots), batang (stems), daun (leaves) tanah (soils), umbi (bulbs, corms, tubers)	Africa: South Africa, Zimbabwe America: Canada, USA Asia: Iran, Japan, Malaysia, Syria, Turkey Europe: Finland, France, Germany, Netherlands, Norway, Poland, Russian Federation, Serbia, Switzerland, Scotland, Spain, United Kingdom Oceania: New Zealand
26.	<i>Pectobacterium wasabiae</i> (Gardan <i>et al.</i> 2003); (Syn. <i>Erwinia carotovora</i> subsp. <i>wasabiae</i> (Goto and Matsumoto, 1987), <i>Pectobacterium carotovorum</i> subsp	I	<i>Eutrema wasabi</i> (Wasabi)	akar (roots), batang (stems), daun (leaves), tanah (soils), umbi (bulbs,	Asia: Japan Europe: France

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	<i>wasabiae</i> (Goto and Matsumoto, 1987) Hauben <i>et al.</i> , 1999); soft rot bacteria, stem rot			corms, tubers)	
27.	<i>Pseudomonas corrugata</i> Roberts and Scarlett (1981), emend. Sutra <i>et al.</i> 1997; pith necrosis of tomato	I	<i>Capsicum annuum</i> (paprika, bell pepper), <i>Chrysanthemum morifolium</i> (krisan, chrysanthemum), <i>Geranium</i> (cranebill), <i>Solanum lycopersicum</i> (tomat, tomato)	akar (roots), bahan perbanyakan tanaman (propagative materials), batang (stems), bibit (seedlings), biji (true seed), daun (leaves), kulit kayu (bark)	Afrika: Egypt, South Africa, Tanzania Amerika: Argentina, Brazil, Canada, Mexico, USA Asia: Georgia, India, Israel, Japan, Kazakhstan, Kyrgyzstan, Philippines, Saudi Arabia, Syria, Tajikistan, Turkey, Turkmenistan, Uzbekistan Europe: Armenia, Albania, Azerbaijan, Belarus, Estonia, Czech Republic, Denmark, France, Germany, Greece, Hungary, Italy, Latvia, Lithuania, Moldova,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
					Montenegro, North Macedonia, Norway, Poland, Portugal, Russian Federation, Serbia, Spain, Sweden, Switzerland, United Kingdom, Ukraine Oceania: Australia, New Zealand
28.	<i>Pseudomonas marginalis</i> (Brown 1918) Stevens 1925; Kansas lettuce disease, leaf blight of chicory, leaf blight of lettuce, marginal lettuce leaf blight	I	<i>Aconitum napellus</i> (aconite monkshood), <i>Agapanthus africanus</i> (African blue lily), <i>Allium cepa</i> (bawang bombay, onion), <i>Allium chinense</i> (spring onion, rakkyo), <i>Allium sativum</i> (bawang putih, garlic), <i>Ananas comosus</i> (nanas, pineapple), <i>Anemone coronaria</i> (Poppy anemone), <i>Apium graveolens</i> (seledri, celery), <i>Armoracia rusticana</i> (lobak pedas, horseradish), <i>Beta vulgaris</i> (bit gula,	akar (roots), batang (stems), bibit (seedlings), buah (fruits), daun (leaves), kulit kayu (bark), rimpang (rhizome), umbi (bulbs, corms, tubers)	Amerika: Peru, Trinidad and Tobago, Venezuela. Asia: China, Taiwan Eropa: Bulgaria

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			beetroot), <i>Beta vulgaris var. cicla</i> (chard), <i>Brassica nigra</i> (sawi hitam, black mustard), <i>Brassica oleracea</i> (cabbages,), <i>Brassica oleracea var. botrytis</i> (bunga kol, cauliflower), <i>Brassica oleracea var. capitata</i> (kubis, cabbage), <i>Brassica rapa subsp. pekinensis</i> (sawi putih, Chinese cabbage), <i>Capsicum annuum</i> (paprika, bell pepper), <i>Chrysanthemum vestitum</i> (krisan, Chrysanthemum) <i>Cichorium</i> (chicory), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Cucurbita</i> (pumpkin), <i>Cynara cardunculus var. scolymus</i> (globe artichoke), <i>Dahlia pinnata</i> (garden dahlia), <i>Daucus carota</i> (wortel, carrot), <i>Dianthus caryophyllus</i> (anyelir,		

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			carnation), <i>Eutrema wasabi</i> (wasabi), <i>Helianthus annuus</i> (bunga matahari, sunflower), <i>Hyacinthus</i> <i>orientalis</i> (hyacinth), <i>Iris</i> <i>germanica</i> (German iris), <i>Lactuca sativa</i> (selada, lettuce), <i>Lactuca sativa var.</i> <i>capitata</i> (head lettuce), <i>Lobelia erinus</i> (dwarf blue lobelia), <i>Medicago sativa</i> (lucerne), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Nigella</i> <i>damascena</i> (Love-in-a-mist), <i>Onobrychis viciifolia</i> (sainfoin), <i>Papaver</i> <i>somniferum</i> (Opium poppy), <i>Pastinaca sativa</i> (parsnip), <i>Petroselinum crispum</i> (peterseli, parsley), <i>Phaseolus coccineus</i> (runner bean), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Philodendron bipinnatifidum</i> (lacy tree philodendron),		

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			<i>Populus</i> (poplars), <i>Primula</i> (Primrose), <i>Prunus amygdalus</i> (badam, almond), <i>Prunus persica</i> (persik, peach), <i>Pyrus</i> (pir, pears), <i>Raphanus sativus</i> (lobak, radish), <i>Rheum hybridum</i> (rhubarb), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum tuberosum</i> (kentang, potato), <i>Syngonium</i> , <i>Syngonium podophyllum</i> (singonium, arrowhead vine), <i>Zingiber officinale</i> (jahe, ginger)		
29.	<i>Pseudomonas savastanoi</i> pv. <i>phaseolicola</i> (Burkholder 1926) Gardan et al.1992; (Syn. <i>Bacterium medicaginis</i> var. <i>phaseolicola</i> (Burkholder) Link and Hull 1927, <i>Bacterium puerariae</i> Hedges 1927, <i>Phytomonas medicaginis</i> var. <i>phaseolicola</i> Burkholder 1926, <i>Phytomonas puerariae</i> (Hedges) Bergey	I	<i>Cajanus cajan</i> (kacang gude, pigeon pea), <i>Centrosema</i> , <i>Desmodium</i> (tick clovers), <i>Glycine max</i> (kedelai, soyabean), <i>Lablab purpureus</i> (kacang komak, hyacinth bean), <i>Phaseolus acutifolius</i> (tepariy bean), <i>Phaseolus coccineus</i> (runner	batang (stems), bibit (seedlings), biji (true seed), buah (fruits), bunga (inflorescences), daun (leaves), polong (pods), titik tumbuh	Africa: Burundi, DR Congo, Egypt, Ethiopia, Kenya, Lesotho, Madagascar, Malawi, Mauritius, Morocco, Mozambique, Rwanda, South Africa, Swaziland, Tanzania, Uganda, Zambia,



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	<p><i>et al.</i> 1930, <i>Phytomonas vignae</i> (Gardn. and Kendr.) Karassilnikov, <i>Pseudomonas cerasi</i> (= <i>cerasus</i>) Griffin, <i>Pseudomonas holci</i> Kendrick, <i>Pseudomonas medicaginis</i>, <i>Pseudomonas medicaginis</i> f.sp. <i>phaseolicola</i> (Burkholder) Dowson 1957, <i>Pseudomonas medicaginis</i> var. <i>phaseolicola</i> (Burkholder) Stapp and Kotte 1929, <i>Pseudomonas phaseolicola</i> (Burkholder) Dowson 1943, <i>Pseudomonas syringae</i> pv. <i>phaseolicola</i> (Burkholder 1926) Young <i>et al.</i> 1978, <i>Pseudomonas vignae</i> Gardner and Kendrick, <i>Xanthomonas medicaginis</i> var. <i>phaseolicola</i> (Burkholder) Elliot 1951, <i>Xanthomonas phaseolicola</i>); halo blight of beans; grease spot of beans, bacterial bean blight</p>		<p>bean), <i>Phaseolus lunatus</i> (lima bean), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Pisum sativum</i> (kapri, sweet pea), <i>Pueraria montana</i> var. <i>lobata</i> (kudzu), <i>Vigna angularis</i> (adzuki bean), <i>Vigna radiata</i> (kacang hijau, mung bean), <i>Vigna unguiculata</i> (kacang panjang, cowpea)</p>	<p>(growing point)</p>	<p>Zimbabwe America: Argentina, Barbados, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, French Guiana, Guadeloupe, Hawaii, Martinique, Mexico, Paraguay, Peru, Saint Vincent and the Grenadines, Suriname, Uruguay, USA, Venezuela Asia: China, Georgia, India, Israel, Japan, Pakistan, Saudi Arabia, Turkey, Yemen Europe: Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, France, Germany, Greece, Hungary,</p>

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					Ireland, Italy, Jersey, Lithuania, Montenegro, Netherlands, North Macedonia, Poland, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom (Channel Islands) Oceania: Australia, Fiji, New Zealand
30.	<i>Pseudomonas syringae</i> pv. <i>morsprunorum</i> (Wormald 1931) Young et al.1978; (Syn. <i>Agrobacterium mors-prunorum</i> (Wormald) Savulescu 1947, <i>Bacterium mors-prunorum</i> (Wormald) 1932, <i>Phytomonas mors-prunorum</i> (Wormald) Wormald 1932, <i>Pseudomonas mors-prunorum</i> Wormald 1931); bacterial canker of stone fruits; spot of stone fruits; shoot wilt of stone fruits; gummosis; blossom blast	I	<i>Prunus americana</i> (aprikot, apricot), <i>Prunus avium</i> (ceri manis, sweet cherry), <i>Prunus cerasus</i> (kersen, sour cherry), <i>Prunus domestica</i> (prem, plum), <i>Prunus salicina</i> (Japanese plum)	batang (stems), buah (fruits), bunga (inflorescences), daun (leaves), kayu (woods), kulit kayu (bark)	Africa: South Africa America: Canada, USA Asia: Georgia, India, Japan, Kazakhstan, Kyrgyzstan, Lebanon, Turkey, Tajikistan, Turkmenistan, Uzbekistan Europe: Armenia, Azerbaijan, Belarus, Belgium, Czech Republic, Denmark,

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					Estonia, Finland, France, Germany, Greece, Ireland, Italy, Latvia, Lithuania, Moldova, Montenegro, Netherlands, Norway, Poland, Romania, Russian Federation, Serbia, Slovakia, Sweden, Switzerland, Ukraine, United Kingdom, Oceania: Australia
31.	<i>Pseudomonas syringae</i> pv. <i>passiflorae</i> (Reid 1938) Young <i>et al.</i> 1978; (Syn. <i>Phytobacterium passiflorae</i> (Reid) Magrou and Prevot 1948, <i>Phytomonas passiflorae</i> Reid 1939, <i>Pseudomonas passiflora</i> (Reid 1938) Young <i>et al.</i> 1978, <i>Pseudomonas passiflorae</i> (Reid) Burkholder 1948); grease spot of passion fruit; necrotic spots	I	<i>Passiflora incarnata</i> (purple passion flower), <i>Passiflora edulis</i> (markisa, passion fruit)	batang (stems), buah (fruits), daun (leaves)	Africa: South Africa America: Dominica Europe: United Kingdom Oceania: Australia, New Zealand
32.	<i>Pseudomonas syringae</i> pv. <i>coriandricola</i> Toben and Rudolph;	I	<i>Coriandrum sativum</i> (ketumbar, coriander),	batang (stems), bibit (stems),	America: Canada, USA Asia: India

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	bacterial blight, leaf spot		<i>Daucus carota</i> (wortel, carrot), <i>Pastinaca sativa</i> (parsnip) <i>Petroselinum crispum</i> (peterseli, parsley)	biji (true seed), daun (leaves)	Europe: Germany, Serbia, Spain Oceania: Australia
33.	<i>Pseudomonas syringae</i> pv. <i>garcae</i> Teix. and Pinh.; (Syn. <i>Pseudomonas garcae</i> ); bacterial spot, bacterial blight of coffee	I	<i>Citrus</i> sp. (jeruk, citrus), <i>Coffea</i> spp. (kopi, coffee), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum tuberosum</i> (kentang, potato), <i>Vigna</i> spp. (kacang panjang, cowpea)	benih (seeds), bibit (seedlings), planlet, tanaman hasil mikropropagasi (micropropagated plants, umbi (bulbs, corms, tubers)	Africa: Ethiopia, Kenya America: Brazil
34.	<i>Pseudomonas syringae</i> pv. <i>maculicola</i> (McCulloch 1911) Young et al.1978; (Syn. <i>Bacterium maccullochianum</i> Burgivits 1935, <i>Bacterium maculicola</i> (McCulloch 1911, <i>Bacterium maculicola</i> var. <i>japonicum</i> Takimoto 1931, <i>Phytomonas maculicola</i> (McCulloch) Bergey et al. 1923, <i>Pseudomonas maculicola</i> (McCulloch) Stevens 1913); cabbage leaf spot	I	<i>Brassica oleracea capitata</i> (kubis, cabbage), <i>Brassica rapa gongylodes</i> (kohlrabi), <i>Brassica rapa</i> sub sp. <i>rapa</i> (turnip, turnip), <i>Brassica juncea</i> var. <i>juncea</i> (sawi, Indian mustard), <i>Brassica nigra</i> (sawi hitam, black mustard), <i>Brassica oleracea</i> var. <i>viridis</i> (collards), <i>Brassica oleracea</i> var.	akar (roots), batang (stems), buah (fruits), bunga (inflorescences, daun (leaves), benih (true seed)	Africa: Algeria, Mauritius, Mozambique, South Africa, Zimbabwe America: Argentina, Bermuda, Bolivia, Brazil, Canada, Chile, Colombia, Cuba, Dominican Republic, Ecuador, El Salvador, French Guiana,

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			<p><i>gemmifera</i>, <i>Brassica rapa</i> sub sp. <i>pekinensis</i> (sawi putih, Chinese cabbage), <i>Raphanus sativus</i> (lobak, radish), <i>Brassica oleracea</i> var. <i>botrytis</i> (bunga kol, cauliflower), <i>Brassica oleracea</i> var. <i>italica</i> (brokoli, broccoli)</p>		<p>Paraguay, Puerto Rico, Peru, Uruguay, USA, Venezuela Asia: China, DPR Korea (North Korea), Georgia, Japan, Republic of Korea (South Korea), Taiwan, Turkey Europe: Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Finland, France, Germany, Italy, Montenegro, North Macedonia, Norway, Russian Federation, Serbia, Slovakia, Slovenia, Ukraine, United Kingdom Oceania: Australia, Federated States of Micronesia, Fiji, New Zealand, Palau, Papua</p>

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					New Guinea
35.	<i>Pseudomonas syringae</i> pv. <i>pisi</i> (Sackett 1916) Young <i>et al.</i> 1978; (Syn. <i>Bacterium pisi</i> (Sackett) Smith 1920, <i>Chlorobacter pisi</i> (Sackett) Bergey <i>et al.</i> 1923, <i>Pseudomonas pisi</i> Sackett 1916); bacterial pea blight	I	<i>Cynodon dactylon</i> (rumput bermuda, bermuda grass), <i>Digitaria sanguinalis</i> , <i>Galium aparine</i> , <i>Lablab purpureus</i> (kacang komak, hyacinth), <i>Lathyrus</i> , <i>Lathyrus latifolius</i> (broad-leaved sweet pea), <i>Lathyrus odoratus</i> (sweet pea), <i>Lepidium campestre</i> , <i>Pisum sativum</i> (kapri, sweet pea), <i>Pisum sativum</i> var. <i>arvense</i> , <i>Reseda lutea</i> , <i>Vicia benghalensis</i> (purple vetch), <i>Vicia</i> spp.	batang (stems), buah (fruits), bunga (inflorescences), biji (true seed), daun (leaves), planlet, polong (pods), tanaman (whole plants)	Africa: Kenya, Malawi, South Africa, Tanzania, Zimbabwe America: Argentina, Bermuda, Brazil, Canada, Colombia, Costa Rica, Ecuador, Mexico, Uruguay, USA, Asia: Georgia, India, Japan, Kazakhstan, Kyrgyzstan, Lebanon, Nepal, Pakistan, Syria, Turkey Europe: Armenia, Bosnia and Herzegovina, Bulgaria, Croatia, Czech, Denmark, France, Germany, Greece, Hungary, Italy, Lithuania, Moldova, Montenegro, Netherlands, North Macedonia, Portugal,

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					Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Switzerland, Ukraine, United Kingdom (England, Wales) Oceania: Australia, New Caledonia, New Zealand
36.	<i>Pseudomonas syringae</i> pv. <i>syringae</i> van Hall 1902; (Syn. <i>Bacillus cerasi</i> (Griffin) Holland 1920, <i>Bacillus gummis</i> (Comes) Trevisan 1889, <i>Bacillus matthiolae</i> (Briosi and Pavarino) Stapp 1928, <i>Bacillus spongiosus</i> Aderhold and Ruhland 1905, <i>Bacterium cerasi</i> (Griffin) Elliot 1930, <i>Bacterium cerasi</i> var. <i>prunicola</i> , <i>Bacterium citrarefasciens</i> Lee 1917, <i>Bacterium citriputeale</i> C.O. Smith 1913, <i>Bacterium gummis</i> Comes 1884, <i>Bacterium hibisci</i> Nakada and Takimoto 1923, <i>Bacterium holci</i>	I	<i>Aconitum</i> spp., <i>Abelmoschus moschatus</i> (okra, lady's finger), <i>Vernicia fordii</i> , <i>Allium</i> spp. (bawang-bawangan), <i>Alnus glutinosa</i> , <i>Arbutus</i> spp., <i>Aralia</i> spp., <i>Actinidia deliciosa</i> (kiwi, kiwi fruit), <i>Atriplex hortensis</i> , <i>Beta vulgaris</i> var <i>saccharifera</i> (bit gula, sugar beet), <i>Betula pendula</i> , <i>Brassica rapa</i> subsp. <i>pekinensis</i> (sawi putih, Chinese cabbage), <i>Carthamus tinctorius</i>	akar (roots), batang (stems), biji (true seed), bunga (inflorescence), buah (fruits), daun (leaves), media tanam (growing media)	Africa: Algeria, Egypt, Ethiopia, Kenya, Lesotho, Malawi, Morocco, South Africa, Tanzania, Tunisia, Uganda, Zimbabwe America: Argentina, Barbados, Brazil, Chile, El Salvador, Guatemala, Honduras, Mexico, Panama, Puerto Rico, USA, Uruguay, Venezuela Asia: Afganistan, Bangladesh, China,

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	<p>Kendrick 1926, <i>Macterium matthiolae</i> Briosi and Pavarino 1912, <i>Bacterium nectarophilum</i> Doidge 1917, <i>Bacterium prunicola</i> (Wormald) Burgvitz 1935, <i>Bacterium rimaefasciens</i> (Koning) Dowson); bacterial canker or blast (stone and pome fruits), bacterial brown spot (beans), apoplexy of apricots, bacterial black spot, bacterial eye spot, bacterial spot, bacterial sheath rot, blast of <i>Citrus</i>, blister spot of apple, peach-tree short-life, pear blossom blight</p>		<p>(Kesumba, Saffalower), <i>Centaurea maculosa</i> (spotted knapweed), <i>Chenopodium quinoa</i> (quinoa), <i>Chrysanthemum indicum</i> (krisan, chrysant), <i>Citrus</i> spp. (jeruk, citrus), <i>Cinnamomum camphora</i> (kayu kamper, camphor tree), <i>Calystegia sepium</i> (hedge bindweed), <i>Cyamopsis tetragonoloba</i>, <i>Coffea</i> spp. (kopi, coffee), <i>Capsicum annuum</i> (paprika, bell-pepper), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Cucurbita</i>, <i>Cucurbita maxima</i> (waluh, labu parang, pumpkin), <i>Cydonia oblonga</i> (quince), <i>Cyphomandra betacea</i> (terung belanda, tamarillo, tree tomato), <i>Dahlia pinnata</i> (dahlia), <i>Daphne odora</i>, <i>Desmodium</i> spp., <i>Diospyros</i></p>		<p>DPR Korea (North Korea), Georgia, India, Iran, Israel, Japan, Kazakhstan, Kyrgyzstan, Lebanon, Pakistan, Republic of Korea (South Korea), Sri Lanka, Thailand, Turkey, Uzbekistan, Vietnam Europe: Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Moldova, Montenegro, North Macedonia, Netherlands, Poland, Portugal, Romania, Russian Federation,</p>



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			<p><i>kaki</i> (kesemek, persimmon),  <i>Echinochloa crusgalli</i> ,  <i>Erysimum cheiri</i>, <i>Malus domesticum</i> (apel, apple),  <i>Prunus</i> spp., <i>Vigna</i> spp.                      (kacang panjang, cowpea),  <i>Syringa vulgaris</i> (lilac),  <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Fortunella</i> spp.,  <i>Forsythia intermedia</i>,  <i>Fragaria vesca</i>, <i>Glycine max</i>                      (kedelai, soyabean),  <i>Hibiscus</i> spp. (bunga sepatu, rosemallows),  <i>Hordeum vulgare</i> (barli, barley), <i>Impatiens balsamina</i> (pacar air, garden balsam), <i>Juglans regia</i>, <i>Lactuca sativa</i> (selada, lettuce), <i>Lablab purpureus</i>, <i>Ligustrum ovalifolium</i>, <i>Solanum lycopersicum</i> (tomat, tomato), <i>Magnolia</i> spp.,  <i>Medicago sativa</i> (alfalfa,</p>		<p>Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom                      Oceania: Australia, New Zealand</p>

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			lucerne), <i>Mangifera indica</i> (mangga, mango), <i>Matthiola</i> <i>incana</i> , <i>Musa paradisiaca</i> (pisang kepok, plantain), <i>Mucuna deeringiana</i> , <i>Nerium</i> <i>oleander</i> , <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Oryza</i> <i>sativa</i> (padi, paddy, rice), <i>Panax ginseng</i> (Asiatic ginseng), <i>Panicum</i> spp., <i>Passiflora quadrangularis</i> (markisa, passionfruit, granadilla), <i>Persea</i> <i>americana</i> (avokad, avocado), <i>Pennisetum</i> spp., <i>Philadelphus</i> , <i>Vigna</i> <i>angularis</i> , <i>Phaseolus</i> spp., <i>Pisum sativum</i> (kapri, sweet pea), <i>Piper nigrum</i> (lada, blackpepper), <i>Pinus radiata</i> (pinus), <i>Populus</i> spp., <i>Prunus avium</i> (ceri manis, sweet cherry), <i>Pyrus</i> (pir, pear), <i>Passiflora edulis</i> (markisa, passionfruit),		

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			<i>Quercus</i> spp. (oak), <i>Rhododendron</i> , <i>Rosa</i> spp. (mawar, rose), <i>Rubus</i> <i>ursinus</i> , <i>Salix</i> spp., <i>Sorghum</i> <i>bicolor</i> (sorgum, sorghum), <i>Sorghum</i> spp., <i>Trifolium</i> spp., <i>Trigonella foenum-</i> <i>graecum</i> , <i>Triticum aestivum</i> (gandum, wheat), <i>Vaccinium</i> sp., <i>Vicia faba</i> (kacang babi, broad bean), <i>Vicia villosa</i> , <i>Vigna cylindrica</i> , <i>Vitis</i> <i>vinifera</i> (anggur, grapevine), <i>Zea mays</i> (jagung, corn, maize)		
37.	<i>Pseudomonas syringae</i> pv. <i>theae</i> (Hori 1915) Young <i>et al.</i> 1978; (Syn. <i>Bacillus theae</i> Hori 1915, <i>Erwinia theae</i> (Hori) Okabe and Goto 1955, <i>Innominatus theae</i> (Hori) Okabe and Goto 1955, <i>Xanthomonas theae</i> Uehara and Arai); bacterial shoot blight, bacterial stem blight, bacterial tea blight, red blight, tea bacterial spot	I	<i>Camellia sinensis</i> (teh, tea)	akar (roots), batang (stems), buah (fruits), bunga (inflorescences), daun (leaves)	Asia: Japan

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38.	<p><i>Rathayibacter tritici</i> (ex Hutchinson 1917) Zgurskaya <i>et al.</i> 1993; (Syn. <i>Agrobacterium tritici</i> (Hutchinson 1917) Savalescu 1947, <i>Bacterium tritici</i> (Hutchinson 1917) Elliot 1930, <i>Clavibacter tritici</i> (ex Hutchinson 1917) Davis <i>et al.</i> 1984, <i>Corynebacterium michiganense</i> pv. <i>tritici</i> (Hutchinson 1917) Dye and Kemp 1977, <i>Corynebacterium tritici</i> (Hutchinson 1917) Burkholder 1948, <i>Phytomonas tritici</i> (Hutchinson 1917) Bergey <i>et al.</i> 1930, <i>Pseudomonas tritici</i> Hutchinson 1917); spike blight, tundu disease, yellow ear rot, yellow slime disease, yellow spike, gumming diseases of wheat, gumming disease of grasses</p>	I	<p><i>Alopecurus</i> (foxtails), <i>Hordeum vulgare</i> (barli, barley), <i>Lolium temulentum</i> (darnel), <i>Triticum aestivum</i> (gandum, wheat), <i>Triticum dicoccum</i>, <i>Triticum turgidum</i> (durum wheat)</p>	<p>akar (roots), batang (stems), biji (true seed), buah (fruits), bunga (inflorescence), daun (leaves), tanah (soils), media tanam (growing media)</p> <p>Vektor: Tylenchida, Anguinidae: <i>Anguina tritici</i></p>	<p>Africa: Egypt, Ethiopia, Morocco, Zambia Asia: Afghanistan, China, India, Iran, Iraq, Pakistan, Turkey Europe: Cyprus, Denmark Oceania: Australia,</p>
39.	<p><i>Rhizobium vitis</i> (Ophel and Kerr 1990) Young <i>et al.</i> 2001; (Syn. <i>Agrobacterium</i> biovar 3, <i>Agrobacterium tumefaciens</i> biovar 3, <i>Agrobacterium vitis</i> Ophel and Kerr 1990); crown gall of grapevine</p>	I	<p><i>Vitis vinifera</i> (anggur, grapevine), <i>Vitis</i> sp.</p>	<p>akar (roots), batang (stems), biji (true seed), daun (leaves), planlet, tanah (soils), media tanam (growing</p>	<p>Africa: Tunisia America: Brazil, Canada, USA Asia: Afghanistan, China, DPR Korea (North Korea), Japan, Jordan, Republic of</p>

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				media).	Korea (South Korea) Europe: France, Greece, Hungary, Spain Oceania: Australia
40.	<i>Rhodococcus fascians</i> (Tilford 1936) Goodfellow 1984; (Syn. <i>Bacterium fascians</i> (Tilford) Lacey 1939, <i>Corynebacterium fascians</i> (Tilford 1936) Dowson 1942, <i>Phytoplasma fascians</i> (Tilford) Krasil'nikov 1949, <i>Rhodococcus</i> <i>rubropertinctus</i> ); leafy gall, fasciation, witches' broom syndrome, ornamental cauliflower disease, strawberry cauliflower disease, strawberry fasciation, tobacco leafy gall	I	<i>Antirrhinum majus</i> (snap dragon), <i>Asparagus</i> <i>densiflorus</i> , <i>Begonia</i> <i>tuberhybrida</i> , <i>Beta vulgaris</i> (bit gula, beet root), <i>Beloperone</i> , <i>Brassica</i> spp., <i>Buddleia davidii</i> , <i>Brassica</i> <i>oleracea</i> var. <i>botrytis</i> (bunga kol, cauliflower), <i>Brodiaea</i> , <i>Capsicum annuum</i> (paprika, cabai, bell-pepper), <i>Casuarina equisetifolia</i> (cemara laut, australian pine tree), <i>Chamaemelum</i> <i>nobile</i> , <i>Cichorium intybus</i> (chicory), <i>Cicer arietinum</i> (kacang arab, chickpea), <i>Consolida ambigua</i> , , <i>Chrysanthemum</i> spp., <i>Crysanthemum vestitum</i> ,	akar (roots), batang (stems), bibit (seedlings), biji (true seed), corms, daun (leaves), planlet, tanah (soils), rhizomes, umbi (bulbs, corms, tubers))  Vektor: Hemiptera, Aphididae: <i>Myzus persicae</i> , <i>M. ascalonicus</i>	Africa: Egypt America: Canada, Colombia, Guatemala, Mexico, USA, Asia: India, Iran, Israel Europe: Belgium, Czech Republic, Denmark, Estonia, France, Germany, Hungary, Italy, Latvia, Netherlands, Norway, Poland, Russian Federation, Slovakia, Sweden, Ukraine, United Kingdom Oceania: Australia, New Zealand

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			<p><i>Cucumis melo</i> (melon, muskmelon), <i>Datura innoxia</i> (kecubung, inoxia), <i>Dahlia pinnata</i> (dahlia), <i>Dianthus barbatus</i>, <i>Dianthus caryophyllus</i> (anyelir, carnation), <i>Erysimum cheiri</i> (wallflower), <i>Euphorbia</i>, <i>Euphorbia pulcherrima</i> (kastuba, poinsettia), <i>Erysimum allionii</i>, <i>Forsythia suspensa</i>, <i>Fragaria vesca</i> (wild strawberry), <i>Fragaria ananassa</i> (stroberi, strawberry), <i>Fragaria</i>, <i>Freesia</i> spp., <i>Gloriosa</i> spp., <i>Gladiolus hybrids</i>, <i>Glycine max</i> (kedelai, soyabean), <i>Gypsophila paniculata</i>, <i>Hebe andersonii hybrids</i>, <i>Hyacinthus</i>, <i>Impatiens walleriana</i> (pacar air, balsam), <i>Kalanchoe blossfeldiana</i> (cocor bebek,</p>		

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			florist kalanchoe), <i>Kalanchoe</i> , <i>Lathyrus</i> <i>odoratus</i> (sweet pea), <i>Lilium</i> spp., <i>Mesembryanthemum</i> , <i>Muscari botryoides</i> , <i>Nicotiana</i> , <i>Pelargonium</i> <i>zonale</i> (geranium), <i>Pelargonium</i> , <i>Pisum sativum</i> (kapri, sweet pea), <i>Petunia</i> <i>hybrida</i> , <i>Phaseolus</i> spp., <i>Physalis</i> spp., <i>Phlox</i> spp., <i>Rhododendron</i> (Azalea), <i>Spinacia oleracea</i> (horensa), <i>Sorbaria sorbifolia</i> , <i>Solanum</i> <i>lycopersicum</i> (tomat, tomato), <i>Solanum tuberosum</i> (kentang, potato), <i>Tagetes</i> spp., <i>Tropaeolum majus</i> , <i>Triteleia laxa</i> , <i>Triteleia</i> spp., Tulipa (tulip), <i>Viburnum</i> <i>opulus</i> , <i>Vicia faba</i> (kacang babi, broad bean)		
41.	<i>Streptomyces ipomoeae</i> (Person and Martin 1940) Waksman and Henrici 1948;	I	<i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Ipomoea</i> spp.	akar (roots), bibit (seedlings), media tanam	America: USA Asia: Japan, Vietnam

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	(Syn. <i>Actinomyces ipomoeae</i> ); Streptomyces soil rot (pox), soil rot, ground rot, sweet potato soft rot, sweet potato soil rot, sweet potato pox			(growing media), planlet, tanah (soils), umbi (bulbs, corms, tubers)	
42.	<i>Tatumella citrea</i> (Syn. <i>Pantoea citrea</i> , <i>Erwinia citreus</i> ); pineapple pink fruit, pink disease of pineapple.	I	<i>Ananas comosus</i> (nanas, pineapple), <i>Citrus reticulata</i> (jeruk mandarin, mandarin orange)	buah (fruits), panjang (pods)	Africa: Tanzania America: Mexico, USA Asia: Japan, Philippines, Taiwan Europe: Albania, Czech Republic Oceania: Australia
43.	<i>Xanthomonas arboricola</i> pv. <i>pruni</i> (Smith) Vauterin, Hoste, Kersters and Swings; (Syn. <i>Bacillus pruni</i> (Smith) Holland 1920, <i>Bacterium cerasi</i> wraggi (Sackett) Elliott 1930, <i>Bacterium pruni</i> , (Smith) Smith 1905, <i>Phytomonas</i> <i>cerasi</i> wraggi Sackett 1925, <i>Pseudomonas pruni</i> Smith 1903, <i>Xanthomonas campestris</i> pv. <i>pruni</i> (Smith) Dye, <i>Xanthomonas pruni</i> (Smith) Dawson); bacterial canker of stone fruit;	I	<i>Prunus armeniaca</i> (aprikot, apricot), <i>Prunus avium</i> (ceri manis, sweet cherry), <i>Prunus cerasus</i> (kersen, sour cherry), <i>Prunus</i> <i>domestica</i> (prem, plum), <i>Prunus dulcis</i> (badam almond), <i>Prunus persica</i> (persik, peach), <i>Prunus</i> <i>persica</i> var. <i>nucipersica</i> (nectarine), <i>Prunus salicina</i> (Japanese plum), <i>Prunus</i> <i>japonica</i> (Japanese bush	batang (stems), buah (fruits), daun (leaves)	Africa: South Africa, Zimbabwe America: Argentina, Bermuda, Bolivia, Brazil, Canada, Chile, Colombia, Dominican Republic, Ecuador, French Guiana, Mexico, Uruguay, USA, Venezuela Asia: China, DPR Korea (North Korea), India, Iran, Japan,



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	bacterial shot-hole of stone fruit; bacterial spot of stone fruit; bacterialsport of stone fruit; black spot of stone fruit		cherry tree), <i>Prunus mume</i> (Japanese apricot tree), <i>Prunus</i> sp. (stone fruit), <i>Prunus laurocerasus</i> (cherry laurel),		Lebanon, Pakistan, Republic of Korea (South Korea), Saudi Arabia, Tajikistan, Taiwan Europe: Austria, Belgium, Bulgaria, Cyprus, France, Germany, Italy, Moldova, Montenegro, Netherland, Romania, Russian Federation, Slovakia, Slovenia, Spain, Switzerland, United Kingdom, Ukraine Oceania: Australia, New Zealand
44.	<i>Xanthomonas axonopodis</i> pv. <i>alfalfae</i> (Riker <i>et al.</i> 1935) Vauterin <i>et al.</i> 1995; (Syn. <i>Bacterium alfalfa</i> Riker, Jones and Davies 1935, <i>Phytomonas alfalfae</i> Riker, Jones and Davies 1935, <i>Pseudomonas alfalfa</i> Riker, Jones and Davies 1935, <i>Xanthomonas alfalfa</i>	I	<i>Glycine max</i> (kedelai, soyabean), <i>Lablab</i> <i>purpureus</i> (hyacinth bean), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Medicago</i> <i>scutellata</i> (snail medic), <i>Phaseolus vulgaris</i> (buncis,	batang (stems), daun (leaves), tanaman hasil mikropropagasi (micropropagate d plants),	Africa: Sudan America: El Salvador, Nicaragua, USA Asia: Georgia, India, Syria Europe: Romania Oceania: Australia

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	(Riker <i>et al.</i> ) Dowson 1943, <i>Xanthomonas campestris</i> pv. <i>Alfalfae</i> (Riker <i>et al.</i> ) Dye 1978, <i>Xanthomonas phaseoli</i> f.sp. <i>alfalfa</i> (Riker <i>et al.</i> ) Sabet 1959); bacterial alfalfa leaf spot, bacterial leaf spot of lucerne		common bean), <i>Pisum sativum</i> (kapri, sweet pea), <i>Trifolium incarnatum</i> (Crimson clover), <i>Trifolium pratense</i> (semanggi, red clover), <i>Vicia benghalensis</i> (purple vetch), <i>Vicia sativa</i> (common vetch), <i>Vigna mungo</i> (black gram)		
45.	<i>Xanthomonas axonopodis</i> pv. <i>allii</i> Roumagnac <i>et al.</i> ; (Syn. <i>Xanthomonas campestris</i> pv. <i>allii</i> ); onion bacterial blight	I	<i>Allium</i> (onions, garlic, leek, etc.), <i>Allium cepa</i> (bawang bombay, onion), <i>Allium cepa</i> var. <i>aggregatum</i> (bawang merah, shallot), <i>Allium fistulosum</i> (bawang daun, welsh onion), <i>Allium porrum</i> (bawang prei, leek), <i>Allium sativum</i> (bawang putih, garlic), <i>Allium schoenoprasum</i> (kucai, chives)	akar (roots), batang (stems), buah, bunga, daun (leaves), media tanam (growing media)	Africa: Mauritius, Réunion, South Africa America: Barbados, Brazil, Cuba, Saint Kitts and Nevis, USA, Venezuela Asia: Japan Europe: Netherlands
46.	<i>Xanthomonas axonopodis</i> pv. <i>dieffenbachiae</i> (McCulloch and Pirone	I	<i>Aglaonema commutatum</i> , <i>Anthurium</i> spp., <i>Anthurium</i>	batang (stems), daun (leaves),	Africa: Réunion, South Africa

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	1939) Vauterinet <i>al.</i> 1995; (Syn. <i>Bacterium dieffenbachiae</i> McCulloch Pirone 1939, <i>Phytomonas</i> <i>dieffenbachiae</i> McCulloch and Pirone 1939, <i>Xanthomonas campestris</i> pv. <i>dieffenbachiae</i> McCulloch and Pirone 1939) Dye 1978, <i>Xanthomonas</i> <i>campestris</i> pv. <i>syngonii</i> Dickey and Zumoff 1987, <i>Xanthomonas</i> <i>dieffenbachiae</i> (McCulloch and Pirone) Dowson 1943); anthurium blight, bacterial blight of aroids, tip burn of philodendron oxycardium		<i>andreanum</i> , Araceae, <i>Caladium bicolor</i> hybrids, <i>Dieffenbachia maculata</i> , <i>Epipremnum pinnatum</i> (sirih gading), <i>Philodendron</i> <i>hederaceum</i> , <i>Philodendron</i> <i>hederaceum</i> var. <i>oxycardium</i> , <i>Philodendron</i> <i>selloum</i> , <i>Syngonium</i> <i>podophyllum</i> , <i>Xanthosoma caracu</i> , <i>Xanthosoma sagittifolium</i>	media tanam (growing media) rimpang (rhizome), umbi (bulbs, corms, tubers)	America: Barbados, Bermuda, Brazil, Canada, Costa Rica, Dominica, Guadeloupe, Jamaica, Martinique, Puerto Rico, St. Vincent and the Grenadines, Trinidad and Tobago, USA, Venezuela Asia: China, Philippines, Sri Lanka, Taiwan, Turkey Europe: Germany, Italy, Netherlands, Poland, Romania Oceania: Australia, French Polynesia, New Caledonia
47.	<i>Xanthomonas axonopodis</i> pv. <i>poinsettiicola</i> (Patel, Bhatt and Kulkarni) Vauterinet <i>et al.</i> 1995; (Syn. <i>Xanthomonas campestris</i> pv. <i>poinsettiicola</i> (Patel, Bhatt and Kulkarni) Dye 1978, <i>Xanthomonas</i>	I	<i>Codiaeum variegatum</i> (puring, croton), <i>Euphorbia</i> <i>heterophylla</i> (wild poinsettia), <i>Euphorbia milii</i> (Crown-of-thorns), <i>Euphorbia pulcherrima</i>	batang (stems), daun (leaves), tunas (buds, shoots)	America: USA, Venezuela Asia: China, Cocos Islands, India, Philippines, Taiwan Europe: Germany, Italy

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	<p><i>poinsetticola</i> Patel, Bhatt and Kulkarni 1951, <i>Xanthomonas pulcherrimae</i> Quimio 1974, <i>Xanthomonas ricini</i> f.sp. <i>poinsetticola</i> (Patel, Bhatt and Kulkarni); bacterial leaf spot of <i>poinsettia</i>, bacterial leaf spot of <i>Euphorbia</i></p>		<p>(kastuba, poinsettia), <i>Manihot esculenta</i> (ubi kayu, cassava)</p>		<p>Oceania: Australia, New Zealand</p>
48.	<p><i>Xanthomonas axonopodis</i> pv. <i>vasculorum</i> (Cobb 1894) Vauterin et al. 1995; (Syn. <i>Bacillus vasculorum</i> Cobb 1893, <i>Bacterium vasculorum</i> (Cobb) Migula 1900, <i>Phytomonas vasculara</i> (Cobb) Bergey, <i>Phytomonas vasculorum</i> (Cobb) Bergey et al. 1923, <i>Pseudomonas vasculorum</i> (Cobb) Smith 1901, <i>Xanthomonas campestris</i> pv. <i>vasculorum</i> (Cobb 1894) Dye 1978, <i>Xanthomonas campestris</i> subsp. <i>vasculorum</i>, <i>Xanthomonas vasculorum</i> (Cobb) Dowson 1939); sugarcane gumming disease, gummosis of sugarcane, gummosis</p>	I	<p><i>Areca catechu</i> (pinang, betelnut palm), <i>Bambusa vulgaris</i> (common bamboo), <i>Cocos nucifera</i> (kelapa, coconut), <i>Coix lacryma-jobi</i>, <i>Dictyosperma album</i>, <i>Megathyrsus maximus</i> (Guinea grass), <i>Panicum</i> spp., <i>Pennisetum purpureum</i>, <i>Roystonea regia</i> (palem raja, florida royal palm), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Saccharum</i> sp., <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Sorghum halepense</i> (Johnson grass), <i>Sorghum sudanense</i> (Sudan</p>	<p>akar (roots), bibit (seedlings), biji (true seed), batang (stems), daun (leaves), kayu (woods), planlet, umbi (bulbs, corms, tubers)</p>	<p>Africa: Ghana, Madagascar, Malawi, Mauritius, Mozambique, Réunion, South Africa, Swaziland, Zimbabwe America: Antigua and Barbuda, Argentina, Barbados, Belize, Brazil, Colombia, Cuba, Dominica, Dominican Republic, French Guiana, Guadeloupe, Jamaica, Martinique, Mexico, Panama, Puerto Rico, Saint Kitts and Nevis, Saint Lucia, Saint</p>

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			grass), <i>Sorghum</i> sp. (sorgum, sorghum), <i>Thysanolaena latifolia</i> (Asian broom grass) <i>Zea mays</i> (jagung, corn, maize)		Vincent and the Grenadines, Trinidad and Tobago Asia: India Europe: Portugal Oceania: Australia, Fiji, Papua New Guinea
49.	<i>Xanthomonas axonopodis</i> pv. <i>vitians</i> (Brown 1918) Vauterin <i>et al.</i> 1995; (Syn. <i>Bacterium lactucae</i> Yamamoto 1934, <i>Bacterium vitians</i> Brown 1918, <i>Phytomonas lactucae</i> (Yamamoto) Burkholder 1939, <i>Phytomonas lactucae-scariolae</i> Thornberry and Anderson 1937, <i>Phytomonas vitians</i> (Brown) Bergey <i>et al.</i> 1923, <i>Pseudomonas lactucae</i> (Yamamoto) Krasil'nikov 1949, <i>Pseudomonas lactucae-scariolae</i> (Thornberry and Anderson) Krasil'nikov 1949, <i>Pseudomonas vitians</i> (Brown) Stevens 1925, <i>Xanthomonas campestris</i> pv. <i>vitians</i> (Brown 1918) Dye 1978, <i>Xanthomonas lactucae</i> (Yamamoto) Dowson 1943, <i>Xanthomonas lactucae-</i>	I	Asteraceae, Chenopodiaceae, <i>Lactuca sativa</i> (selada, lettuce), Malvaceae, Polygonaceae, Portulacaceae, Syngonium, <i>Syngonium podophyllum</i> (arrowhead vine)	batang (stems), biji (true seeds), daun (leaves)	Africa: South Africa, Zimbabwe America: Brazil, France West Indies, Hawaii, USA, Venezuela Asia: Georgia, Japan, Kazakhstan, Kyrgyzstan, Republic of Korea (South Korea), Saudi Arabia, Tajikistan, Turkmenistan, Turkey, Uzbekistan Europe: Armenia, Azerbaijan, Belarus, Estonia, Germany, Italy, Latvia, Lithuania, Moldova, Russian

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	<i>scariolae</i> (Thornberry and Anderson) Savulescu 1947, <i>Xanthomonas vitians</i> (Brown) Dowson 1943); bacterial leaf spot, lettuce bacterial spot				Federation, Ukraine Oceania: Australia
50.	<i>Xanthomonas campestris</i> pv. <i>armoraciae</i> (McCulloch) Dye 1978; (Syn. <i>Bacterium campestre</i> var. <i>armoraciae</i> 1929, <i>Phytomonas campestris</i> var. <i>armoraciae</i> (McCulloch) Bergey et al. 1930, <i>Pseudomonas campestris</i> var. <i>armoraciae</i> (McCulloch) Krasil'nikov 1949, <i>Xanthomonas armoraciae</i> (McCulloch) Burkholder 1959); <i>Xanthomonas</i> leaf spot, bacterial leaf spot of crucifer	I	<i>Armoracia rusticana</i> (lobak pedas, horseradish), <i>Brassica oleracea</i> var. <i>botrytis</i> (bunga kol, cauliflower), <i>Brassica oleracea</i> var. <i>gemmifera</i> (Brussels sprouts), <i>Brassica oleracea</i> var. <i>italica</i> (brokoli, broccoli), <i>Iberis</i> (candytuft)	batang (stems), biji (true seed), daun (leaves)	Africa: Zimbabwe America: Brazil, USA Asia: China, India, Japan, Turkey Europe: Ukraine Oceania: Australia
51.	<i>Xanthomonas cassavae</i> (ex Wiehe and Dows.) Vauterin et al. 1995; (Syn. <i>Xanthomonas campestris</i> pv. <i>Cassavae</i> (Wiehe and Dowson 1953) Maraitte and Weyns, <i>Xanthomonas ricini</i> f.sp. <i>cassavae</i> (Wiehe and Dowson) Sabet et al., 1969); cassava bacterial leaf spot, cassava	I	<i>Manihot esculenta</i> (ubi kayu, cassava)	batang (stems), daun (leaves)	Africa: Burundi, DR Congo, Kenya, Malawi, Rwanda, Tanzania, Uganda America: Colombia

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	bacterial necrosis				
52.	<i>Xanthomonas fragariae</i> Kennedy and King 1962; Angular leaf spot	I	<i>Fragaria ananassa</i> (strawberry)	bibit (seedlings), organ perbanyakan vegetatif (vegetative propagative materials)	Africa: Ethiopia, Reunion America: Argentina, Brazil, Canada, Mexico, USA, Paraguay, Uruguay, Venezuela Asia: China, Iran, Republic of Korea (South Korea), Taiwan Europe: Austria, Belgium, Bulgaria, Finland, France, Germany, Italy, Netherlands, Portugal, Slovenia, Spain, Switzerland
53.	<i>Xanthomonas hortorum</i> pv. <i>pelargonii</i> (Brown 1923) Vauterin <i>et al.</i> 1995; (Syn. <i>Bacterium geranii</i> (Burkholder) Dowson 1939, <i>Bacterium pelargonii</i> Brown 1923, <i>Phytomonas geranii</i> Burkholder 1937, <i>Pseudomonas</i>	I	<i>Geranium sanguineum</i> (bloody cranesbill), <i>Pelargonium</i> (pelargoniums), <i>Pelargonium graveolens</i> (rose geranium)	batang (stems), bunga (inflorescences), daun (leaves), tunas (buds, shoots)	Africa: Egypt, Morocco, South Africa America: Argentina, Brazil, Canada, USA Asia: Georgia, India, Iran, Japan,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	<p><i>geranii</i> (Brown) Stevens 1925, <i>Xanthomonas campestris</i> pv. <i>pelargonii</i> (Brown 1923) Dye 1978, <i>Xanthomonas</i> <i>geranii</i> (Burkholder) Dowson 1939, <i>Xanthomonas pelargonii</i> (Brown) Starr and Burkholder 1942); bacterial leaf spot of pelargonium, bacterial blight</p>			<p>Vektor: Hemiptera: Cicadellidae, Cercopidae</p>	<p>Kazakhstan, Kyrgyzstan, Tajikistan, Turkey, Turkmenistan, Uzbekistan Europe: Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Croatia, Denmark, Estonia, France, Germany, Greece, Hungary, Italy, Latvia, Lithuania, Moldova, Montenegro, Netherlands, North Macedonia, Portugal, Romania, Russian Federation, Serbia, Slovenia, Sweden, Switzerland, United Kingdom, Ukraine Oceania: Australia</p>



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54.	<p><i>Xanthomonas vasicola</i> pv. <i>holcicola</i> (Elliot 1930) Vauterin <i>et al.</i> 1995; (Syn. <i>Bacterium holcicola</i> Elliott 1930, <i>Phytomonas holcicola</i> (Elliott 1930) Bergey <i>et al.</i> 1934, <i>Pseudomonas holcicola</i> (Elliott 1930) Stapp 1935, <i>Xanthomonas campestris</i> pv. <i>holcicola</i> (Elliott 1930) Dye 1978, <i>Xanthomonas holcicola</i> (Elliott 1930) Starr and Burkholder 1942);</p> <p>streaky spot of sorghum and Sudan grass; melanosis of Panicum millet; bacterial streak of millet, bacterial leaf streak of sorgum, bacterial streak sorgum</p>	I	<p><i>Panicum miliaceum</i> (millet), <i>Setaria italica</i> (jawawut, foxtail millet), <i>Sorghum bicolor</i> (sorghum), <i>Sorghum halepense</i> (Johnson grass), <i>Sorghum sudanense</i> (Sudan grass), <i>Sorghum almum</i> (Columbusgrass), <i>Zea mays</i> (jagung, maize, corn)</p>	batang (stems), true seed), daun (leaves)	<p>Africa: Ethiopia, Gambia, Ivory Coast, Madagascar, Niger, South Africa, Togo America: Argentina, Mexico, USA, Venezuela Asia: Bangladesh, India, Iran, Israel, Kazakhstan, Pakistan, Philippines, Thailand Europe: France, Romania, Russian Federation, Ukraine Oceania: Australia, New Zealand, Solomon Islands</p>
55.	<p><i>Xylella fastidiosa</i> Wells <i>et al.</i> 1987; Pierce's disease of grapevines, citrus variegated chlorosis alfalfa dwarf, almond leaf scorch, dwarf lucerne, scorch, phony disease of peach, plum leaf scald, pecan bacterial leaf scorch</p>	I	<p><i>Acer saccharum</i>, <i>Acer</i> (maple), <i>Acer rubrum</i> (red maple), <i>Brachiaria</i> spp. (signalgrass), <i>Carya illinoensis</i> (pecan), <i>Chitalpa tashkentensis</i>, <i>Citrus latifolia</i> (jeruk nipis, tahiti lime), <i>Citrus reticulata</i></p>	akar (roots), batang (stems), bibit (seedlings), buah (fruits), bunga (inflorescence), daun (leaves), umbi lapis	<p>America: Argentina, Brazil, Canada, Costa Rica, Mexico, Paraguay, Puerto Rico, USA, Venezuela Asia: China, India, Taiwan, Turkey Europe: France, Italy,</p>

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			(jeruk mandarin), <i>Citrus reticulata x paradisi</i> (tangelo), <i>Citrus sinensis</i> (jeruk manis, navel orange), <i>Coffea</i> spp. (kopi, coffee), <i>Conium maculatum</i> (poison hemlock), <i>Cynodon</i> spp <i>Cyperus</i> (flatsedge), <i>Digitaria</i> spp., <i>Echinochloa frumentacea</i> (japanese millet), <i>Fragaria vesca</i> (wild strawberry), <i>Lolium</i> spp (ryegrasses), <i>Lolium multiflorum</i> (Italian ryegrass), <i>Liquidambar styraciflua</i> , <i>Medicago sativa</i> (alfalfa, lucerne), <i>Morus alba</i> (murbei, mulberry), <i>Nerium oleander</i> (oleander), <i>Platanus occidentalis</i> (sycamore), <i>Paspalum</i> spp., <i>Paspalum dilatatum</i> (dallis grass), <i>Passiflora foetida</i> (red fruit passion flower), Poaceae (grasses), <i>Persea</i>	(corms)  Vektor: Hemiptera, Cicadellidae: <i>Cicadella viridis</i> , <i>Carneocephala fulgida</i> , <i>Draeculacephala minerva</i> , <i>Graphocephala atropunctata</i> , Hemiptera, Cercopidae: <i>Philaenus spumarius</i>	Portugal, Spain, Switzerland

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			<p><i>americana</i> (avocad, avocado), <i>Prunus angustifolia</i> (Mountain cherry tree), <i>Prunus dulcis</i> (badam, almond), <i>Prunus persica</i> (persik, peach), <i>Prunus salicina</i> (Japanese plum), <i>Pyrus communis</i> (pir, pear), <i>Quercus rubra</i> (northern red oak), <i>Rubus</i> spp. (blackberry, raspberry), <i>Sambucus</i> spp. (Elderberry), <i>Salix</i> spp., <i>Taraxacum officinale</i>, <i>Taraxacum officinale complex</i> (dandelion), <i>Trifolium</i> spp., <i>Trifolium</i> (clover), <i>Ulmus</i> (elm), <i>Ulmus americana</i> (american elm), <i>Vinca minor</i>, <i>Vitis labrusca</i> (fox grape), <i>Vitis rupestris</i> (sand-grape), <i>Vitis vinifera</i> (anggur, grapevine)</p>		
56.	<i>Xylophilus ampelinus</i> (Panagopoulos 1969) Willems <i>et al.</i> 1987;	I	<i>Vitis vinifera</i> (anggur, grapevine)	batang (stems)	Africa: South Africa Asia: Turkey

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	(Syn. <i>Xanthomonas ampelina</i> Panagopoulos 1969); canker of grapevine, bacterial blight of grapevine, black arm				Europe: Bosnia and Herzegovina, Croatia, France, Greece, Italy, Moldova, Montenegro, North Macedonia, Portugal, Serbia, Slovenia, Spain, Switzerland

10. MOLLICUTE

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
1.	<i>Candidatus</i> Phytoplasma asteris; (Syn. <i>Aster yellows phytoplasma</i> <i>group</i> ); tomato big bud; western aster yellows; periwinkle little leaf; eastern aster yellows; purple coneflower yellows;	I	<i>Ambrosia artemisiifolia</i> (common ragweed), <i>Allium</i> <i>cepa</i> (bawang bombay, onion), <i>Alstroemeria</i> (Inca lily), <i>Anemone coronaria</i> (Poppy anemone), <i>Apium</i>	akar (roots), batang (stems), buah (fruits), bunga (inflorescences), daun (leaves)	Africa: South Africa America: Argentina, Bermuda, Brazil, Canada, Colombia, Cuba, Guatemala, Mexico, Peru, Saint

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	multiplier disease		<i>graveolens</i> (seledri, celery), <i>Brassica napus</i> var. <i>napus</i> (rape), <i>Brassica oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Brassica oleracea</i> var. <i>italica</i> (broccoli), <i>Brassica rapa</i> subsp. <i>rapa</i> (turnip), <i>Catharanthus</i> <i>roseus</i> (tapak dara, pink periwinkle), <i>Celtis australis</i> (European nettle wood), <i>Cornus racemosa</i> (gray dogwood), <i>Cryptotaenia</i> <i>canadensis</i> (honestwort), <i>Cucurbita pepo</i> ( labu kuning, zukini, zucchini), <i>Cyclamen persicum</i> (cyclamens), <i>Calendula</i> <i>officinalis</i> (Pot marigold), <i>Conyza canadensis</i> (Canadian fleabane), <i>Callistephus chinensis</i> (China aster), <i>Chrysanthemum</i> <i>coronarum</i> (garland		Vincent and the Grenadines, USA Asia: China, India, Iran, Japan, Lebanon, Malaysia, Myanmar, Pakistan, Republic of Korea (South Korea), Taiwan, Thailand, Turkey Europe: Belarus, Belgium, Czech Republic, Finland, France, Germany, Greece, Hungary, Italy, Lithuania, Poland, Portugal, Russian Federation, Spain, UK, Ukraine Oceania: Australia

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			chrysanthemum), <i>Chrysanthemum frutescens</i> (marguerite), <i>Daucus carota</i> (wortel, carrot), <i>Delphinium</i> <i>hybrids</i> (florist's larkspur), <i>Echinacea purpurea</i> (purple coneflower), <i>Eucalyptus</i> , <i>Eupatorium capillifolium</i> (Dog fennel), <i>Euphorbia</i> <i>pulcherrima</i> (kastuba, poinsettia), <i>Fragaria</i> <i>ananassa</i> (stroberi, strawberry), <i>Gladiolus</i> <i>hybrids</i> (sword lily), <i>Hydrangea macrophylla</i> (French hydrangea), <i>Lactuca sativa</i> (selada, lettuce), <i>Lotus corniculatus</i> (bird's-foot trefoil), <i>Lepidium draba</i> (hoary cress), <i>Malva</i> (mallow), <i>Morus bombycis</i> (Japanese mulberry), <i>Myrtus</i> <i>communis</i> (myrtle), <i>Olea</i> <i>europaea</i> subsp. <i>europaea</i>		

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			(zaitun, olive), <i>Opuntia</i> sp. (pricklypear), <i>Papaver</i> <i>rhoeas</i> (common poppy), <i>Paulownia tomentosa</i> (paulownia), <i>Primula</i> sp. (primrose), <i>Petroselinum</i> <i>crispum</i> (peterseli, parsley), Populus (poplars), <i>Populus</i> <i>nigra</i> (black poplar), <i>Portulaca oleracea</i> (purslane), <i>Prunus</i> <i>armeniaca</i> (aprikot, apricot), <i>Prunus persica</i> var. <i>nucipersica</i> (nectarine), <i>Prunus salicina</i> (japanese plum), <i>Ranunculus</i> <i>asiaticus</i> (garden crowfoot), <i>Raphanus raphanistrum</i> (wild radish), <i>Stellaria</i> <i>media</i> (common chickweed), <i>Santalum</i> <i>album</i> (Indian sandalwood), <i>Solanum melongena</i> (terung, eggplant, aubergine), <i>Solanum</i>		

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			<i>tuberosum</i> (kentang, potato), <i>Solidago</i> (goldenrod), <i>Spiraea tomentosa</i> (hardhack), <i>Spinacia oleracea</i> (spinach), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Tagetes patula</i> (French marigold), <i>Trifolium repens</i> (semanggi, white clover), <i>Trifolium pratense</i> (semanggi, purple clover), <i>Vaccinium</i> (blueberries), <i>Vitis vinifera</i> (anggur, grapevine), <i>Zea mays</i> (jagung, maize, corn)		
2.	<i>Candidatus</i> Phytoplasma mali; (Syn. <i>Apple proliferation phytoplasma</i> ); apple proliferation	I	<i>Catharanthus roseus</i> (tapak dara, pink periwinkle), <i>Corylus avellana</i> , <i>Convolvulus arvensis</i> (bindweed), <i>Cynodon dactylon</i> (rumpit bermuda, bermuda grass), <i>Dahlia</i> sp., <i>Lilium</i> sp., <i>Malus domesticum</i> (apel, apple), <i>Malus</i> spp., <i>Prunus</i>	suluran (stolon), tunas (buds, shoots), bagian vegetatif lainnya (vegetative materials)  Vektor: Hemiptera,	Africa: Tunisia America: USA Asia: Turkey, Syria Europe: Albania, Austria, Belarus, Bosnia and Herzegovina, Belgium, Bulgaria, Croatia, Czech Republic, Finland, France,



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			<i>armeniaca</i> (aprikot, apricot), <i>Prunus avium</i> (ceri manis, sweet cherry), <i>Prunus domestica</i> ( <u>prem</u> , <u>plum</u> ), <i>Prunus salicina</i> (Japanese plum), <i>Pyrus communis</i> (pir, pear), <i>Vitis vinifera</i> (anggur, grapevine)	Cercopidae: <i>Philaenus spumarius</i> ; Hemiptera, Aphrophoridae: <i>Aphrophora alni</i> , <i>Lepyronia coleoptrata</i> ; Hemiptera, Psyllidae: <i>Cacopsylla costalis</i> , <i>Cacopsylla Mali</i> , <i>Cacopsylla picta</i>	Germany, Gibraltar, Greece, Hungary, Ireland, Italy, Kosovo, Moldova, Montenegro, Netherlands, North Macedonia, Norway, Poland, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: New Zealand
3.	<i>Candidatus</i> Phytoplasma palmae; (Syn. <i>Coconut lethal yellowing phytoplasma</i> , <i>Coconut lethal yellowing mycoplasma-like organism</i> , <i>palm lethal yellowing phytoplasma</i> ); lethal yellowing of palm; Cape St Paul disease; Cape Three Point disease; Keincope; Kribi	I	Arecaceae, <i>Arenga engleri</i> , <i>Borassus flabellifer</i> (siwalan, lontar, palmyra palm), <i>Caryota mitis</i> (fishtail palm), <i>Chrysalidocarpus cabadae</i> , <i>Corypha utan</i> , <i>Dictyosperma album</i> , <i>Cocos nucifera</i> (kelapa, coconut), <i>Elaeis guineensis</i> (kelapa sawit, oil palm), <i>Howea forsteriana</i> , <i>Hyophorbe</i>	bibit (seedlings), biji (true seed)  Vektor: Hemiptera, Cixiidae: <i>Myndus crudus</i> ; Cicadellidae, Fulgoridae	Africa: Benin, Cameroon, Ghana, Kenya, Mozambique, Nigeria, Tanzania, Togo America: Antigua and Barbuda, Belize, Cayman Islands, Cuba, Dominica, Guatemala, Guyana, Haiti, Honduras,

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			<i>verschaffeltii</i> , <i>Phoenix canariensis</i> , <i>Phoenix dactylifera</i> (kurma, date palm), <i>Phoenix reclinata</i> , <i>Phoenix sylvestris</i> , <i>Latania spp.</i> , <i>Livistona chinensis</i> , <i>Livistona rotundifolia</i> , <i>Pandanus utilis</i> (pandan, common screwpine), <i>Trachycarpus fortunei</i> , <i>Veitchia macandielsii</i> , <i>Veitchia merrillii</i>		Jamaica, Mexico, Netherland Antilles, Saint Kitts and Nevis, USA Asia: India Europe: Netherlands Oceania: Australia, Papua New Guinea
4.	<i>Candidatus</i> Phytoplasma pyri Seemuller and Schneider 2004; (Syn. <i>Pear decline phytoplasma</i> Seemuller <i>et al.</i> 1994); pear decline, apple rubbery wood; quince chlorotic blotch; pear rubbery wood disease	I	<i>Cydonia oblonga</i> (quince), <i>Malus domestica</i> (apel, apple), <i>Malus baccata</i> (siberian crab apple), <i>Prunus avium</i> (ceri manis, sweet cherry), <i>Prunus cerasus</i> (kersen, sour cherry), <i>Pyrus communis</i> (pir, pear)	akar (roots), bahan perbanyakan vegetative (vegetative propagative material, batang (stems), bibit (seedlings), tanaman hasil mikropropagasi (micropropagate d plants)	Africa: Libya, Tunisia America: Canada, Chile, USA Asia: Iran, Lebanon, Turkey Europe: Albania, Austria, Azerbaijan, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, France, Germany, Greece, Hungary, Italy,

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM ( <i>SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	INANG / <i>HOST</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
					Moldova, Montenegro, Netherlands, North Macedonia, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Switzerland, United Kingdom Oceania: Australia
5.	<i>Candidatus</i> Phytoplasma trifolii; (Syn. <i>Phytoplasma trifolii</i> ); Clover proliferation	I	<i>Allium sativum</i> (bawang putih, garlic), <i>Araucaria heterophylla</i> (Norfolk Island pine), <i>Brassica napus</i> var. <i>oleifera</i> , <i>Calotropis gigantean</i> (Yercum fibre), <i>Catharanthus roseus</i> (tapak dara, pink periwinkle), <i>Dicentra spectabilis</i> (bleeding heart), <i>Glycine max</i> (kedelai, soybean), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum</i>	akar (roots), batang (stems), umbi bulbs, corms, tubers), daun (leaves), bunga (inflorescences), buah (fruits)	America: Canada, Mexico, USA Asia: China, Georgia, India, Iran, Japan, Kyrgyzstan, Malaysia, Uzbekistan Europe: Armenia, Azerbaijan, Belarus, Bulgaria, Estonia, Italy, Latvia, Lithuania, Moldova, Poland, Russian Federation, Ukraine Oceania: Australia, Tonga

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/ HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<i>tuberosum</i> (kentang, potato), <i>Sauropus androgynous</i> (katuk, sweet leaf), <i>Trifolium hybridum</i> (Alsike clover), <i>Trifolium pratense</i> (semanggi, purple clover), <i>Trifolium repens</i> (semanggi, white clover), <i>Salix</i> spp. (willows)		
6.	<i>Grapevine flavescence doree phytoplasma</i> ; (Syn. <i>Flavescence doree MLO</i> , <i>Flavescence doree mycoplasma like organism</i> , <i>Grapevine yellows</i> ); Flavescence doree of grapevine	I	<i>Chrysanthemum</i> spp., <i>Vitis vinifera</i> (anggur, grapevine) <i>Vinca rosea</i> (tapak dara, rosy periwinkle)	suluran (stolon), tunas (buds, shoots), bagian vegetatif lainnya (vegetative materials)  Vektor: Hemiptera, Cicadellidae: <i>Scaphoideus titanus</i>	Europe: Austria, Croatia, France, Germany, Hungary, Italy, Montenegro, Netherlands, Portugal, Serbia, Slovenia, Spain, Switzerland
7.	<i>Spiroplasma citri</i> (Saglio <i>et al</i> 1973).; citrus stubborn disease	I	<i>Armoracia rusticana</i> (horseradish), <i>Brassica rapa</i> , <i>Brassica nigra</i> ,	bibit (seedlings) Vektor: Hemiptera,	Africa: Algeria, Egypt, Libya, Morocco, Somalia, Sudan,

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM (SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME)	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			<p><i>Brassica chinensis</i>, <i>Brassica pekinensis</i>, <i>Citrus aurantium</i> (sour orange), <i>Citrus limon</i> (lemon), <i>Citrus reticulata</i> (mandarin), <i>Citrus reticulata x paradisi</i> (tangelo), <i>Citrus sinensis</i> (navel orange), <i>Citrus paradisi</i> (grapefruit)</p> <p>Amaranthaceae, Brassicaceae (cruciferous crops), <i>Capsella bursa-pastoris</i> (shepherd's purse), Chenopodiaceae, <i>Citroncirus webberi</i> (citrange), <i>Citrus jambhiri</i> (rough lemon), <i>Citrus limettioides</i> (palestine sweet lime), <i>Citrus limonia</i> (mandarin lime), <i>Citrus madurensis</i> (calamondin), <i>Citrus maxima</i> (pummelo), <i>Citrus unshiu</i> (satsuma), <i>Citrus</i> spp., <i>Cucurbita pepo</i> (labu kuning, zukini, zucchini), <i>Daucus carota</i></p>	<p>Cicadellidae: <i>Circulifer tenellus</i>, <i>Scaphytopius nitrides</i>, <i>Scaphytopiuacutus delongi</i>, <i>Neoliturus haematoceps</i></p>	<p>Tunisia America: USA Asia: Iran, Iraq, Israel, Jordan, Lebanon, Malaysia, Oman, Pakistan, Saudi Arabia, Syria, Turkey, United Arab Emirates, Yemen Europe: Cyprus, France, Italy, Spain Oceania: New Zealand</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			(wortel, carrot), <i>Digitalis purpurea</i> (foxglove), <i>Fortunella</i> (kumkuat, kumquat), <i>Pisum sativum</i> (kapri, sweet pea), Plantaginaceae, <i>Plantago ovata</i> (spogel plantain), <i>Raphanus raphanistrum</i> (wild radish), <i>Raphanus sativus</i> (lobak, radish), <i>Sorghum halepense</i> (Johnson grass), <i>Trifolium pratense</i> (semanggi merah, red clover), <i>Trifolium repens</i> (semanggi putih, white clover), <i>Vicia faba</i> (kacang babi, broad bean), <i>Vinca rosea</i> (tapak dara, rosy periwinkle)		
8.	<i>Spiroplasma kunkelii</i> (Whitcomb, Chen <i>et al.</i> 1986); corn stunt disease, corn stunt spiroplasma, maize stunt spiroplasma, Rio Grande corn stunt	I	<i>Zea perennis</i> , <i>Zea mays</i> (jagung, corn, maize), <i>Zea mays</i> subsp. <i>mays</i> (jagung manis, sweetcorn), <i>Zea mexicana</i> (teosinte)	akar (roots), batang (stems), daun (leaves)  Vektor: Hemiptera,	America: Argentina, Belize, Bolivia, Brazil, Colombia, El Salvador, Guatemala, Honduras, Jamaica, Mexico, Nicaragua, Panama,

No.	NAMA ILMIAH / SINONIM / KLASIFIKASI / NAMA UMUM ( <i>SCIENTIFIC NAME / SYNONIM / TAXON / COMMON NAME</i> )	GOLONGAN / GROUP	INANG / HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
				Cicadellidae: <i>Dalbulus maydis</i> , <i>Dalbulus eliminatus</i> , <i>Exitianus exitiosus</i> , <i>Graminella nigrifons</i> , <i>Stirellus bicolor</i>	Paraguay, Peru, USA, Venezuela
9.	<i>Strawberry lethal decline phytoplasma</i> ; northwest disease	I	<i>Fragaria</i> sp., <i>Fragaria ananassa</i> (stroberi, strawberry), <i>Fragaria chiloensis</i> (Chilean strawberry), <i>Fragaria vesca</i> (wild strawberry)	akar (roots), batang (stems), bibit tanaman (seedlings), bunga (inflorescences), daun (leaves)	America: Canada, USA
10.	<i>Sugarcane grassy shoot phytoplasma</i> ; grassy shoot; grassy stunt; Sugarcane grassy shoot;	I	<i>Brachiaria mutica</i> , <i>Cynodon dactylon</i> (rumput bermuda, bermuda grass), <i>Imperata arundinacea</i> (alang-alang, cogon grass), <i>Pennisetum purpureum</i> , <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Saccharum</i>	batang (stems), mata tunas (buds), stek (cuttings)  Vektor: Hemiptera, Aphididae:	Africa: Sudan Asia: Bangladesh, India, Iran, Japan, Malaysia, Myanmar, Nepal, Pakistan, Sri Lanka, Taiwan, Thailand, Yemen

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			<i>spontaneum</i> (wild sugarcane), <i>Sorghum bicolor</i> (sorgum, sorghum)	<i>Melanaphis sacchari</i> f. sp <i>indosacchari</i>	
11.	<i>Sugarcane ramu stunt phytoplasma</i> ; ramu stunt disease	I	Poaceae (grasses), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Saccharum robustum</i> (robust cane), <i>Saccharum spontaneum</i> (wild sugarcane), <i>Saccharum</i> sp.	batang (stems), bibit (seedlings), mata tunas (buds), stek (cuttings)  Vektor: Hemiptera, Delphacidae: <i>Eumetopina flavipes</i>	Oceania: Papua New Guinea
12.	<i>Sugarcane white leaf phytoplasma</i> ; white leaf of sugarcane	I	<i>Brachiaria subquadripata</i> , <i>Chloris barbata</i> , <i>Cynodon dactylon</i> (rumput bermuda, bermuda grass), <i>Dactyloctenium aegyptium</i> (crowfoot grass), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Saccharum spontaneum</i> , <i>Saccharum</i>	akar (roots), batang (stems), bunga (inflorescences), daun (leaves), stek (cuttings), tunas (buds, shoots)	Africa: Sudan Asia: Bangladesh, China, India, Iran, Japan, Myanmar, Nepal, Pakistan, Sri Lanka, Taiwan, Thailand



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			<i>edule</i> (terubuk), <i>Saccharum robustum</i> (robust cane), <i>Sporobolus fertilis</i>	Vektor: Hemiptera, Cicadellidae: <i>Matsumuratettix hiroglyphicus</i> , <i>Yamatotettix flavovittatus</i>	

11. VIRUS (VIRUSES)

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
1.	<i>African cassava mosaic begomovirus</i> (ACMV); (Syn. <i>African cassava mosaic virus</i> , <i>African cassava mosaic</i> , <i>Cassava latent virus</i> , <i>Cassava latent geminivirus</i> , <i>Cassava mosaic virus</i> , <i>Cassava African mosaic begomovirus</i> , <i>Indian cassava mosaic disease</i> )	I	<i>Centrosema pubescens</i> (centro), <i>Glycine max</i> (kedelai, soybean), <i>Hewittia sublobata</i> , <i>Jatropha</i> sp., <i>Laportea (Fluerya) aestuans</i> , <i>Leucaena leucocephala</i> (leucaena), <i>Manihot esculenta</i> (ubi kayu,	batang (stems (above ground), trunks, branches), suluran (stolons), tunas (shoots, buds), umbi (bulbs,	Africa: Angola, Benin, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Congo, DR Congo, Equatorial Guinea, Ethiopia,

			cassava), <i>Manihot glaziovii</i> , <i>Pueraria phaseoloides</i> (tropical kudzu), <i>Ricinus</i> spp. (jarak, castor), <i>Senna occidentalis</i> (coffee senna)	corms, tubers)  Vektor: <i>Bemesia tabacchi</i> (kutu kebul, white fly)	Gabon, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mauritania, Mauritius, Mozambique, Nigeria, Rwanda, São Tomé and Príncipe, Senegal, Seychelles, Sierra Leone, South Africa, Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe Asia: Cambodia, India, Lao PDR (Laos), Pakistan, Sri Lanka, Thailand, Vietnam
2.	<i>Agropyron mosaic rymovirus</i> (AgMV); (Syn. <i>Agropyron mosaic mild isolate</i> , <i>Agropyron mosaic virus</i> , <i>Agropyron green mosaic virus</i> , <i>Agropyron yellow mosaic virus</i> , <i>Agropyron streak mosaic virus</i> , <i>Couch grass streak mosaic virus</i> , <i>Marmor agropyri</i> , <i>Wheat virus 2</i> )	I	<i>Bromus secalinus</i> (Rye brome), <i>Elymus repens</i> (quackgrass), <i>Elytrigia intermedia</i> , <i>Elytrigia repens</i> , <i>Hordeum vulgare</i> (barli, barley), <i>Lolium multiflorum</i> (Italian ryegrass), <i>Lophopyrum elongatum</i> , <i>Poa pratensis</i> , <i>Secale cereal</i> (rye), <i>Setaria viridis</i> ,	biji (true seeds, grains), suluran (stolons), rimpang (rhizomes)  Vektor: Eriophyidae: <i>Abacarus hystrix</i>	America: Canada, USA Europe: Finland

			<i>Triticum aestivum</i> (gandum, wheat), <i>Triticum turgidum</i> (gandum, durum wheat), <i>Triticum durum</i> (gandum durum, durum wheat)		
3.	<i>Alfalfa mosaic alfamovirus</i> (AMV); (Syn. <i>Alfalfa virus 1&amp;2</i> , <i>Alfalfa yellow spot</i> , <i>Lucerne mosaic virus</i> , <i>Marmor medicaginis</i> , <i>Potato calico virus</i> )	I	<i>Apium graveolens</i> (seledri, celery), <i>Cajanus cajan</i> (kacang gude, pigeon pea), <i>Capsicum annuum</i> (cabai, paprika, bell pepper), <i>Cercis siliquastrum</i> (pohon Yudas, Judas tree), <i>Cicer arietinum</i> (kacang arab, chick pea), <i>Coriandum sativum</i> (ketumbar, coriander), Cucurbitaceae, <i>Cyphomandra betacea</i> (terung Belanda, tree tomato), <i>Euonymus japonicus</i> , <i>Eutrema wasabi</i> (wasabi), <i>Glycine max</i> (kedelai, soyabean), <i>Hibiscus cannabinus</i> (kenaf, jute), <i>Lactuca sativa</i> (selada, lettuce), <i>Lavandula latifolia</i> (lavender, lavender), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Pelargonium (geranium)</i> ,	akar (roots), batang (stems (above ground), trunks, branches), bibit (seedlings, micropropagated plants), biji (true seeds, grains), buah (fruits), daun (leaves), polong (pods)  Vektor: Hemiptera, Aphididae: <i>Acyrtosiphon pisum</i> , <i>Myzus persicae</i>	Africa: Algeria, Egypt, Ethiopia, Kenya, Libya, Morocco, Nigeria, South Africa, Sudan, Tanzania, Tunisia, Zambia America: Argentina, Brazil, Canada, Chile, Colombia, Ecuador, Mexico, Panama, Peru, USA, Venezuela Asia: Bangladesh, China, India, Iran, Iraq, Israel, Japan, Jordan, Kyrgyzstan, Lebanon, Myanmar, Nepal, Oman, Pakistan, Republic of Korea (South Korea), Saudi Arabia, Syria, Taiwan, Tajikistan, Turkey, Uzbekistan, Yemen Europe: Austria, Belarus, Belgium,

			<p><i>Pisum sativum</i> (kacang kapri, pea), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum melongena</i> (terung, aubergine, eggplant), <i>Solanum tuberosum</i> (kentang, potato), <i>Trifolium incarnatum</i> (semanggi Italia, crimson clover), <i>Trifolium pratense</i> (semanggi merah, red clover), <i>Trifolium repens</i> (semanggi putih, white clover), <i>Trifolium subterraneum</i>, <i>Viburnum opulus</i> (guelder rose), <i>Vicia faba</i> (kacang babi, broadbean), <i>Vigna angularis</i> (kacang merah, kidney bean), <i>Vigna radiata</i> (kacang hijau, mung bean), <i>Vigna unguiculata</i> (kacang tunggak, cowpea), <i>Vinca minor</i> (common periwinkle), <i>Vitis vinifera</i> (anggur, grapevine)</p>		<p>Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Lithuania, North Macedonia, Montenegro, Netherlands, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Switzerland, United Kingdom, Ukraine Oceania: Australia, New Zealand</p>
4.	<p><i>Andean potato latent tymovirus</i> (APLV); (Syn. <i>Andean potato latent virus</i>, <i>Potato Andean latent tymovirus</i>, <i>Potato</i></p>	I	<p><i>Solanum</i>, <i>Solanum tuberosum</i> (kentang, potato), <i>Ullucus tuberosus</i> (ulluco)</p>	<p>akar (roots), batang (stems (above ground), trunks,</p>	<p>America: Argentina, Bolivia, Chile, Colombia, Ecuador, Peru</p>

	<i>Andean latent virus)</i>			branches), bunga (flowers, inflorescences, cones, calyx), bibit (seedlings, micropropagate d planted), biji (true seeds, grains), buah (fruits), daun (leaves), umbi (bulbs, corms, tubers)  Vektor: Coleoptera: Chrysomelidae: <i>Epitrix</i> sp.	
5.	<i>Andean potato mottle comovirus</i> (APMoV); (Syn. <i>Potato Andean mottle comovirus</i> , <i>Potato Andean mottle virus</i> , <i>Andean mottle of potato</i> )	I	<i>Capsicum annuum</i> (cabai, paprika, bell pepper), <i>Capsicum frutescens</i> (cabai, chili), <i>Capsicum chinense</i> (habanero pepper), <i>Solanum aethiopicum</i> (African scarlet eggplant), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum melongena</i> (terung, aubergine, eggplant), <i>Solanum sisymbriifolium</i>	akar (roots), batang (stems (above ground), trunks, branches), bibit (seedlings, micropropagate d plants), buah (fruits), bunga (flowers, inflorescences, cones, calyx),	America: Argentina, Bolivia, Brazil, Chile, Colombia, Costa Rica, Ecuador, Honduras, Nicaragua, Peru

			(sticky nightshade), <i>Solanum tuberosum</i> (kentang, potato)	daun (leaves), tanaman (whole plants), umbi (bulbs, corms, tubers)  Vektor: Coleoptera: Chrysomelidae	
6.	<i>Apple chlorotic leaf spot trichovirus</i> (ACLSV); (Syn. <i>Apple chlorotic leaf spot virus</i> , <i>Apple latent virus type 1</i> , <i>Apple latent 1 virus</i> , <i>Bark split virus</i> , <i>Peach green mottle virus</i> , <i>Pear ring pattern mosaic virus</i> , <i>Pear ring mosaic virus</i> , <i>Pear ring pattern mosaic virus</i> , <i>Plum bark split virus</i> , <i>Plum pseudopox virus</i> , <i>Quince stunt virus</i> , <i>Apricot butteratura</i> )	I	<i>Amelanchier canadensis</i> (thicket serviceberry), <i>Capsicum annuum</i> (cabai, paprika, bell pepper), <i>Chaenomeles</i> (flowering quinces), <i>Crataegus monogyna</i> (hawthorn), <i>Crataegus rhipidophylla</i> (Midland hawthorn), <i>Cydonia oblonga</i> (quince), <i>Malus</i> (ornamental species apple), <i>Malus domestica</i> (apel, apple), <i>Malus platycarpa</i> (big fruit crab apple), <i>Mespilus germanica</i> (medlar), <i>Prunus armeniaca</i> (aprikot, apricot), <i>Prunus avium</i> (ceri, sweet cherry), <i>Prunus cerasifera</i> (myrobalan plum), <i>Prunus cerasus</i> (kersen, sour	batang (stems (above ground), trunks, branches), daun (leaves), kayu (woods), tunas (shoots, buds)	Africa: Algeria, Egypt, Ethiopia, Morocco, South Africa, Tunisia America: Argentina, Brazil, Canada, Chile, Uruguay, USA Asia: Afghanistan, China, Georgia, India, Iran, Iraq, Israel, Japan, Jordan, Kazakhstan, Lebanon, Republic of Korea (South Korea), Syria, Taiwan, Turkey Europe: Albania, Austria, Belarus, Belgium, Bosnia and Herzegovia, Bulgaria, Croatia, Czech Republic, Denmark, Finland, France,

			cherry), <i>Prunus domestica</i> (prem, plum), <i>Prunus persica</i> (persik, peach), <i>Prunus salicina</i> (Japanese plum), <i>Prunus spinosa</i> (blackthorn), <i>Prunus tomentosa</i> (Nanking cherry tree), <i>Pyrus communis</i> (pir, pear), <i>Pyrus pyrifolia</i> (Oriental pear tree), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum tuberosum</i> (kentang, potato), <i>Sorbus aucuparia</i> (mountain ash)		Germany, Greece, Hungary, Italy, Latvia, Malta, Moldova, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand
7.	<i>Apple fruit crinkle apscaviroid</i> (AFCVd); (Syn. <i>Apple green crinkle disease</i> , <i>Apple green crinkle</i> , <i>Apple fruit crinkle apscaviroid</i> )	I	<i>Diospyros kaki</i> (Japanese persimmon), <i>Malus domestica</i> (apel, apple)	batang (stems (above ground), trunks, branches), daun (leaves), tanaman (whole plants), tunas (shoots, buds)	America: USA Asia: Japan
8.	<i>Apple mosaic ilarvirus</i> (ApMV); (Syn. <i>Apple mosaic ilarvirus</i> , <i>European plumline pattern virus</i> , <i>Mountain ash variegation virus</i> , <i>Birch line pattern virus</i> , <i>Birch ringspot virus</i> , <i>Dutch plum line pattern virus</i> , <i>Hop A virus</i> , <i>Horse chestnut yellow mosaic virus</i> , <i>Rose</i>	I	<i>Artemisia vulgaris</i> (mugwort), <i>Betula</i> sp. (birch), <i>Betula pendula</i> , <i>Common silver birch</i> , <i>Campanula</i> (campanulas), <i>Clematis vitalba</i> (old man's beard), <i>Corylys</i> , <i>Corylus</i>	akar (roots), batang (stems (above ground), trunks, branches), buah (fruit), polong (pods),	Africa: Algeria, Kenya, Maroco, South Africa, Tunisia, Zimbabwe America: Argentina, Brazil, Canada, Chile, Mexico, USA, Uruguay Asia: Bangladesh,

	<i>mosaic virus, Hop virus A, Hop virus C, Mild apple mosaic virus, Severe apple mosaic virus, chestnut mosaic</i> )		<i>avellana</i> (hazel), <i>Cydonia oblongata</i> (quince), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Fragaria</i> sp., <i>Humulus lupulus</i> (common hop), <i>Malus</i> sp. (ornamental species apple), <i>Malus domestica</i> (apel, apple), <i>Malus sylvestris</i> (crab apple tree), <i>Prunus</i> sp. (stone fruit), <i>Prunus americana</i> (aprikot, apricot), <i>Prunus avium</i> (ceri, sweet cherry), <i>Prunus domestica</i> (prem, plum), <i>Prunus dulcis</i> (almon, badam, almond), <i>Prunus persica</i> (persik, peach), <i>Ribes rubrum</i> , <i>Rosa</i> sp. (mawar, rose), <i>Rubus</i> spp., <i>Rubus canescens</i> , <i>Rubus occidentalis</i> (black raspberry), <i>Rubus parviflorus</i> (thimbleberry), <i>Salvia verbenaca</i> , <i>Scandix</i> , <i>Vigna unguiculata</i> (kacang tunggak, cowpea)	bunga (flowers, inflorescences, cones, calyx), tunas (shoots, buds)	China, India, Japan, Jordan, Lebanon, Syria, Turkey Europe: Albania, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Belarus, Croatia, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Italy, Latvia, North Macedonia, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom, Ukraine Oceania: Australia, New Zealand
9.	<i>Apple stem grooving capillovirus</i> (ASGV); (Syn. <i>Apple topworking disease</i> , <i>Apple brown line virus</i> , <i>Apple dark green</i> )	I	<i>Aronia melanocarpa</i> (black chokeberry), <i>Citrus</i> sp. (jeruk, orange), <i>Cotoneaster</i> sp., <i>Cotoneaster bullatus</i>	akar (roots), batang (stems (above ground), trunks,	Africa: Egypt, Ethiopia, Morocco, South Africa, Swaziland, Tunisia America: Brazil,



	<p><i>epinasty virus, Apple E36 virus, Apple latent virus type 2, Apple stem grooving capillovirus, Apple top working disease, brown line virus disease, Chenopodium dark green epinasty virus, Citrange stunt virus, Citrus tatter leaf virus, Crab apple decline, Brown line virus disease, Chenopodium dark green epi-nasty virus, Crab stem grooving virus, Virginia crab apple decline, Virginia crab stem grooving virus)</i></p>		<p>(hollyberry cotoneaster), <i>Cydonia oblonga</i> (quince), <i>Lilium</i> sp. (lili, liliium), <i>Malus</i> sp. (ornamental species apple), <i>Malus micromalus</i> (Kaido crab apple), <i>Malus pumila</i> (apel, common apple), <i>Malus</i> sp., <i>Malus sylvestris</i> (crab apple tree), <i>Malus toringo</i> (toringo crab), <i>Prunus armeniaca</i> (aprikot, apricot), <i>Prunus avium</i> (ceri, sweet cherry), <i>Prunus mume</i> (aprikot Jepang, Japan apricot), <i>Pyronia veitchii</i>, <i>Pyrus communis</i> (pir, pear), <i>Pyrus pyrifolia</i> (Oriental pear tree), <i>Sorbus aucuparia</i> (European mountain ash)</p>	<p>branches), biji (true seeds, grain), bunga (flowers, inflorescences, cones, calyxes), daun (leaves), kayu (woods), tanaman (whole plants)</p>	<p>Canada, Netherlands Antilles, USA Asia: China, DPR Korea (North Korea), Georgia, India, Israel, Japan, Jordan, Nepal, Lebanon, Nepal, Pakistan, Republic of Korea (South Korea), Syria, Taiwan, Turkey Europe: Albania, Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, France, Germany, Greece, Hungary, Italy, Latvia, Lithuania, North Macedonia, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom, Ukraine</p>
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					Oceania: Australia, New Zealand
10.	<i>Apple stem pitting foveavirus (ASPV); (Syn. Apple Spy 227 epinasty &amp; decline, Pear stony pit, Quince sooty ringspot, Pear vein yellows, Pear red mottle)</i>	I	<i>Crataegus monogyna</i> (hawthorn), <i>Cydonia oblonga</i> (quince), <i>Malus pumila</i> (apel, common apple), <i>Malus sylvestris</i> (crab apple tree), <i>Malus toringo</i> (toringo crab), <i>Prunus</i> (stone fruit), <i>Pyronia veitchii</i> , <i>Pyrus</i> sp. (pir, pears), <i>Pyrus communis</i> (pir, pear), <i>Sorbus discolor</i> (barcham trees)	tanaman (whole plants)	Africa: Ethiopia, South Africa, Tunisia America: Argentina, Brazil, Canada, Uruguay, USA Asia: China, Georgia, India, Iran, Israel, Japan, Kazakhstan, Kyrgyzstan, Lebanon, Republic of Korea (South Korea), Tajikistan, Taiwan, Turkmenistan, Turkey, Uzbekistan Europe: Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, France, Germany, Greece, Hungary, Italy, Latvia, Lithuania, North Macedonia, Republic of Moldova, Montenegro,

					Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom, Ukraine Oceania: Australia, New Zealand
11.	<i>Arabis mosaic nepovirus</i> (ArMV); (Syn. <i>Arabis mosaic virus</i> , <i>Ash ring and line pattern virus</i> , <i>Hop nettlehead virus</i> , <i>Raspberry yellow dwarf virus</i> , <i>Rhubarb mosaic virus</i> , <i>Forsythia yellow net virus</i> , <i>Jasmine yellow blotch virus</i> , <i>Rhabarber-Mosaik-Virus</i> , <i>rhubarb mosaic virus</i> , <i>hope bare-bine</i> )	I	<i>Alstroemeria</i> (peruvian lily), <i>Anagallis arvensis</i> (scarlet pimpernel), <i>Apium graveolens</i> var. <i>dulce</i> (seledri, celery), <i>A Armoracia rusticana</i> (horseradish), <i>Asparagus officinalis</i> (asparagus, asparagus), <i>Astilbe</i> sp., <i>Bellis perennis</i> (daisy), <i>Beta vulgaris</i> (bit, beet root), <i>Buxus sempervirens</i> (common box), <i>Capsella bursa-pastoris</i> (shepherd's purse), <i>Carum segetum</i> , <i>Chamaecyparis lawsoniana</i> ( <i>Port Orford Cedar</i> ), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Cucurbita pepo</i> (labu	biji (true seeds, grains), tanaman (whole plants)  Vektor: <i>Dorylaimida</i> , <i>Longidoridae</i> : <i>Xiphinema diversicaudatum</i> , <i>Xiphinema maderense</i> , <i>Xiphinema coxi</i>	Africa: Egypt, South Africa America: Canada, Chile, USA Asia: India, Iran, Israel, Japan, Kazakhstan, Lebanon, Syria, Turkey Europe: Austria, Belarus, Belgium, Bulgaria, Bosnia and Herzegovina, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Hungary, Ireland, Italy, Latvia, Lithuania, Luxemburg, Republic of Moldova, Montenegro,

		<p>kuning, zukini, zucchini), <i>Cyphomandra betacea</i> (terung Belanda, tree tomato), <i>Daphne mezereum</i> (mezereon), <i>Daucus carota</i> (wortel, carrot), <i>Dianthus caryophyllus</i> (anyelir, carnation), <i>Forsythia intermedia</i> (showy forsythia), <i>Fragaria</i> sp. (stroberi, strawberry), <i>Fragaria vesca</i> (stoberi liar, wild srawberry), <i>Fraxinus excelsior</i> (ash), <i>Fraxinus</i> sp. (ash), <i>Hordeum vulgare</i> (barli, barley), <i>Humulus lupulus</i> (common hop), <i>Jasminum officinale</i> (melati putih, common jasmine), <i>Lactuca sativa</i> (selada, lettuce), <i>Lamium amplexicaule</i> (henbit), <i>Ligustrum vulgare</i> (common privet), <i>Melilotus officinalis</i> (yellow sweet clover), <i>Mentha arvensis</i> (bijanggut, wild mint), <i>Narsisus</i> sp. (daffodil), <i>Phaseolus coccineus</i> (runner beans), <i>Plantago lanceolata</i> (ribwort</p>	<p>Netherlands, North Macedonia, Norway, Poland, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom, Ukraine Oceania: Australia, Caroline Islands, New Zealand</p>
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			plantain), <i>Polygonum aviculare</i> (prostrate knotweed), <i>Polygonum persicaria</i> (spotted ladystumb), <i>Prunus avium</i> (ceri, sweet cherry), <i>Prunus domestica</i> (prem, plum), <i>Prunus persica</i> (persik, peach), <i>Ranunculus repens</i> (creeping buttercup), <i>Rheum hybridum</i> (rhubarb), <i>Rheum rhaponticum</i> (rhubarb), <i>Ribes nigrum</i> (backcurrant), <i>Ribes</i> sp. (white currant), <i>Rosa</i> spp. (mawar, rose), <i>Rubus procerus</i> (Himalayan giant blackberry), <i>Rubus idaeus</i> (rasberi, raspberry), <i>Rubus</i> sp., <i>Sambucus nigra</i> (American elder), <i>Senecio vulgaris</i> (groundsel), <i>Solanum nigrum</i> (leunca, black nightshade), <i>Stellaria media</i> (common chickweed), <i>Syringa vulgaris</i> (lilac), <i>Taraxacum officinale</i> (jombang, dandelion), <i>Trifolium repens</i> (semanggi putih, white clover), <i>Tulipa</i>		
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			spp. (tulip), <i>Urtica dioica</i> (stinging nettle), <i>Urtica urens</i> (annual nettle), <i>Vitis vinifera</i> (anggur, grapevine)		
12.	<i>Arracacha virus B</i> (AVB); (Syn. <i>Arracacha B 'nepovirus</i> , <i>Arracacha B nepovirus (oca strain)</i> , <i>Arracacha virus B (oca strain)</i> )	I	<i>Arracacia xanthorrhiza</i> (arracacha), <i>Brassica campestris</i> subsp. <i>rapa</i> ( <i>Brassica rapa</i> var. <i>rapa</i> ) (turnip, mustard), <i>Capsicum annuum</i> (cabai, paprika, bell pepper), <i>Hyoscyamus niger</i> (henbane), <i>Oxalis tuberosa</i> (oca), <i>Solanum tuberosum</i> (kentang, potato), <i>Vigna unguiculata</i> (kacang tunggak, cowpea)	bibit (seedling, micropropagated plants), biji (true seeds, grains), daun (leaves), sulur (stolon), umbi (bulbs, corms, tubers)	America: Bolivia, Peru
13.	<i>Artichoke Italian latent nepovirus</i> (AILV); (Syn. <i>Artichoke Italian latent virus</i> )	I	<i>Cichorium intybus</i> (chicory), <i>Crepis neglecta</i> , <i>Cynara scolymus</i> (artichoke), <i>Gladiolus hybrids</i> (gladiol), <i>Helminthea echinoides</i> , <i>Hypochaeris achryrophus</i> , <i>Lactuca virosa</i> (bitter lettuce), <i>Lamium amplexicaule</i> (henbit deadnettle), <i>Papaver rhoeas</i> (common poppy), <i>Pelargonium zonale hybrids</i> (pelargonium), <i>Sonchus</i>	batang (stems (above ground), trunks, branches), bibit (seedling, micropropagated plants), biji (true seeds, grains), daun (leaves), sulur (stolon), tunas (shoots, buds)	Europe: Bulgaria, Greece, Italy

			(Sowthistle), <i>Urospermum delechampii</i> , <i>Vitis vinifera</i> (anggur, grapevine)	Vektor: <i>Dorylaimida</i> , <i>Longidoridae</i> : <i>Longidorus apulus</i>	
14.	<i>Asparagus virus 2 ilarvirus</i> (AV-2); (Syn. <i>Asparagus 2 ilarvirus</i> , <i>Asparagus ilarvirus 2</i> , <i>Asparagus virus C</i> , <i>Asparagus latent virus II</i> )	I	<i>Asparagus</i> sp., <i>Asparagus officinalis</i> (asparagus, asparagus), <i>Chenopodium quinona</i> , <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Nicotiana benthamiana</i>	biji (true seeds, grains), polen (pollens), tunas (shoots, buds)  Vektor: <i>Myzus persicae</i>	America: Canada, Mexico, USA Asia: Japan Europe: Denmark, Germany, Italy, Netherlands, United Kingdom
15.	<i>Avocado sunblotch avsunviroid</i> (ASBVd); (Syn. <i>Avocado sunblotch viroid</i> , <i>Sunblotch viroid (avocado)</i> , <i>avocado sunblotch</i> )	I	<i>Persea americana</i> (avokad, avocado), <i>Cinnamomum camphora</i> (camphor laurel), <i>Cinnamomum zeylanicum</i> (ceylon cinnamon), <i>Ocelea bullata</i> (black stinkwood)	batang (stems (above ground), trunks, branches), buah (fruits), bunga (flowers, inflorescences, cones, calyx), biji (true seeds, grains), bibit (seedlings, micropropagated plants), daun (leaves), kulit batang (barks), polong (pods), tunas (shoots, buds)	Africa: Ghana, South Africa America: Guatemala, Mexico, Peru, USA, Venezuela Asia: Israel Europe: Greece, Spain Oceania: Australia

16.	<i>Banana bract mosaic potyvirus</i> (BBrMV); (Syn. <i>Banana bract mosaic virus</i> )	I	<i>Alpinia purpurata</i> (flowering ginger), <i>Elettaria cardamomum</i> (cardamom), <i>Musa</i> sp. (pisang, banana), <i>Musa paradisiaca</i> (pisang, banana)	bibit (seedlings, micropropagated plants), tanaman (whole plants)  Vektor: Aphids	America: Colombia, Ecuador Asia: India, Philippines, Sri Lanka, Thailand, Vietnam Oceania: Samoa
17.	<i>Barley stripe mosaic hordeivirus</i> (BSMV); (Syn. <i>Barley stripe mosaic virus</i> , <i>Barley false stripe virus</i> , <i>Barley mosaic virus</i> , <i>Oat stripe mosaic virus</i> , <i>Barley mild stripe virus</i> , <i>Barley yellow stripe</i> (possibly, <i>stripe mosaic of barley</i> ))	I	<i>Avena sativa</i> (oat, oats), <i>Hordeum vulgare</i> (barli, barley), <i>Oryza sativa</i> (padi, paddy, rice), <i>Panicum</i> spp. (millet), <i>Secale cereale</i> (rye), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Triticum aestivum</i> (gandum, wheat), <i>Zea mays</i> (jagung, corn, maize)	biji (true seeds, grains), polen (pollens)	Africa: Egypt, South Africa, Tunisia, Zambia America: Argentina, Brazil, Canada, Mexico, Peru, USA Asia: China, Israel, Japan, Jordan, Lebanon, Pakistan, Republic of Korea (South Korea), Syria, Turkey, Yemen Europe: Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Greece, Hungary, North Macedonia, Moldova, Montenegro, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Switzerland, Ukraine



					Oceania: Australia, New Zealand
18.	<p><i>Barley yellow dwarf luteovirus</i> (BYDV); (Syn. <i>Barley yellow dwarf virus</i>; <i>Maize leaf fleck virus</i>; <i>Wheat cereal yellow dwarf virus</i>; <i>Rice giallume virus</i>; <i>Hordeum virus nanescens</i>; <i>Red leaf disease of barley</i>, <i>barley yellow dwarf</i>)</p>	I	<p><i>Agropyron desertorum</i> (crested wheatgrass), <i>Agrostis stolonifera</i> (creeping bentgrass), <i>Anthoraxanthum odoratum</i> (sweet vernal grass), <i>Arrhenatherum elatius</i> (false oatgrass), <i>Avena fatua</i> (wild oats), <i>Avena sativa</i> (oat, oats), <i>Bromus</i> sp. (bromegrasses), <i>Bromus catharticus</i> (prairiegrass), <i>Bromus rubens</i> (red brome), <i>Cynodon dactylon</i> (Bermuda grass), <i>Dactylus glomerata</i> (cocksfoot), <i>Digitaria sanguinalis</i> (large crabgrass), <i>Echinochloa crus galli</i> (barnyard grass), <i>Elymus repens</i> (<i>quackgrass</i>), <i>Eragrostis curvula</i> (<i>weeping lovegrass</i>), <i>Festuca</i> (<i>fescues</i>), <i>Festuca arubdinacea</i> (tall fescue), <i>Festuca ovina</i> (Sheeps fescue), <i>Festuca pratensis</i> (meadow fescue), <i>Festuca</i></p>	<p>batang (stems (above ground), trunks, branches), daun (leaves), sulur (stolon), tanaman (whole plants)</p> <p>Vektor: Hemiptera, Aphididae: <i>Aulocorthum circumflexum</i> (<i>Amphorophora circumflexa</i>, <i>Macrosiphum circumflexa</i>, <i>Myzus circumflexus</i>, <i>Aulacorthum circumflexum</i>, <i>Siphonophora circumflexa</i>), <i>Ceruraphis eriophori</i>, <i>Metopolophium</i></p>	<p>Africa: Algeria, Egypt, Ethiopia, Kenya, Libya, Morocco, Mozambique, South Africa, Tanzania, Tunisia, Zimbabwe America: Argentina, Bolivia, Brazil, Canada, Chile, Colombia, Dominican Republic, Ecuador, French Guiana, Mexico, Paraguay, Peru, Uruguay, USA, Venezuela Asia: Azerbaijan, China, India, Iran, Israel, Japan, Jordan, Lebanon, Nepal, Pakistan, Syria, Thailand, Turkey Europe: Belgium, Bosnia and Herzegovina, Croatia, Czech Republic, Denmark, France, Germany, Greece,</p>

		<p><i>rubra</i> (red fescue), <i>Hordeum vulgare</i> (barli, barley), <i>Leersia oryzoides</i> (rice cutgrass), <i>Lolium</i> (ryegrasses), <i>Lolium multiflorum</i> (Italian ryegrass), <i>Lolium perenne</i> (perennial ryegrass), <i>Miscanthus sinensis</i> (Eulalia), <i>Oryza sativa</i> (padi, paddy, rice), <i>Panicum milliaceum</i> (milet), <i>Paspalum dilatatum</i> (dallisgrass), <i>Pennisetum clandestinum</i> (kikuyu grass), <i>Phleum pratense</i> (timothy), <i>Phragmites</i> (reed), <i>Poa annua</i> (annual meadowgrass), <i>Poaceae</i> (grasses), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Secale cereale</i> (rye), <i>Setaria italica</i> (foxtail millet), <i>Sorghum bicolor</i> (sorghum, sorghum), <i>Sorghum halepense</i> (Johnson grass), <i>Trifolium repens</i> (semanggi putih, white clover), <i>Triticum aestivum</i> (gandum, wheat),</p>	<p><i>dirhodum</i> (<i>Acyrtosiphon dirhodum</i>), <i>Myzus persicae</i>, <i>Rhopalosiphum insertum</i> (<i>Rhopalosiphum annuae</i>, <i>Rhopalosiphum fitchii</i>), <i>Rhopalosiphum maidis</i> (<i>Aphis maidis</i>), <i>Rhopalosiphum padi</i> (<i>Anuraphis padi</i>, <i>Rhopalosiphum prunifoliae</i>); <i>Rhopalosiphum rufiabdominalis</i>, <i>Schizaphis graminum</i> (<i>Toxoptera graminum</i>), <i>Sipha agropyrella</i>, <i>Macrosiphum avenae</i> (<i>Macrosiphum granarium</i>,</p>	<p>Hungary, Ireland, Italy, North Macedonia, Montenegro, Netherlands, Norway, Poland, Portugal, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom, Ukraine Oceania: Australia, French Southern and Antarctic Land, New Zealand</p>
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			<i>Triticum turgidum</i> (gandum durum, durum wheat), <i>Zea mays</i> (jagung, corn, maize)	<i>Sitobion avenae</i> , <i>Macrosiphum fragariae</i> ( <i>Sitobion fragariae</i> )	
19.	<i>Bean golden mosaic begomovirus</i> (BGMV); (Syn. <i>Bean golden mosaic bigeminivirus</i> , <i>Bean golden mosaic geminivirus</i> , <i>Bean golden mosaic virus (type 1) Brazil</i> , <i>Caribbean mosaico dorado</i> , <i>Bean calico mosaic begomovirus</i> )	I	<i>Cajanus cajan</i> (kacang gude, pigeon pea), <i>Calopogonium mucunoides</i> , <i>Euphorbia</i> (spurges), <i>Glycine max</i> (kedelai, soyabean), <i>Nicotiana tabacum</i> (tobacco), <i>Pachyrhizus erosus</i> , <i>Phaseolus acutifolius</i> , <i>Phaseolus coccineus</i> , <i>Phaseolus lathyroides</i> , <i>Phaseolus lunatus</i> (kacang koro, lima bean), <i>Phaseolus</i> sp. (beans), <i>Phyllanthus</i> , <i>Vigna angularis</i> (kacang merah, kidney bean), <i>Vigna mungo</i> (black gram), <i>Vigna unguiculata</i> (kacang tunggak, cowpea)	tanaman (whole plants)  Vektor: Hemiptera: Aleyrodidae: <i>Bemesia tabaci</i>	Africa: Nigeria America: Argentina, Bolivia, Brazil, Colombia, Costa Rica, Cuba, Dominica, Guatemala, Jamaica, Mexico, Nicaragua, Puerto Rico, USA, Venezuela
20.	<i>Bean pod mottle comovirus</i> (BPMV); (Syn. <i>Bean pod mottle virus</i> , <i>Desmodium virus</i> , <i>pod mottle virus</i> )	I	Fabaceae (leguminous plants), <i>Glycine max</i> (kedelai, soyabean), <i>Phaseolus</i> spp. (beans),	biji (true seeds, grains)  Vektor:	America: Brazil, Canada, Ecuador, Peru, USA Asia: Iran

			<i>Phaseolus vulgaris</i> (buncis, common bean)	Coleoptera, Chrysomelidae: <i>Cerotoma trifurcate</i> , <i>Diabrotica balteata</i> , <i>D. undecimpunctata</i> , <i>Colaspis flavida</i> , <i>C. lata</i> , Coleoptera, Coccinellidae: <i>Epilachna varivestis</i> , <i>E. vittata</i>	
21.	<i>Beet curly top curtovirus</i> (BCTV); (Syn. <i>Beet curly top virus</i> , <i>Beet curly top geminivirus</i> , <i>Beet curly top hybrigeminivirus</i> , <i>Sugarbeet curly top virus</i> , <i>Tomato yellow virus</i> , <i>Sugar beet curly-leaf virus</i> , <i>Sugarbeet virus 1</i> , <i>Tomato yellows virus</i> , <i>Western yellow blight virus</i> , <i>Potato green dwarf virus</i> , <i>curly top</i> )	I	<i>Apium graveolen</i> (seledri, celery), <i>Beta vulgaris</i> (bit, beet root), <i>Beta vulgaris</i> var. <i>saccharivera</i> (bit gula, sugar beet), <i>Capsicum</i> (peppers), <i>Capsicum annum</i> (cabai, paprika, bell pepper), <i>Capsicum frutescens</i> (chili), <i>Cucurbitaceae</i> , <i>Cucumis melo</i> (melon), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Linum usitatissimum</i> (flax), <i>Nicotiana tabacum</i> (tembakau, tobacco),	daun (leaves), tanaman (whole plants), umbi (bulbs, corms, tubers)  Vektor: Hemiptera, Cicadellidae: <i>Neoliturus tenellus</i> , <i>N. opacipennis</i>	Africa: Egypt, Ivory Coast, America: Argentina, Bolivia, Canada, Costa Rica, Mexico, USA, Uruguay Asia: India, Iran, Israel, Japan, Turkey Europe: Cyprus, Italy

			<i>Phaseolus vulgaris</i> (buncis, common bean), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum tuberosum</i> (kentang, potato), <i>Vigna unguiculata</i> (kacang tunggak, cowpea)		
22.	<i>Beet leaf curl rhabdovirus</i> (BLCV); (Syn. <i>Beet leaf curl virus</i> , <i>Beta virus 3</i> , <i>RubenkrSusel-Virus</i> , <i>Rübenkräusel sugar beet leaf crinkle virus</i> , <i>Sugar beet leaf curl rhabdo virus</i> , <i>Sugar beet virus 3</i> , <i>Beet leaf crinkle virus</i> , <i>Sugar beet leaf curl virus</i> , <i>leaf curl</i> )	I	<i>Atriplex patula</i> (spear saltbush), <i>Beta</i> spp., <i>Beta vulgaris</i> (bit, beet root), <i>Beta vulgaris</i> var. <i>saccharifera</i> (bit gula, sugar beet), <i>Spinacia oleracea</i> (bayam, spinach), <i>Tetragonia tetragonioides</i> (New Zealand spinach)	akar (roots), batang (stems (above ground), trunks, branches), daun (leaves), umbi (bulbs, corms, tubers), tanaman (whole plants), tunas (shoots, buds)  Vektor: Hemiptera, Piesmidae: <i>Piesma quadratum</i>	Europe: Germany, Poland Asia: Turkey
23.	<i>Broad bean wilt virus -1 strain</i> (BBWV); (Syn. <i>Broad bean wilt fabavirus</i> , <i>Catalpa chlorotic leaf spot virus</i> , <i>Laminum mild virus</i> <i>Nasturtium ringspot virus</i> , <i>Nasturtium white spot virus</i> , <i>Patchouli mild mottle virus</i> ,	I	<i>Apium graveolens</i> (seledri, celery), <i>Beta vulgaris</i> var. <i>saccharifera</i> (bit, sugar beet), <i>Brassica napus</i> var. <i>napus</i> (rape), <i>Brassica rapa</i> subsp. <i>chinensis</i> (Chinese	akar (roots), batang (stems (above ground), trunks, branches), biji (true seeds,	Africa: Egypt, Ethiopia, Morocco, South Africa, Sudan, Tanzania, Tunisia America: Argentina, USA

	<p><i>Patchouli mild mosaic virus, Petunia ringspot virus, Pea streak virus, Tropaeolum ringspot virus</i>)</p>		<p>cabbage), <i>Capsicum annuum</i> (cabai, paprika, bell pepper), <i>Capsicum frutescens</i> (cabai, chilli), <i>Cicer arietinum</i> (kacang arab, chickpea), <i>Cynara cardunculus</i> L. var. <i>scolymus</i> (globe artichoke), <i>Daucus carota</i> (wortel, carrot), <i>Glycine max</i> (kedelai, soyabean), <i>Lactuca sativa</i> (letus, lettuce), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Petroselinum crispum</i> (peterseli, parsley), <i>Petunia hybrida</i> (petunia), <i>Phaseolus lunatus</i> (kacang koro, lima bean), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Pisum sativum</i> (kacang kapri, pea), <i>Solanum melongena</i> (terung, aubergine, eggplant), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Spinacia oleracea</i> (bayam, spinach), <i>Tropaeolum majus</i> (common nasturtium), <i>Vicia faba</i> (kacang babi, broad bean),</p>	<p>grains), daun (leaves), bunga (flowers), buah (fruits), polong (pods)</p> <p>Vektor: Aphid (<i>Myzus persicae</i>)</p>	<p>Asia: Bangladesh, China, DPR Korea (North Korea), India, Iran, Iraq, Japan, Jordan, Philippines, Singapore, Republic of Korea (South Korea), Syria, Taiwan, Turkey          Europe: Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, France, Germany, Greece, Hungary, Italy, Kosovo, North Macedonia, Montenegro, Poland, Serbia, Slovakia, Slovenia, Spain, United Kingdom          Oceania: Australia, New Zealand</p>
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			<i>Vigna angularis</i> (kacang merah, kidney bean), <i>Vigna radiata</i> (kacang hijau, mung bean), <i>Vigna unguiculata</i> (kacang tunggak, cowpea), <i>Vitis vinifera</i> (anggur, grapevine)		
24.	<i>Brome mosaic bromovirus</i> (BMV); (Syn. <i>Brome mosaic virus</i> , <i>Marmor graminis</i> , <i>Ryegrass streak virus</i> , <i>Trespen gras mosaik virus</i> , <i>Weidel gras mosaik virus</i> )	I	<i>Avena sativa</i> (oats, oats), <i>Bromus</i> (brome-grasses), <i>Bromus inermis</i> (awnless brome), <i>Chenopodium quinona</i> (quinona), <i>Commelina communis</i> (common dayflower), <i>Commelina diffusa</i> (spreading dayflower), <i>Hordeum vulgare</i> (barli, barley), <i>Oryza sativa</i> (padi, paddy, rice), <i>Poaceae</i> (grasses), <i>Triticum aestivum</i> (gandum, wheat), <i>Vigna unguiculata</i> (kacang tunggak, cowpea), <i>Zea mays</i> (jagung, corn, maize)	rimpang (rhizome), sulur (stolons), tanaman (whole plants)	Africa: South Africa America: Canada, Mexico, USA Europe: Estonia, Federation, Hungary, Lithuania, Russian Federation, Sweden Oceania: Australia
25.	<i>Carnation ringspot dianthovirus</i> (CRSV); (Syn. <i>Carnation ringspot virus</i> )	I	<i>Dianthus</i> spp., <i>Dianthus barbatus</i> (sweet williams), <i>Dianthus caryophyllus</i> (carnation), <i>Malus sylvestris</i> (crab apple tree), <i>Prunus avium</i> (ceri, sweet cherry),	akar (roots), batang (stems (above ground), trunks, branches), bunga (flower,	America: Canada, Brazil, Colombia, Mexico, USA Asia: India Europe: Denmark, Finland, France,

			<p><i>Prunus cerasus</i> (kersen, sour cherry), <i>Prunus domestica</i> (prem, plum), <i>Pyrus communis</i> (pir, pear), <i>Prunus salicina</i> (Japanese plum), <i>Stellania media</i> (common chickweed), <i>Urtica urens</i> (annual nettle), <i>Vitis vinifera</i> (anggur, grapevine)</p>	<p>inflorescences, cones, calyx), biji (true seed), bibit (seedlings, micropropagated plants), daun (leaves), plantlet (planlets), suluran (stolon), tunas (shoots, buds)</p> <p>vektor: Nematoda <i>Longidorus elongatus</i>, <i>Longidorus macrosoma</i>; <i>Xiphinema diversicaudatum</i></p>	<p>Germany, Italy, Lithuania, Netherlands, Poland, Russian Federation, United Kingdom Oceania: Australia, New Zealand</p>
26.	<p><i>Carnation necrotic fleck closterovirus</i> (CNFV); (Syn. <i>Carnation necrotic fleck virus</i>, <i>Carnation streak virus</i> Poupet et al. (1975), <i>Carnation yellow fleck virus</i> Smookler &amp; Loebenstein (1974))</p>	I	<p><i>Dianthus barbatus</i>, <i>Dianthus caryophyllus</i> (anyelir), <i>Dianthus chinensis</i>, <i>Saponaria vaccaria</i>, <i>Silene armeria</i></p>	<p>akar (roots), batang (stems (above ground), trunks, branches), bibit (seedlings, micropropagated plants), bunga (flowers,</p>	<p>America: Colombia, USA, Venezuela Asia: India, Israel, Japan, Republic of Korea (South Korea), Sri Lanka Europe: Belgium, Bosnia and Herzegovina, Croatia,</p>



				inflorescences, cones, calyx), daun (leaves), tunas (shoots, buds)  Vektor: <i>Hemiptera</i> , Aphididae: <i>Myzus persicae</i>	Czech Republic, Finland, France, Germany, Italy, Latvia, Lithuania, Montenegro, Netherlands, North Macedonia, Serbia, Slovakia, Slovenia, Spain, United Kingdom Oceania: Australia, New Zealand
27.	<i>Cassava brown streak ipomovirus</i> (CBSaV); (Syn. <i>Cassava brown streak carlavirus</i> , <i>Cassava brown streak potyvirus</i> , <i>Cassava brown streak-associated (?) carlavirus</i> , <i>Ugandan cassava brown streak virus</i> )	I	<i>Manihot esculenta</i> (ubi kayu, cassava), <i>Manihot glaziovii</i> (ceara rubber)	batang (stems (above ground), trunks, branches), tanaman (whole plant)  Vektor: <i>Bemesia tabbaci</i> (kutu kebul, <i>white fly</i> )	Africa: Angola, Burundi, DR Congo, Comoros, Equatorial Guinea, Kenya, Malawi, Mayotte, Mozambique, Rwanda, Tanzania, Uganda, Zambia
28.	<i>Cereal yellow dwarf polerovirus-RPV</i> (CYDRV); (Syn. <i>Cereal yellow dwarf virus</i> )	I	<i>Avena sativa</i> (oat, oats), <i>Hordeum vulgare</i> (barli, barley), <i>Secale cereale</i> (rye), <i>Triticum aestivum</i> (gandum, wheat), <i>Triticum turgidum</i> (gandum durum, durum wheat)	akar (roots), batang (stems (above ground), trunks, branches), daun (leaves), bunga (fruits), tanaman (whole plants)	Africa: Egypt, South Africa, Tunisia America: Canada, Ecuador, Mexico, USA Asia: Azerbaijan, China, India, Israel, Japan, Jordan, Pakistan Europe: Belgium,

				Vektor: <i>Rhopalosiphum padi</i>	Czech Republic, Denmark, France, Germany, Hungary, Ireland, Italy, Netherlands, Norway, Russia, Slovakia, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand
29.	<i>Cherry leafroll nepovirus</i> (CLRV); (Syn. <i>Cherry leafroll virus</i> , <i>Golden elderberry virus</i> , <i>walnut ringspot</i> )	I	<i>Betula</i> spp. (birches), <i>Betula pendula</i> (common silver birch), <i>Canarium ovatum</i> (kenari, canary), <i>Cornus</i> (flowering dogwood), <i>Delphinium hybrids</i> (florist's larkspur), <i>Fagus sylvatica</i> (common beech), <i>Fraxinus excelsior</i> (ash), <i>Hydrangea macrophylla</i> , <i>Juglans</i> spp. (walnut), <i>Juglans regia</i> (walnut), <i>Ligustrum (privet)</i> , <i>Malus domestica</i> (apel, apple), <i>Nasturtium</i> sp., <i>Pelargonium</i> spp. (pelargonium), <i>Plantago</i> (plantain), <i>Prunus avium</i> (ceri, sweet cherry), <i>Ptelea trifoliata</i> (hoptree), <i>Rubus</i>	batang (stems (above ground), trunks, branches), biji (true seeds, grains), polen (pollens)	Africa: Egypt, Tunisia America: Canada, Peru, USA Asia: China, Iran, Lebanon, Syria, Turkey Europe: Albania, Austria, Belgium, Bulgaria, Bosnia and Herzegovia, Croatia, Czech Republic, Finland, France, Germany, Greece, Hungary, Italy, Moldova, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia,

			<i>idaeus</i> (rasberi, raspberry), <i>Rubus procerus</i> (Himalayan Giant Blackberry), <i>Rumex</i> (Dock), <i>Sambucus canadensis</i> (American elder), <i>Sambucus racemosa</i> (red-berried elder), <i>Solanum acaule</i> (wild potato), <i>Syringa vulgaris</i> (lilac), <i>Ulmus</i> (elms), <i>Ulmus americana</i> (American elm), <i>Vaccinium darrowii</i>		Spain, Switzerland, United Kingdom Oceania: Australia, French Southern and Antarctic Territories, New Zealand
30.	<i>Cherry rasp leaf cheravirus</i> (CRLV); (Syn. <i>Apple flat apple virus</i> , <i>Cherry rasp leaf virus</i> , <i>Flat apple virus</i> )	I	<i>Balsamorhiza sagittata</i> , <i>Hydrangea macrophylla</i> (Bigleaf Hydrangea), <i>Malus domestica</i> (apel, apple), <i>Malus sylvestris</i> (crab apple tree), <i>Plantago mayor</i> (broad leaved plantain), <i>Prunus avium</i> (ceri, sweet cherry), <i>Prunus cerasus</i> (kersen, sour cherry), <i>Prunus mahaleb</i> (mahaleb cherry), <i>Prunus persica</i> (persik, peach), <i>Prunus Rubus</i> spp., <i>Rubus idaeus</i> (raspberry), <i>Taraxacum</i> (dandelion)	batang (stems (above ground), trunks, branches), biji (true seeds, grains), polen (pollen), tanaman (whole plants), tunas (shoots, buds)  Vektor: <i>Xiphinema</i> spp.	America: Canada, USA Oceania: New Zealand
31.	<i>Citrus leaf rugose ilarvirus</i> (CiLRV); (Syn. <i>Citrus leaf rugose ilarvirus</i> , <i>Citrus variegation virus</i> , <i>Citrus crinkly leaf</i> )	I	<i>Citrus</i> spp. (jeruk, orange), <i>Citrus aurantifolia</i> (jeruk nipis, lime), <i>Citrus limon</i>	biji (true seeds, grains), okulasi ( <i>grafting</i> ), tunas	America: Costa Rica, USA Europe: Turkey

	<i>ilarvirus, Citrus variegation ilarvirus)</i>		(lemon), <i>Citrus paradisi</i> (grapefruit), <i>Citrus sinensis</i> (sweet orange), <i>Citrus reticulata</i> (satsuma), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Catharanthus roseus</i> (pink periwinkle), <i>Vigna unguiculata</i> (kacang tunggak, cowpea)	(shoots, buds)	Oceania: Australia
32.	<i>Clover yellow vein potyvirus</i> (CYVV); (Syn. <i>Bean yellow mosaic virus-S</i> (severe strain), <i>Bean yellow mosaic virus-N</i> (necrotic strain), <i>Clover yellow vein virus</i> , <i>Pea necrosis virus</i> , <i>Statice virus Y</i> )	I	<i>Alysicarpus vaginalis</i> (alyce clover), <i>Borago officinalis</i> (Borage), <i>Coriandrum sativum</i> (ketumbar, coriander), <i>Cucurbita pepo</i> (labu kuning, zukini, zucchini), <i>Daucus carota</i> (wortel, carrot), <i>Gentiana</i> (gentians), <i>Gladiolus hybrids</i> (sword lily), <i>Glycine max</i> (kedelai, soybean), <i>Impatiens walleriana</i> (Busy-lizzy), <i>Iris</i> (irises), <i>Lamium amplexicaule</i> (henbit deadnettle), <i>Lathyrus odoratus</i> (sweet pea), <i>Limonium sinuatum</i> (sea pink), <i>Lupinus</i> (lupins), <i>Lupinus albus</i> (white lupine), <i>Lupinus</i>	batang (stems (above ground), trunks, branches), bibit (seedlings, microprpagated plants), biji (true seeds, grains), daun (leaves), rimpang (rhizomes), tunas (shoots, buds), umbi (bulbs, corms, tubers)  Vektor: <i>Aphididae</i> (kutu daun)	America: Canada, Colombia, USA Asia: Japan, Republic of Korea (South Korea), Yemen Europe: Bulgaria, Czech Republic, France, Germany, Hungary, Italy, Netherlands, Poland, Slovakia, Spain, Sweden, United Kingdom Oceania: Australia, New Zealand

			<p><i>angustifolius</i> (lupin), <i>Lupinus luteus</i> (yellow lupin), <i>Medicago lupulina</i> (black medick), <i>Medicago sativa</i> (lucerne), <i>Melilotus officinalis</i> (field melilot), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Pisum sativum</i> (kacang kapri, pea), <i>Psophocarpus tetragonolobus</i> (winged bean), <i>Plantago major</i> (broad-leaved plantain), <i>Trifolium</i> (clovers), <i>Trifolium hybridum</i> (Alsike clover), <i>Trifolium incarnatum</i> (Crimson clover), <i>Trifolium pratense</i> (purple clover), <i>Trifolium repens</i> (semanggi putih, white clover), <i>Trifolium subterraneum</i> (subterranean clover), <i>Trifolium vesiculosum</i> (Arrowleaf clover), <i>Veronica persica</i> (creeping speedwell), <i>Vicia faba</i> (kacang babi, broad bean), <i>Viola odorata</i> (English violet)</p>		
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33.					
34.	<i>Cocoa yellow mosaic tymovirus</i> (CYMV); (Syn. <i>Cocoa yellow mosaic virus</i> )	I	<i>Cola nitida</i> (bitter cola), <i>Culcasia scandens</i> , <i>Theobroma cacao</i> (kakao, cocoa)	akar (roots), batang (stems (above ground), trunks, branches), buah (fruits), bunga (flower, inflorescences, cones, calyx), polong (pods), tunas (shoots, buds)	Africa: Sierra Leone
35.	<i>Coconut cadang-cadang cocadviroid</i> (CCCVd); (Syn. <i>Coconut cadang-cadang viroid</i> , <i>Palm cadang-cadang viroid</i> , <i>cadang-cadang disease</i> )	I	Arecaceae, <i>Arenga pinnata</i> (aren, sugar palm), <i>Borassus flabellifer</i> (lontar, toddy palm), <i>Chloris</i> (finger grasses), <i>Cocos nucifera</i> (kelapa, coconut), Commelinaceae, <i>Corypha elata</i> (buri pam), <i>Elaeis guineensis</i> (kelapa sawit, oil palm), Marantaceae, Panandaceae, <i>Phoenix dactylifera</i> (kurma, dates),	biji (true seeds, grains), buah (fruits), polong (pods), polen (pollens), tanaman (whole plants)  Vektor: Tenuipalpidae: <i>Brevipalpus phoenicis</i>	Asia: Malaysia, Philippines Oceania: Solomon Islands

			<i>Livistona rotundifolia</i> (Palem serdang, footstool palm), Zingiberacea		
36.	<i>Coconut tinangaja cocadviroid</i> (CTiVd); Syn. <i>Coconut tinangaja viroid</i> , <i>yellow mottle decline</i> )	I	<i>Cocos nucifera</i> (kelapa, coconut)	biji (true seeds, grains), polen (pollens), buah (fruits), tanaman (whole plants)	Oceania: Guam
37.	<i>Coffee ringspot dichorhavirus</i> (CoRSV); (Syn. <i>Coffee ringspot rhabdovirus</i> , <i>Coffee ringspot nucleorhabdovirus</i> )	I	<i>Coffea</i> spp. (kopi, coffee)	tunas (shoots, buds), tanaman (whole plants)  Vektor: Acari, Tenuipalpidae: <i>Brevipalpus phoenicis</i>	America: Brazil, Costa Rica Asia: Philippines
38.	<i>Cotton small leaf virus</i> ;	I	<i>Abelmoschus esculentus</i>	batang (stems	America: Brazil

	(Syn. <i>Cotton anthocyanosis</i> (?) <i>luteovirus</i> ; <i>Cotton anthocyanosis virus</i> (CAV), <i>cotton leaf reddening disease</i> , <i>vermelhao disease</i> )		(okra, lady's finger), <i>Gossypium barbadens</i> (kapas, cotton), <i>Gossypium</i> <i>hirsutum</i> (kapas, Bourbon cotton), <i>Hibiscus</i> <i>cannabinus</i> (kenaf), <i>Sida</i> <i>rhombofolia</i> (arrow laef sida), <i>Sida micrantha</i>	(above ground), trunks, branches), tanaman (whole plants), tunas (shoots, buds)  Vektor: Hemiptera, Aphididae: <i>Aphis gossypii</i>	Asia: India, Pakistan
39.	<i>Cotton leaf curl begomovirus</i> (CLCuV); (Syn. <i>Cotton leaf curl bigeminivirus</i> , <i>Cotton leaf curl geminivirus</i> , <i>Cotton leaf</i> <i>crumple begomovirus</i> , <i>leaf curl disease</i> <i>of cotton</i> )	I	<i>Abelmoschus esculentus</i> , <i>Althea rosae</i> , <i>Corchorus</i> <i>fasicularis</i> , <i>Castanospermum australe</i> , <i>Glycine max</i> (kedelai, soyabean), <i>Gossypium</i> sp., <i>Gossypium barbadens</i> (kapas, cotton), <i>Gossypium</i> <i>hirsutum</i> (Bourbon cosssstton), <i>Hibiscus</i> <i>cannabius</i> (kenaf), <i>Hibiscus</i> <i>escu lentus</i> , <i>Hibiscus</i> <i>sabdarifa</i> , <i>Luffa aegyptiaca</i> (loofah), <i>Malvaviscus</i> <i>arboreus</i> , <i>Malva parviflora</i> , <i>Phaseolus acutifolius</i> , <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Vigna</i> <i>angularis</i> (kacang merah,	tanaman (whole plants)  Vektor: Hemiptera, Aleyrodidae: <i>Bemisia tabaci</i>	Africa: Benin, Burkina Faso, Cameroon, Central African Republic, Chad, Ivory Coast, Egypt, Ghana, Niger, Nigeria, Sudan, Togo America: Mexico, USA, Guatemala Asia: India, Pakistan, Philippines



			kidney bean), <i>Vigna unguiculata</i> (kacang tunggak, cowpea), <i>Sida alba</i>		
40.	<i>Cowpea chlorotic mottle bromovirus</i> (CCMV); (Syn. <i>Bean yellow stipple virus</i> , <i>Cowpea chlorotic mottle virus</i> , <i>Virus del moteado amarillo</i> , <i>Marmor flavopunctum</i> ; <i>bean yellow stipple virus</i> )	I	<i>Arachys hypogaea</i> (kacang tanah, peanut), <i>Beta vulgaris</i> (bit, beet root), <i>Cajanus cajan</i> (kacang gude, pigeon pea), <i>Cassia occidentalis</i> , <i>Cassia tora</i> , <i>Clitoria ternatae</i> (butterfly-pea), <i>Glycine max</i> (kedelai, soyabean), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Vigna unguiculata</i> (kacang tunggak, cowpea)	tanaman (whole plants)  Vektor: Coleoptera, Chrysomelidae: <i>Ceratoma ruficornis</i> , <i>C. trifurcata</i> , <i>Diabrotica balteata</i> , <i>Diabrotica undecimpunctata</i>	Africa: Nigeria America: Costa Rica, USA Asia: India
41.	<i>Citrus leprosis virus</i> (CiLV) Syn. <i>Citrus leprosis virus cytoplasmic</i> , <i>Citrus leprosis virus cytoplasmic type 2</i> , <i>citrus leprosis virus nuclear</i>	I	<i>Citrus deliciosa</i> (Mediterranean mandarin), <i>Citrus paradise</i> (grapefruit), <i>Citrus reticulata</i> (jeruk keprok), <i>Citrus reshni</i> (Cleopatra mandarin), <i>Citrus reticulata</i> (mandarin), <i>Citrus sinensis</i> (jeruk manis, navel orange), <i>Commelina benghalensis</i> , <i>Swinglea glutinosa</i>	batang (stems (above ground), trunks, branches), buah (fruits), bunga (flowers, inflorescences, cones, calyx), daun (leaves), tunas (shoots, buds) Vektor: <i>Brevipalpus</i>	America: Argentina, Belize, Bolivia, Brazil, Colombia, Costa Rica, El Savador, Guatemala, Honduras, Mexico, Nicaragua, Panama, Paraguay, Uruguay, Venezuela

				<i>phoenicis</i> (false spider mite)	
42.	<i>Cucumber green mottle mosaic tobamovirus</i> (CGMMV); (Syn. <i>Bottlegourd indian mosaic virus</i> , <i>Cucumber green mottle mosaic virus</i> , <i>Cucumber green mottle mosaic watermelon strain (W)</i> , <i>Cucumber virus 2</i> , <i>Cucumber virus 3</i> , <i>Cucumber virus 4</i> , <i>Cucumis virus 2</i> , <i>Tobacco mosaic virus watermelon strain-W</i> )	I	<i>Citrullus lanatus</i> (semangka, watermelon), <i>Cucumis melo</i> (melon, melon), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Gladiolus hybrids</i> (sword lily); <i>Lagenaria siceraria</i> (labu botol, bottle gourd), <i>Momordica charantia</i> (paria, bittergourd), <i>Prunus americana</i> (aprikot, apricot)	akar (roots), batang (stems (above ground), trunks, branches), bibit (seedlings, micropropagated plants), biji (true seeds), buah (fruits), bunga (flowers, inflorescences, cones, calyx), daun (leaves), media pertumbuhan (growing media associated with plants), tunas (shoots, buds), umbi (bulbs, corms, tubers)	America: Brazil Asia: China, India, Iran, Israel, Japan, Lebanon, Republic of Korea (South Korea), Saudi Arabia, Taiwan Europe: Austria, Bosnia and Herzegovina, Denmark, Finland, Croatia, Germany, Greece, Georgia, Hungary, Latvia, Montenegro, North Macedonia, Netherlands, Romania, Russia, Serbia, Slovenia, Spain, Sweden, Ukraine, United Kingdom Oceania: Australia
43.	<i>Dasheen mosaic potyvirus</i> (DsMV); (Syn. <i>Dasheen mosaic virus</i> )	I	<i>Aglaonema</i> , <i>Alocasia</i> , <i>Amorphophallus</i> , <i>Anthurium</i> , <i>Araceae</i> , <i>Caladium</i> , <i>Colocasia</i> , <i>Colocasia esculenta</i> (taro), <i>Cyrtosperma merkusii</i> (giant	akar (roots), batang (stems (above ground), trunks, branches), bibit (seedlings,	Africa: Cameroon, Egypt, Ethiopia, Nigeria, South Africa America: Brazil, Costa Rica, Cuba, Dominican Republic, Jamaica,

			swam taro), <i>Dieffenbachia</i> (dumbcanes), <i>Nelumbo nucifera</i> (sacred lotus), <i>Philodendron</i> , <i>Spathiphyllum</i> , <i>Typhonium rrilobatum</i> , <i>Xanthosoma</i> (cocoyam), <i>Zantedeschia</i> (calla-lilies),	micropropagate d plants), bunga (flowers, inflorescences, cones, calyx), buah (fruits), daun (leaves), polong (pods), tanaman (whole plant), tunas (shoots, buds), umbi (bulbs, corms, tubers), rimpang (rhizomes)	Martinique, Nicaragua, Puerto Rico, Trinidad and Tobago, USA, Venezuela Asia: China, India, Japan, Taiwan, Vietnam Europe: Belgium, Bosnia and Herzegovina, Denmark, Italy, Netherlands, United Kingdom Oceania: American Samoa, Australia, Cook Islands, Fiji, French Polynesia, Guam, Kiribati, New Zealand, Niue, Papua New Guinea, Samoa, Solomon Islands, Tonga, Vanuatu
44.	<i>Grapevine Bulgarian latent nepovirus</i> (GBLV); (Syn. <i>Grapevine Bulgarian latent virus</i> , <i>Virus CM112</i> )	I	<i>Vitis</i> spp. (anggur, grapevine), <i>Vitis vinifera</i> (anggur, grapevine)	akar (roots), biji (true seeds), buah (fruits), batang (stems (above ground) trunks, branches), daun (leaves), tunas (shoots,	Europe: Bosnia and Herzegovina, Bulgaria, Croatia, Hungary, Montenegro, North Macedonia, Portugal, Serbia, Slovenia America: USA

				buds)	
45.	<i>Grapevine chrome mosaic nepovirus</i> (GCMV); (Syn. <i>Grapevine chrome mosaic virus</i> , <i>Hungarian chrome mosaic virus</i> )	I	<i>Apium graveolens</i> (seledri, celery), <i>Vitis vinifera</i> (anggur, grapevine)	akar (roots), batang (stems (above ground) trunks, branches), biji (true seeds), daun (leaves), kulit kayu (bark), tunas (shoots, buds)	Europe: Austria, Bosnia and Herzegovina, Croatia, Czech Republic, Hungary, Montenegro, North Macedonia, Serbia, Slovenia, Slovakia, United Kingdom America: USA
46.	<i>Grapevine fanleaf nepovirus</i> (GFLV); (Syn. <i>Grapevine arriccianmento virus</i> , <i>Grapevine court noue virus</i> , <i>Grapevine fanleaf virus</i> , <i>Grape vine infectious degeneration virus</i> , <i>Grapevine Reisigkrankheit virus</i> , <i>Grapevine roncet virus</i> , <i>Grapevine urticado virus</i> <i>Grapevine veinbanding virus</i> , <i>Grapevine yellow mosaic virus</i> )	I	<i>Aristolochia clematitis</i> (birthwort), <i>Sonchus oleraceus</i> (common sowthistle), <i>Vitis</i> sp. (anggur, grape), <i>Vitis vinifera</i> (anggur, grapevine)	biji (true seeds), suluran (stolon), tanaman (whole plants), tunas (shoots, buds)  Vektor: Dorylaimida, Longidoridae: <i>Xiphinema index</i> , <i>X. italye</i>	Africa: Algeria, Canary Island, Egypt, Madagascar, Morocco, Nigeria, South Africa, Tunisia America: Argentina, Bolivia, Brazil, Canada, Chile, Mexico, USA, Venezuela Asia: China, Iran, Israel, Japan, Jordan, Kazakhstan, Lebanon, Palestine, Philippines, Syria, Turkey

					Europe: Albania, Armenia, Austria, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, France, Germany, Greece, Hungary, Italy, North Macedonia, Malta, Moldova, Montenegro, Portugal, Romania, Russian Federation, Slovakia, Slovenia, Spain, Switzerland, Serbia, Slovenia , Spain, United Kingdom, Ukraine Oceania: Australia, New Zealand
47.	<i>Grapevine fleck maculavirus (GFkV);</i> (Syn. <i>Grapevine fleck virus, Grapevine marbrure virus, Grapevine phloem-limited isometric virus</i> )	I	<i>Vitis vinifera</i> (anggur, grapevine)	batang (stems (above ground), trunks, branches), tanaman (whole plants)	Africa: South Africa America: Brazil, Canada, USA Asia: Jordan, Republic of Korea (South Korea), Syria Europe: Albania, France, Italy, Jordan, North Macedonia, Spain, United Kingdom
48.	<i>Grapevine leafroll-associated virus-1</i>	I	<i>Vitis aestivalis</i> (summer	akar (roots),	Africa: Algeria,

	<i>ampelovirus</i> (GLRaV-1)		grape), <i>Vitis labruca</i> (fox grape), <i>Vitis rotundifolia</i> (muscadine grape), <i>Vitis rupestris</i> (sand-grape), <i>Vitis vinifera</i> (anggur, grapevine)	batang (stems (above ground), trunks, branches), daun (leaves), kulit kayu (barks)  Vektor: Mealybug (Pseudococcidae): <i>Heliococcus bohemicus</i> , <i>Phenacoccus aceris</i> , <i>Planococcus citri</i> , Scale insect (Coccidae): <i>Neopulvinaria innumerabilis</i> , <i>Parthenolecanium corni</i>	Morocco, Nigeria, South Africa, Tunisia America: Brazil, Canada, Chile, USA Asia: India, Iran, Israel, Japan, Jordan, Kazakhstan, Palestine, Republic of Korea (South Korea), Syria, Taiwan, Turkey, Yemen Europe: Albania, Austria, Bosnia and Herzegovina, Croatia, Czech Republic, Cyprus, France, Germany, Hungary, Greece, Italy, Malta, Montenegro, Republic of Moldova, North Macedonia, Portugal, Romania, Serbia, Slovenia, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand
49.	<i>Grapevine leafroll-associated virus-2 closterovirus</i> (GLRaV-2)	I	<i>Vitis aestivalis</i> (summer grape), <i>Vitis labruca</i> (fox grape), <i>Vitis rotundifolia</i> (muscadine grape), <i>Vitis</i>	akar (roots), batang (stems (above ground), trunks,	Africa: Algeria, Morocco, Nigeria, South Africa, Tunisia America: Brazil,

			<i>rupestris</i> (sand-grape), <i>Vitis vinifera</i> (anggur, grapevine)	branches), daun (leaves), kulit kayu (barks)	Canada, Chile, USA Asia: India, Iran, Israel, Japan, Jordan, Kazakhstan, Palestine, Republic of Korea (South Korea), Syria, Taiwan, Turkey, Yemen Europe: Albania, Austria, Bosnia and Herzegovina, Croatia, Czech Republic, Cyprus, France, Greece, Hungary, Italy, Malta, Moldova, Montenegro, North Macedonia, Portugal, Romania, Serbia, Slovenia, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand
50.	<i>Grapevine leafroll-associated virus-3 ampelovirus</i> (GLRaV-3)	I	<i>Vitis aestivalis</i> (summer grape), <i>Vitis labruca</i> (fox grape), <i>Vitis rotundifolia</i> (muscadine grape), <i>Vitis rupestris</i> (sand-grape), <i>Vitis vinifera</i> (anggur, grapevine)	akar (roots), batang (stems (above grounds), trunks, branches), daun (leaves),	Africa: Algeria, Nigeria, Morocco, South Africa, Tunisia America: Brazil, Canada, Chile, USA Asia: India, Syria, Palestine, Iran, Israel,

				<p>kulit kayu (barks)</p> <p>Vektor: Mealybug (Pseudococcidae)</p> <p><i>Ferrisia gilli</i>, <i>Heliococcus bohemicus</i>, <i>Phenacoccus aceris</i>, <i>Planococcus citri</i>, <i>Planococcus ficus</i>, <i>Pseudococcus calceolariae</i>, <i>Pseudococcus camstocki</i>, <i>Pseudococcus longispinus</i>, <i>Pseudococcus maritimus</i>, <i>Pseudococcus viburni</i>, Scale insect (Coccidae) <i>Ceroplastes rusci</i>, <i>Coccus</i></p>	<p>Japan, Jordan, Kazakhstan, Republic of Korea (South Korea), Taiwan, Turkey, Yemen</p> <p>Europe: Austria, Albania, Bosnia and Herzegovina, Croatia, Cyprus, Czech Republic, France, Germany, Greece, Hungary, Italy, Malta, Moldova, Montenegro, North Macedonia, Portugal, Romania, Serbia, Slovenia, Switzerland, Ukraine, United Kingdom</p> <p>Oceania: Australia, New Zealand</p>
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				<p><i>longulus</i>,  <i>Neopulvinaria innumerabilis</i>,  <i>Parasaisettia nigra</i>,  <i>Parthenolecanium corni</i>,  <i>Parthenolecanium persicae</i>,  <i>Pulvinaria vitis</i>,  <i>Saissetia</i> sp.</p>	
51.	<p><i>Grapevine leafroll-associated virus-4 Ampelovirus</i> (GLRaV-4);  (Syn. GLRaV-5, GLRaV-6, GLRaV-9, GLRaV-Pr, GLRaV-De, GLRaV-Car)</p>	I	<p><i>Vitis aestivalis</i> (summer grape), <i>Vitis labruca</i> (fox grape), <i>Vitis rotundifolia</i> (muscadine grape), <i>Vitis rupestris</i> (sand-grape), <i>Vitis vinifera</i> (anggur, grapevine)</p>	<p>akar (roots), batang (stems (above ground), trunks, branches), daun (leaves), kulit kayu (barks)</p> <p>Vektor:  Mealybug (Pseudococcidae):  <i>Pseudococcus longispinus</i>,  <i>Heliococcus bohemicus</i>,  <i>Phenacoccus</i></p>	<p>Africa: Algeria, Nigeria, Morocco, South Africa, Tunisia  America: Brazil, Canada, Chile, USA  Asia: China, India, Syria, Palestine, Iran, Israel, Japan, Jordan, Kazakhstan, Republic of Korea, Taiwan, Turkey, Yemen  Europe: Austria, Albania, Bosnia and Herzegovina, Croatia, Cyprus, Czech Republic, France, Greece, Hungary, Italy, Malta, Moldova, Montenegro, North</p>

				<p><i>aceris</i>,  <i>Planococcus ficus</i>  Scale insect (Coccidae)  <i>Ceroplastes rusci</i>,  <i>Parthenolecanium corni</i></p>	<p>Macedonia, Portugal, Romania, Serbia, Slovenia, Spain, Switzerland, Ukraine, United Kingdom  Oceania: Australia, New Zealand</p>
52.	<p><i>Grapevine leafroll-associated virus-7 velarivirus</i></p>	I	<p><i>Vitis aestivalis</i> (summer grape), <i>Vitis labruca</i> (fox grape), <i>Vitis rotundifolia</i> (muscadine grape), <i>Vitis rupestris</i> (sand-grape), <i>Vitis vinifera</i> (anggur, grapevine)</p>	<p>akar (roots), batang (stems (above ground), trunks, branches), daun (leaves), kulit kayu (barks)</p>	<p>Africa: Algeria, Nigeria, Morocco, South Africa, Tunisia  America: Brazil, Canada, Chile, USA  Asia: India, Syria, Palestine, Iran, Israel, Japan, Jordan, Kazakhstan, Republic of Korea, Taiwan, Turkey, Yemen  Europe: Austria, Albania, Bosnia and Herzegovina, Croatia, Cyprus, Czech Republic, France, Greece, Hungary, Italy, Malta, Moldova, Montenegro, North Macedonia, Portugal, Romania, Serbia,</p>

					Slovenia, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand
53.	<i>Grapevine ruprestis stem pitting associated foveavirus</i> (GRSPaV); (Syn. <i>Grapevine stem pitting disease</i> , <i>Legno Riccio</i> (possibly), <i>Rugose wood</i> (possibly), <i>Grapevine corky bark disease</i> )	I	<i>Vitis vinifera</i> (anggur, grapevine)	akar (roots), batang (stems (above ground), trunks, branches), daun (leaves), polen (pollens), tunas (shoots, buds)  Vektor: Hemiptera, <i>Pseudococcidae</i>	Africa: Morocco, South Africa, Tunisia America: Brazil, Mexico, USA Asia: Jordan, Korea, Lebanon, Middle East, Yemen Europe: Albania, Bulgaria, Italy, Portugal, Russian Federation
54.	<i>Grapevine virus A Vitivirus</i> (Syn. <i>Grapevine corky bark closterovirus</i> , <i>Grapevine corky bark disease</i> , <i>Grapevine corky bark virus</i> , <i>Grapevine stem pitting disease</i> , <i>Grapevine stem pitting virus</i> , <i>Grapevine stem pitting – associated closterovirus</i> , <i>Grapevine stem pitting virus</i> )	I	<i>Vitis coignetiae</i> , <i>Vitis</i> hybrids, <i>Vitis labrusca</i> (fox grape), <i>Vitis riparia</i> , <i>Vitis vinifera</i> (anggur, grapevine)	batang (stems (above ground), trunks, branches)  Vektor: Mealybug <i>Pseudococcus longispinus</i> , <i>Pseudococcus affinis</i> (P. <i>viburni</i> ),	Africa: Algeria, Egypt, Morocco, South Africa, Tunisia Asia: Afghanistan, Armenia, China, Iran, Israel, Jordan, Kazakhstan, Lebanon, Syria, Turkey, Yemen America: Brazil, Canada, Chile, USA Europe: Albania,

				<p><i>Planococcus citri</i>,  <i>Phenacoccus aceris</i>,  <i>Planococcus ficus</i>,  <i>Heliococcus bohemicus</i>,  <i>Pseudococcus longispinus</i>,  <i>Pseudococcus viburni</i></p> <p>Scale insects:  <i>Neopulvinaria innumerabilis</i>,  <i>Parthenolecanium corni</i>,  <i>Puvinaria vitis</i></p>	<p>Croatia, Cyprus, Czech Republic, Cyprus, France, Germany, Greece, Hungary, Italy, Malta, Moldova, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Switzerland, Ukraine, United Kingdom.  Oceania: Australia</p>
55.	<i>Grapevine virus B Vitivirus</i>	I	<p><i>Vitis coignetiae</i>, <i>Vitis labrusca</i> (fox grape), <i>Vitis hybrids</i>, <i>Vitis riparia</i>, <i>Vitis vinifera</i> (anggur, grapevine)</p>	<p>batang (stems (above ground), trunks, branches)</p> <p>Vektor:  Mealybug  <i>Pseudococcus longispinus</i>,  <i>Pseudococcus affinis</i> (P.</p>	<p>Africa: Algeria, Egypt, South Africa, Tunisia  America: Brazil, Canada, Chile, USA  Asia: Afghanistan, Armenia, China, Iran, Israel, Jordan, Kazakhstan, Lebanon, Republic of Korea, Syria, Syria, Turkey, Yemen</p>

				<p><i>viburni</i>),  <i>Planococcus citri</i>,  <i>Phenacoccus aceris</i>,  <i>Planococcus ficus</i>,  <i>Pseudococcus longispinus</i>,  <i>Pseudococcus viburni</i></p> <p>Scale insects:  <i>Neopulvinaria innumerabilis</i>,  <i>Parthenolecanium corni</i>,  <i>Puvitaria vitis</i></p>	<p>Europe: Albania, Cyprus, Czech Republic, France, Hungary, Italy, Republic of Moldova, Portugal, Romania, Slovenia, Switzerland, Ukraine, United Kingdom  Oceania: Australia</p>
56.	<i>Grapevine virus D Vitivirus</i>	I	<i>Vitis coignetiae</i> , <i>Vitis labrusca</i> (fox grape), <i>Vitis hybrids</i> , <i>Vitis riparia</i> , <i>Vitis vinifera</i> (anggur, grapevine)	<p>batang (stems (above ground), trunks, branches)</p> <p>Vektor:  Mealybug</p>	<p>America: USA  Asia: Turkey</p>
57.	<i>Grapevine virus E Vitivirus</i>	I	<i>Vitis coignetiae</i> , <i>Vitis labrusca</i> (fox grape), <i>Vitis hybrids</i> , <i>Vitis riparia</i> , <i>Vitis vinifera</i> (anggur, grapevine)	<p>batang (stems (above ground), trunks, branches)</p>	<p>America: Argentina, USA  Asia: China, Japan, Korea</p>

				Vektor: Mealybug <i>Pseudococcus</i> <i>comstocki</i>	
58.	<i>Grapevine red blotch Grablovirus</i> (GRBV)	I	<i>Vitis coignetiae</i> , <i>Vitis labrusca</i> (fox grape), <i>Vitis hybrids</i> , <i>Vitis riparia</i> , <i>Vitis vinifera</i> (anggur, grapevine)	batang (stems (above ground), trunks, branches)  Vektor: <i>Spissistilus festinus</i>	America: Canada, Mexico, USA Asia: India, Republic of Korea (South Korea) Europe: Switzerland
59.	<i>Hop stunt viroid (HSVd)</i> ; (Syn. <i>Hop stunt viroid</i> Sasaki and Shikata, 1977a), <i>Citrus cachexia viroid</i> Diener et al., 1988, <i>Citrus viroid II</i> Duran-Vila et al., 1988; Sano et al., 1988, <i>Cucumber pale fruit viroid</i> Van Dorst and Peters, 1974, <i>Dapple plum and peach fruit disease viroid</i> Sano et al., 1989	I	<i>Citrus</i> spp. (jeruk, orange), <i>Citrus clementina</i> , <i>Citrus limon</i> (lemon), <i>Citrus limonia</i> (mandarin lime), <i>Citrus macrophylla</i> (alemow), <i>Citrus reticulata</i> (mandarin), <i>Citrus sinensis</i> (navel orange), , <i>Citrus x paradise</i> (grapefruit), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Fortunella</i> (kumquats), <i>Galinsoga quadriradiata</i> (shaggy soldier), <i>Gymnura aurantiaca</i> (java velvet plant), <i>Hibiscus rosa-sinensis</i> (java velvet plant), <i>Humulus lupulus</i> (hop),	akar (roots), batang (stems (above ground), trunks, branches), bunga (flowers, inflorescences, cones, calyx), buah (fruits), daun (leaves), kulit kayu (barks), tanaman (whole plants)	Africa: Algeria, Egypt, Libya, Morocco, Nigeria, South Africa, Sudan, Tunisia America: Argentina, Brazil, Canada, Colombia, Cuba, Ecuador, Jamaica, Suriname, Trinidad dan Tobago, Uruguay, USA Asia: China, India, Iran, Israel, Japan, Jordan, Republic of Korea (South Korea), Lebanon, Philippines, Saudi Arabia, Syria, Thailand, Turkey,

			<p><i>Malus domestica</i> (apel, apple), <i>Malus sylvestris</i> (crab apple tree), <i>Morus</i> (mulberry tree), <i>Morus alba</i> (murbei, mullberry), <i>Prunus armeniaca</i> (aprikot, apricot), <i>Prunus avium</i> (ceri, sweet cherry), <i>Prunus domestica</i> (prem, plum), <i>Prunus dulcis</i> (almon, badam, almond), <i>Prunus persica</i> (persik, peach), <i>Prunus salicia</i> (Japanese plum), <i>Punica granatum</i> (pomegranate), <i>Vitis vinifera</i> (anggur, grapevine)</p>		<p>Yemen Europe: Cyprus, Czech Republic, France, Germany, Greece, Italy, Portugal, Serbia, Slovenia, Spain Oceania: Australia, New Zealand</p>
60.	<p><i>Impatiens necrotic spot tospovirus</i> (INSV); (Syn. <i>Impatiens necrotic spot virus</i>)</p>	I	<p><i>Arachis hypogaea</i> (kacang tanah, groundnut, peanut), <i>Capsicum annuum</i> (cabai, paprika, bell pepper), <i>Capsicum</i> spp., <i>Cardamine scutata</i>, <i>Cerastium glomeratum</i>, <i>Chrysanthemum</i> sp. (krisan, chrysanthemum), <i>Cichorium</i> sp., <i>Cucumis sativus</i> (mentimun, cucumber), <i>Cyclamen persicum</i>, <i>Gentiana</i> sp., <i>Impatiens</i> sp., <i>Isotoma axillaris</i>, <i>Kalanchoe</i></p>	<p>daun (leaves), tanaman (whole plants)  Vektor: Thysanoptera, Thripidae: <i>Frankliniella occidentalis</i></p>	<p>Africa: Uganda America: Canada, Chile, Costa Rica, Mexico, USA Asia: China, Iran, Japan Europe: Austria, Belgium, Bosnia and Hercegovina, Bulgaria, Czech Republic, Finland, France, Germany, Guernsey, Hungary, Italy, North Macedonia,</p>

			sp., <i>Lactuca sativa</i> (selada, lettuce), <i>Ocimum basilicum</i> (sweet basil), <i>Phalaenopsis hybrids</i> , <i>Rubus</i> , <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum tuberosum</i> (kentang, potato), <i>Spinacia oleracea</i> (bayam, spinach), <i>Stellaria media</i> , <i>Valerianella</i>		Netherlands, Poland, Portugal, Slovenia, Spain, United Kingdom Oceania: Australia, New Zealand
61.	<i>Iris yellow spot tospovirus</i> (IYSV) (Syn. <i>Iris yellow spot virus</i> Cortes et al, 1988, <i>Iris yellow spot virus</i> )	I	<i>Allium</i> spp, <i>Alstroemeria</i> sp., <i>Amaranthus retroflexus</i> , <i>Arctium minus</i> , <i>Atriplex micrantha</i> , <i>Bessera elegans</i> , <i>Capsicum annum</i> (cabai, paprika, bell pepper), <i>Chenopodium album</i> , <i>Chenopodium amaranticolor</i> , <i>Chenopodium amaranticolor</i> , <i>Chenopodium murale</i> , <i>Chenopodium quinoa</i> , <i>Chenopodium quinoa</i> , <i>Chrysanthemum</i> sp. (krisan, chrysanthemum), <i>Cichorium intybus</i> , <i>Clivia miniata</i> , <i>Cycas</i> sp., <i>Datura stramonium</i> , <i>Emilia sonchifolia</i> , <i>Eustoma grandiflorum</i> , <i>Eustoma</i>	bibit (seedlings, micropropagated plant), umbi (bulbs, corm, tubers)  Vektor: <i>Thrips tabaci</i> .	Asia: India, Iran, Israel, Japan, Pakistan, Sri Lanka, Tajikistan Africa: Algeria, Egypt, Kenya, Mauritius, Reunion, South Africa, Tunisia, Uganda, Zimbabwe America: Brazil, Canada, Chile, Ecuador, Guatemala, Mexico, Peru, Uruguay, USA,



			<p><i>russellianum</i>, <i>Geranium carolianum</i>, <i>Gomphrena globosa</i>, <i>Gomphrena globosa</i>, <i>Hippeastrum hybridum</i>, <i>Impatiens sultani</i>, <i>Iris holandica</i>, <i>Kochia scoparia</i>, <i>Lactuca sativa</i> (selada, lettuce), <i>Lactuca serriola</i>, <i>Sonchus asper</i>, <i>Linaria Canadensis</i>, <i>Nicotiana benthamiana</i>, <i>Nicotiana glutinosa</i>, <i>Nicotiana rustica</i>, <i>Nicotiana rustica</i>, <i>Pelargonium x hortorum</i>, <i>Petunia x hybrid</i>, <i>Petunia x hybrid</i>, <i>Portulaca oleracea</i>, <i>Rosa sp.</i>, <i>Rumex crispus</i>, <i>Scindapsus sp.</i>, <i>Setaria viridis</i>, <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum tuberosum</i> (kentang, potato), <i>Spinacia oleracea</i>, <i>Taraxacum officinale</i>, <i>Tribulus terrestris</i>, <i>Vicia faba</i> (kacang babi, broadbean), <i>Vicia sativa</i>, <i>Vigna unguiculata</i> (kacang tunggak, cowpea)</p>		
62.	<i>Johnsongrass mosaic potyvirus</i>	I	<i>Pennisetum glaucum</i> (pearl	akar (roots),	Africa: Ethiopia

	(JGMV); (Syn. <i>Maize dwarf mosaic virus - strain O</i> , <i>Johnsongrass mosaic virus</i> , <i>Sugarcane mosaic virus - Australian Johnson grass virus</i> , <i>Maize dwarf mosaic virus - Kansas I strain</i> )		millet), <i>Pennisetum purpureum</i> , <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Sorghum halepense</i> (Johnson grass), <i>Urochloa brizantha</i> (palisade grass), <i>Zea mays</i> (jagung, corn, maize)	batang (stems (above ground), trunks, branches), biji (true seeds, grains), buah (fruits), daun (leaves), bagal (sett), rimpang (rhizome)	America: Brazil, Colombia, Venezuela Europe: Hungary Oceania: Australia
63.	<i>Lily symptomless carlavirus</i> (LSV) (Syn. <i>Lily curl stripe virus</i> , <i>Lily streak virus</i> )	I	<i>Alstroemeria</i> sp., <i>Gladiolus hybrid</i> , <i>Hymenocallis littoralis</i> , <i>Lilium</i> sp., <i>Lilium martagon</i> , <i>Tulip</i> sp.	akar (roots), batang (stems (above ground), trunks, branches), bunga (flowers, inflorescens, cones, calyx), daun (leaves), umbi (bulbs, corms, tubers), pedicel  Vektor: <i>Myzus persicae</i> , <i>Macrosiphum euphorbiae</i> , <i>Aphis gossypii</i> <i>A. fabae</i> , <i>Aulacorthum</i>	Asia: India, Japan, Republic of Korea (South Korea), Taiwan America: USA Europe: Bulgaria, Italy, Netherlands, Poland, United Kingdom Oceania: Australia

				<p><i>solani</i>, <i>A. fabae</i> dan  <i>Aulocorthum solani</i>,  <i>Acyrtosiphum pisum</i>, <i>Aphis</i> sp., <i>Brevicoryne brassicae</i>,  <i>Liosomaphis berberidis</i>,  <i>Metopolophium dirhodum</i>,  <i>Rhopalosiphum insertum</i>, <i>R. padi</i>, <i>Uroleucon</i> sp.</p>	
64.	<p><i>Lettuce mosaic potyvirus</i> (LMV);  (Syn. <i>Lettuce virus 1</i>)</p>	I	<p><i>Cichorium intybus</i> (chicory),  <i>Carthamus tinctorius</i> (safflower), <i>Cicer arietinum</i> (kacang arab, chickpea),  <i>Cichorium endivia</i> (endive),  <i>Eustoma grandiflorum</i> (lisianthus), <i>Lactuca sativa</i> (selada, lettuce), <i>Pisum sativum</i> (kacang kapri, pea),  <i>Spinacia oleracea</i> (spinach),  <i>Sonchus</i> (Sowthistle),  <i>Stellaria media</i> (common chickweed), <i>Sinapis arvensis</i> (wild mustard)</p>	<p>biji (true seeds), daun (leaves), tanaman (whole plant)</p> <p>Vektor:  Aphididae:  <i>Aphis gossypii</i>,  <i>Myzus persicae</i></p>	<p>Africa: Egypt, Ghana, Malawi, Mauritius, Morocco, Sierra Leone, South Africa, Tanzania, Tunisia, Zambia, Zimbabwe  America: Argentina, Brazil, Canada, Chile, Ecuador, Jamaica, Mexico, USA, Uruguay  Asia: China, India, Iran, Iraq, Israel, Japan, Jordan, Lebanon, Malaysia,</p>

					<p>Republic of Korea (South Korea), Saudi Arabia, Syria, Taiwan, Yemen</p> <p>Europe: Austria, Belgium, Croatia, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Spain, Sweden, Switzerland, Turkey, United Kingdom</p> <p>Oceania: Australia, New Zealand</p>
65.	<p><i>Little cherry velarivirus 1</i> (LChV 1) (Syn. <i>Cherry little cherry virus</i> Nemeth, 1986, <i>K &amp; S disease</i> Reeves, Cheney &amp; Milbrath, 1955, <i>K &amp; S little cherry</i> Reeves, Cheney &amp; Milbrath, 1955, <i>Little cherry disease virus</i> Wilks &amp; Welsh, 1961, <i>Sour cherry decline</i> Milbrath &amp; Williams, 1956)</p>	I	<p><i>Prunus</i> spp., <i>Prunus avium</i> (ceri, sweet cherry), <i>Prunus cerasus</i> (kersen, sour cherry), <i>Prunus emarginata</i> (bitter cherry), <i>Prunus incisa</i> (Fuji cherry), <i>Prunus mahaleb</i> (mahleb cherry), <i>Prunus sargentii</i> (Sargent's cherry), <i>Prunus serrula</i> (Tibetan cherry), <i>Prunus serrulata</i> (Japanese cherry), <i>Prunus subhirtella</i> (higan</p>	<p>akar (roots), batang (stems), bunga (flowers, inflorescences, cones, calyx), daun (leaves), tunas (shoots, buds)</p>	<p>America: Canada, USA</p> <p>Asia: China, Japan</p> <p>Europe: Belgium, Czech Republic, Germany, Greece, Italy, Poland, Romania, Slovakia, Spain; Switzerland, Turkey, United Kingdom</p> <p>Oceania: New Zealand</p>

			cherry), <i>Prunus tomentosa</i> (Nanking cherry), <i>Prunus x sieboldii</i> , <i>Prunus x yedoensis</i> (Yoshino cherry tree), <i>Prunus pensylvanica</i> (Pin cherry)		
66.	<i>Lucerne enation rhabdovirus</i> (LEV); (Syn. <i>Alfalfa enation virus</i> , <i>Lucerne enation virus</i> )	I	<i>Alfalfa</i> sp., Fabaceae, <i>Medicago sativa</i> (alfalfa, Lucerne), <i>Vicia faba</i> (kacang babi, broad bean)	tanaman (whole plant) Vektor: <i>Aphis craccivora</i>	Africa: South Africa, Sudan America: Argentina, Canada, Colombia, Peru, USA Asia: Iran, Japan Europe: Belgium, Bulgaria, Czech Republic, Denmark, France, Greece, Hungary, Italy, Poland, Romania, Russian Federation, Serbia, Slovakia, Switzerland Oceania: Australia
67.	<i>Maize chlorotic dwarf waikavirus</i> (MCDV); (Syn. <i>Maize chlorotic dwarf machlovirus</i> , <i>Maize chlorotic dwarf MCDV group</i> , <i>Maize chlorotic dwarf ribotungrovirus</i> , <i>Maize chlorotic dwarf virus</i> , <i>Corn stunt agent</i> )	I	<i>Oryza sativa</i> (padi, paddy, rice), <i>Setaria</i> spp., <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Zea mays</i> (jagung, corn, maize)	tanaman (whole plant) Vektor: Hemiptera, Cicadellidae: <i>Amblysellus grex</i> , <i>Dalbulus</i>	America: USA Asia: Japan, India

				<i>maidis, Endria inimica, Exitianus exitiosus, Graminella nigrifrons, Graminella sonora, Macrosteles severini, Planicephalus flavo costatus, Stirellus bicolor</i>	
68.	<i>Maize chlorotic mottle machlomovirus (MCMV);</i> <i>(Syn. Maize chlorotic mottle virus, Maize mottle virus, Peru corn virus)</i>	I	<i>Bromus arvensis, Panicum vurgatum, Saccharum officinarum</i> (tebu, sugarcane), <i>Setaria glauca, Sorghum bicolor</i> (sorghum, sorghum), <i>Triticum aestivum</i> (gandum, wheat), <i>Zea mays</i> (jagung, corn, maize), <i>Zea diploperennis</i>	biji (true seeds, grains), tanah (soils), tanaman (whole plants)  Vektor: Coleoptera, Chrysomelidae: <i>Chaetocnema pulicaria, Diabrotica spp., Oulema melanop, Systema frontalis</i> Thysanoptera, Thripidae:	Africa: Congo, Ethiopia, Kenya, Mozambique, Rwanda, Tanzania, Uganda America: Argentina, Brazil, Hawaii, Mexico, Peru, USA Asia: China Europe: Spain

				<i>Frankliniella williamsii</i>	
69.	<i>Maize dwarf mosaic potyvirus</i> (MDMV); (Syn. <i>European maize mosaic virus</i> , <i>Indian maize mosaic virus</i> , <i>Maize dwarf mosaic virus</i> , <i>Maize stripe mosaic virus</i> , <i>Peru corn virus</i> , <i>Sorghum red stripe virus</i> )	I	<i>Avena sativa</i> (oat, oats), <i>Bromus catharticus</i> (prairiegrass), <i>Cloris barbata</i> (purpletop chloris), <i>Panicum miliaceum</i> (millet), <i>Paspalum conjugatum</i> (sour paspalum), <i>Pennisetum glaucum</i> (pearl millet), <i>Saccharumofficinarum</i> (tebu, sugarcane), <i>Sorghum halepense</i> (Johnson grass), <i>Sorghum bicolor</i> (sorghum, sorghum), <i>Tripsacum dactyloides</i> (eastern gamagrass USA), <i>Zea mays</i> (jagung, corn, maize), <i>Zea mays</i> subsp. <i>mays</i> (jagung manis, sweetcorn, maize)	akar (roots), batang (stems), bibit (seedlings, micropropagate d plants), biji (true seeds, grains), bunga (flowers, inflorescences, cones, calyx), daun (leaves), tunas (shoots, buds)	Africa: Africa, Egypt, Ethiopia, Ivory Coast, Kenya, Mauritius, Morocco, Niger, Nigeria, South Zambia, Zimbabwe America: Argentina, Canada, Chile, Colombia, Haiti, Hawaii, Honduras, Mexico, Peru, USA, Venezuela Asia: China, Georgia, India, Iran, Iraq, Israel, Kazakhstan, Pakistan, Philippines, Republic of Korea (South Korea), Taiwan, Turkey, Uzbekistan Europe: Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, France, Germany, Montenegro, North Macedonia, Italy, Poland, Romania, Russian Federation,

					Serbia, Slovakia, Slovenia, Spain, Ukraine Oceania: Australia
70.	<i>Maize mosaic nucleorhabdovirus</i> (MMV); (Syn. <i>Maize mosaic virus</i> , <i>Maize stripe Indian virus</i> , <i>Sorghum chlorosis virus</i> , <i>Zea mays virus</i> )	I	<i>Axonopus compressus</i> (carpet grass), <i>Hordeum vulgare</i> (barli, barley), <i>Rottboellia cochinchinensis</i> (Itchgrass), <i>Sorghum halepense</i> (Johnsongrass), <i>Sorghum bicolor</i> (sorghum, sorghum), <i>Zea mays</i> (jagung, corn, maize), <i>Zea mexicana</i> (Mexican teosinte)	akar (roots), batang (stems (above ground), trunks, branches), bibit (seedlings, micropropagate d plants), bunga (flowers, inflorescences, cones, calyx), daun (leaves), tunas (shoots, buds)  Vektor: Hemiptera, Delphacidae: <i>Peregrinus maidis</i>	Africa: Kenya, Madagascar, Mauritius, Mozambique, Nigeria, Réunion, Tanzania, Zimbabwe America: Brazil, Colombia, Cuba, Guyana, Hawaii, Guadeloupe, Mexico, Peru, Puerto Rico, Suriname, USA, Venezuela Asia: India, Yemen Oceania: Fiji, Solomon Island



71.	<i>Maize rayado fino marafivirus</i> (MRFV); (Syn. <i>Maize rayado fino marafivirus</i> Gamez, 1980b, <i>Maize rayado fino virus</i> )	I	<i>Robbboellia cochinchinensis</i> (itch grass), <i>Tripsacum austral</i> , <i>Zea diploperennis</i> , <i>Zea mays</i> (jagung, corn, maize)	akar (roots), batang (stems (above ground), trunks, branches), bibit (seedlings, micropropagated plants), bunga (flowers, inflorescences, cones, calyx), daun (leaves), tunas (shoots)  Vektor: Hemiptera, Cicadellidae: <i>Dalbulus maidis</i> , <i>D.elimatus</i> , <i>Baldulus tripsaci</i> , <i>Graminella nigrifrons</i>	America: Argentina, Brazil, Colombia, Costa Rica, El Salvador, Ecuador Guatemala, Honduras, Mexico, Nicaragua, Panama, Peru, USA, Uruguay, Venezuela
72.	<i>Maize rough dwarf fjiivirus</i> (MRDV); (Syn. <i>Cereal tillering disease fjiivirus</i> , <i>Cereal tillering disease reovirus</i> , <i>Cereal tillering disease virus</i> , <i>Maize rough dwarf virus</i> )	I	<i>Avena sativa</i> (oat, oats), <i>Cynodon dactylon</i> (rumput bermuda, bermuda grass), <i>Digitaria sanguinalis</i> (large crabgrass), <i>Echinochloa crus-galli</i> (barnyard grass),	akar (roots), batang (stems (above ground), trunks, branches), bibit (seedlings,	America: Argentina Asia: China, Iran, Israel, Republic of Korea (South Korea) Europe: Bosnia and Herzegovina, Croatia,

			<p><i>Hordeum vulgare</i> (barli, barley), <i>Lolium perenne</i> (perennial ryegrass), <i>Sorghum bicolor</i> (sorghum, sorghum), <i>Triticum aestivum</i> (gandum, wheat), <i>Zea mays</i> subsp. <i>mays</i> (jagung manis, sweetcorn), <i>Zea mays</i> (jagung, corn, maize)</p>	<p>micropropagate d plants), bunga (flowers, infloewacences, cones, calyx), daun (leaves), tunas (shoots, buds)</p> <p>Vektor: Hemiptera, Delphacidae: <i>Laodelphax striatellus</i></p>	<p>Czech Republic, France, Germany, Greece, Italy, Montenegro, North Macedonia, Norway, Serbia, Spain, Sweden, Switzerland, Slovenia, Slovakia</p>
73.	<p><i>Maize streak mastrevirus</i> (MSV); (Syn. <i>Cereal African streak virus</i>, <i>Maize mottle virus</i> Smith, 1957; Martyn, 1968; <i>Maize streak monogeminivirus</i> Storey (1925), Bock et al., 1974; <i>Maize streak virus</i> A McClean, 1947; <i>Sugarcane streak virus</i> Storey, 1925)</p>	I	<p><i>Avena sativa</i> (oat, oats), <i>Hordeum vulgare</i> (barli, barley), Poaceae (grasses), <i>Saccharum officiarum</i> (tebu, sugarcane), <i>Secale cereale</i> (rye), <i>Sorghum bicolor</i> (sorghum, sorghum), <i>Triticum aestivum</i> (gandum, wheat), <i>Zea mays</i> (jagung, corn, maize)</p>	<p>akar (roots), batang (stems (above ground), trunks, branches), bunga (flowers), bibit (seedlings, micropropagate d plants), daun (leaves)</p> <p>Vektor: Hemiptera, Cicadellidae: <i>Cicadulina mbila</i>,</p>	<p>Africa: Africa, Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Central DR Congo, Congo, Egypt, Ethiopia, Gabon, Ghana, Guinea, Ivory Coast, Kenya, Madagascar, Malawi, Mali, Mauritius, Mozambique, Niger, Nigeria, Rwanda, Réunion, Sao Tome and Principe, Senegal, Sierra Leone, South</p>

				<p><i>Cicadulina arachidis</i>,  <i>Cicadulina bipunctella</i>,  <i>Cicadulina triangula</i>,  <i>Cicadulina bimaculata</i>,  <i>Cicadulina similis</i>,  <i>Cicadulina latens</i>,  <i>Cicadulina ghaurii</i>,  <i>Cicadulina parazeae</i>,  <i>Nesoclutha declivata</i></p>	<p>Africa, Sudan,  Swaziland, Tanzania,  Togo, Uganda, Zambia,  Zimbabwe  America: USA  Asia: India, Yemen</p>
74.	<p><i>Maize stripe tenuivirus</i> (MSpV);  (Syn. <i>Maize chlorotic stripe virus</i>,  <i>Maize stripe virus</i>, <i>Sorghum chlorosis virus</i>)</p>	I	<p><i>Avena sativa</i> (oat, oats),  <i>Hordeum vulgare</i> (barli,  barley), <i>Oryza sativa</i> (padi,  paddy, rice), <i>Rottboellia cochinchinensis</i> (itch grass),  <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Secale cereale</i> (rye), <i>Sorghum bicolor</i> (sorgum, sorghum),  Triticale, <i>Triticum aestivum</i> (gandum, wheat), <i>Zea mays</i> (jagung, corn, maize)</p>	<p>akar (roots),  batang (stems (above ground),  trunks, branches),  bunga (flowers, infloresceces,  cones, calyx),  bibit (seedlings, micropropagate d plants),  daun (leaves)</p>	<p>Africa: Benin,  Botswana, Cameroon,  DR Congo, Egypt,  Kenya, Madagascar,  Mauritius, Malawi,  Mozambique, Nigeria,  Réunion, Sao Tome and Principe,  South Africa, Swaziland,  Tanzania, Uganda,  Zimbabwe  America: Argentina,</p>

				Vektor: Hemiptera, Delphacidae: <i>Peregrinus maidis</i> , <i>Dalbulus maydis</i> , <i>Sogatela coolophon</i> , <i>Toya sp.</i>	Brazil, Costa Rica, Guadeloupe, Peru, Puerto Rico, USA, Venezuela Asia: China, India, Philippines, Taiwan, Thailand Oceania: Australia
75.	<i>Maize white line mosaic aureusvirus</i> (MWLMV); (Syn. <i>Maize dwarf ringspot virus</i> , <i>Maize white line virus</i> )	I	<i>Digitaria sanguinalis</i> (large crabgrass), <i>Panicum</i> sp., <i>Setaria faberi</i> , <i>Tritichum aestivum</i> (gandum, wheat), <i>Zea mays</i> (jagung, corn, maize)	polen (pollens), tanah (soil), tanaman (whole plants)  Vektor: <i>Graminiella nigrifrons</i> , <i>Rhopalosiphum maydis</i>	America: USA Europe: France, Italy
76.	<i>Orchid fleck dichorhabdovirus</i> (OFV); (Syn. <i>Dendrobium leaf streak virus</i> , <i>Dendrobium virus</i> , <i>Laelia red leafspot</i> , <i>Short orchid rhabdovirus</i> , <i>Orchid rhabdovirus</i> , <i>Orchid fleck virus</i> , <i>Phalaenopsis chlorotic spot virus</i> , <i>Phalaenopsis hybrid virus</i> , <i>Phalaenopsis virus</i> )	I	Orchidaceae	tanaman (whole plants)  Vektor: <i>Brevipalpus californicus</i>	America: Brazil, Costa Rica, Paraguay, USA Asia: Japan Europe: France, Germany Oceania: Australia, New Zealand

77.	<i>Papaya mosaic potexvirus</i> (PapMV); (Syn. <i>Argentine plantago potexvirus</i> , <i>Argentine plantago virus</i> , <i>Australian alternanthera potexvirus</i> , <i>Babaco yellow mosaic virus</i> , <i>Boussingaultia mosaic virus</i> , <i>Olive vein yellow virus</i> , <i>Papaya mild mosaic virus</i> , <i>Papaya mosaic virus</i> , <i>Paupaw mild mosaic virus</i> , <i>Paupaw mosaic virus</i> , <i>Portulaca virus</i> , <i>Salvia potexvirus</i> , <i>Trichosanthes virus</i> , <i>Ullucus potexvirus</i> )	I	<i>Carica papaya</i> (pepaya, papaya)	akar (roots), batang (stems (above ground), trunks, branches), bibit (seedlings, micropropagate d plants), buah (fruits), bunga (flowers, inflorescences, cones, calyx), daun (leaves), umbi (bulbs, corms, tubers)	Africa: Tanzania, Zimbabwe America: Brazil, Dominica, Jamaica, Mexico, Puerto rico, Trinidad and Tobago, USA, Venezuela Asia: India, Philippines Oceania: Guam
78.	<i>Papaya apical necrosis rhabdovirus</i> (PANV); (Syn. <i>Papaya droopy necrosis virus</i> (PDNV), <i>Papaya apical necrosis virus</i> (PANV))	I	<i>Carica papaya</i> (pepaya, papaya)	tanaman (whole plants)  Vektor: <i>Empoasca papayae</i>	America: Cuba, Carribean, USA
79.	<i>Papaya ringspot virus W</i> (PRSV-W) Syn. <i>Papaya ringspot virus</i> (W strain)	I	Cucurbitaceae, <i>Citrullus lanatus</i> (semangka, watermelon), <i>Cucurbita pepo</i> (labu kuning, zukini, zucchini), <i>Momordica charantia</i>	batang (stems (above ground), trunks, branches), bibit (seedlings), buah (fruits), bunga (flowers, inflorescences,	Africa: Egypt, Ivory Coast, Nigeria, Sudan, Tunisia America: Bahamas, Brazil, Colombia, Costa Rica, Cuba, Dominica, Ecuador, El Salvador, Guadeloupe,

				<p>cones, calyx), daun (leaves), tanaman (whole plants)</p> <p>Vektor: Hemiptera, Aphididae: <i>Myzus persicae</i>, <i>Aphis</i> <i>coreopsidis</i>, <i>A.</i> <i>craccivora</i>, <i>A.</i> <i>fabae</i>, <i>A.</i> <i>gossypii</i>, <i>Toxoptera</i> <i>citricida</i></p>	<p>Honduras, Jamaica, Mexico, Puerto Rico, Trinidad and Tobago, USA, Venezuela Asia: China, India, Japan, Lebanon, Malaysia, Nepal, Philippines, Singapore, Sri Lanka, Syria, Thailand, Taiwan, Turkey, Vietnam, Yemen Europe: Cyprus, France, Germany, Italy, Poland Oceania: Australia, French Polynesia, Papua New Guinea, Samoa, Solomon Island, Tonga</p>
80.	<p><i>Passion fruit woodiness potyvirus</i> (PWV); (Syn. <i>Passiflora chlorotic spot virus</i>, <i>Passiflora mosaic virus</i>, <i>Passionfruit</i> <i>mosaic virus</i>, <i>Passionfruit mottle virus</i>, <i>Passionfruit woodiness virus</i>)</p>	I	<p><i>Arachis hypogaea</i> (kacang tanah, groundnut, peanut), <i>Glycine max</i> (kedelai, soybean), <i>Passiflora</i> <i>caerulea</i> (bluecrown passionflower), <i>Passiflora</i> <i>edulis</i> (markisa, passionfruit), <i>Passiflora</i> <i>foetida</i> (red fruit passion flower), <i>Passiflora suberosa</i></p>	<p>tanaman (whole plants)</p> <p>Vektor: Aphid</p>	<p>Africa: South Africa, Uganda America: Brazil, Martinique Asia: Japan Oceania: Australia, New Zealand, Samoa</p>

			(corky passionflower), <i>Phaseolus vulgaris</i> (buncis, common bean)		
81.	<i>Pea enation mosaic 1 enamovirus</i> (PEMV-1); (Syn. <i>Pea enation mosaic virus-1</i> , <i>Pea enation mosaic virus</i> , <i>Pea enation mosaic virus 'group'</i> , <i>Pea virus 1</i> )	I	<i>Cicer arietinum</i> (kacang arab, chickpea), <i>Lathyrus odoratus</i> , <i>Lens culinaris</i> (lentil), <i>Medicago arabica</i> (spotted medick), <i>Pisum sativum</i> (kacang kapri, pea), <i>Trifolium incarnatum</i> , <i>Vicia faba</i> (kacang babi, broadbean), <i>Vicia sativa</i> (common vetch)	biji (true seeds, grains), tanaman (whole plants)  Vektor: Hemiptera, Aphididae: <i>Acyrtosiphon pisum</i> , <i>Myzus persicae</i> , <i>Frankiniella occidentalis</i>	America: USA, Canada Asia: China, Iran Europe: Austria, Czech Republic, Germany, Spain, Slovakia, United Kingdom
82.	<i>Pea seed-borne mosaic potyvirus</i> (PSbMV); (Syn. <i>Pea leaf-roll virus</i> , <i>Pea seed-borne mosaic virus</i> )	I	<i>Lens culinaris</i> (lentil), <i>Pisum sativum</i> (kacang kapri, pea), <i>Vicia</i> sp., <i>Vicia faba</i> (kacang babi, broad bean)	biji (true seeds, grains), daun (leaves), tanaman (whole plants)  Vektor: Aphids; <i>Acyrtosiphon pisum</i> , <i>Aphis craccivora</i> , <i>Aphis fabae</i> , <i>Uroleucon escalantii</i> , <i>Ovatus</i>	Africa: Algeria, Egypt, Ethiopia, Libya, Morocco, South Africa, Sudan, Tanzania, Tunisia, Zambia, Zimbabwe America: Brazil, Canada, Peru, USA Asia: India, Iran, Japan, Jordan, Lebanon, Nepal, Pakistan, Syria, Taiwan, Yemen Europe: Belgium,

				<i>crataegarius</i> , <i>Rhopalosiphum</i> <i>pad</i>	Bosnia and Herzegovina, Croatia, Czech Republic, Denmark, Finland, France, Germany, Montenegro, Netherlands, North Macedonia, Poland, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Sweden, Switzerland, Turkey, United Kingdom Oceania: Australia, New Zealand
83.	<i>Pea streak carlavirus</i> (PeSV); (Syn. <i>Alfalfa latent virus</i> , <i>Pea streak virus</i> , <i>Steinklee virus</i> , <i>Pea streak virus</i> )	I	<i>Cicer arietinum</i> (kacang arab, chickpea), Leguminosae, <i>Medicago sativa</i> (alfalfa, lucerne), <i>Pisum sativum</i> (kacang kapri, pea), <i>Vicia faba</i> (kacang babi, broad bean), <i>Trifolium pretense</i> (semanggi merah, red clover)	biji (true seeds, grains), tanaman (whole plants)  Vektor: pea aphid ( <i>Agrosiphum pisum</i> )	America: Canada, USA
84.	<i>Peach latent mosaic pelamoviroid</i> (PLMVd); (Syn. <i>Peach latent mosaic viroid</i> ; <i>Prunus virus 5</i> ; <i>Peach yellow mosaic viroid</i> ; <i>Peach yellow mosaic</i> ; <i>Peach</i>	I	<i>Prunus persica</i> (persik, peach), <i>Prunus armeniaca</i> (aprikot, apricot), <i>Prunus avium</i> (ceri, sweet cherry), <i>Prunus domestica</i> (prem,	akar (roots), buah (fruits), batang (stems (above ground), trunks,	Africa: Algeria, Egypt, Morocco, South Africa, Tunisia America: Argentina, Canada, Chile, Mexico,



	<i>blotch; Peach virus 6; Peach American mosaic disease; Peach American mosaic pathogen; Peach mosaic; Peach calico)</i>		plum)	branches), bunga (flowers, inflorescences, cones, calyxes), daun (leaves), polen (pollen), tanaman (whole plants), tunas (shoots, buds)	USA, Uruguay Asia: China, Japan, Lebanon, Republic of Korea (South Korea), Syria, Turkey Europe: Albania, Austria, Bosnia and Herzegovina, Croatia, Bosnia and Herzegovina, Greece, Montenegro, North Macedonia, France, Italy, Montenegro, Romania, Serbia, Slovenia, Spain Oceania: Australia
85.	<i>Peach rosette mosaic nepovirus (PRMV); (Syn. Grape decline virus, Grapevine degeneration virus, Peach rosette mosaic virus, Rosette mosaic virus)</i>	I	<i>Prunus persica</i> (persik, peach), <i>Prunus salicina</i> (Japanese plum), <i>Rumex crispus</i> , <i>Solanum carolinense</i> , <i>Taraxacum officinale</i> , <i>Vaccinium corymbosum</i> , <i>Vitis lacrusca</i> (fox grape), <i>Vitis vinifera</i> (anggur, grapevine)	akar (roots), biji (true seeds, grains), batang (stems (above ground), trunks, branches), daun (leaves), buah (fruits), polong (pods), sulur (stolon), polen (pollen), tanah (soils), media tumbuh	Africa: Egypt America: Canada, USA Asia: India, Turkey

				(growing media)  Vektor: Dorylaimidae, Longidoridae: <i>Xiphinema americanum</i> , <i>Longidorus diadecturus</i>	
86.	<i>Peanut chlorotic streak soymovirus</i> (PCSV); (Syn. <i>Peanut chlorotic streak virus</i> , <i>Peanut chlorotic streak soymovirus</i> )	I	<i>Arachys hypogaea</i> (kacang tanah, peanut), <i>Canavalia ensiformis</i> , <i>Cyamopsis tetragonoloba</i> , <i>Glycine max</i> (kedelai, soyabean), <i>Vigna unguiculata</i> (kacang tunggak, cowpea), <i>Spinacia oleracea</i> , <i>Vicia faba</i> (kacang babi, broad bean), <i>Vigna radiata</i> (kacang hijau, mungbean)	tanaman (whole plants)	Asia: India
87.	<i>Peanut clump pecluvirus</i> (PCV); (Syn. <i>Peanut clump furovirus</i> , <i>Peanut clump virus</i> , <i>Indian peanut clump virus</i> (IPCV))	I	<i>Arachys hypogaea</i> (kacang tanah, peanut), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Setaria italyca</i> (foxtail millet), <i>Triticum aestivum</i> (gandum, wheat), <i>Zea mays</i> (jagung, corn, maize)	akar (roots), biji (true seeds, grains), bagal (sett)  Vektor: <i>Plasmodiophora ceae</i> : <i>Polymyxa graminis</i>	Africa: Benin, Burkina faso, Chad, Congo, Gabon, Ivory Coast, Mali, Nigeria, Senegal, Sudan Asia: India, Pakistan
88.	<i>Peanut stunt cucumovirus</i> (PSV);	I	<i>Apium graveolens</i> (seledri,	biji (true seeds,	Africa: Morocco, Sudan

	<p>(Syn. <i>Black locust true mosaic virus</i>, <i>Clover blotch virus</i>, <i>Groundnut stunt virus</i>, <i>Peanut common mosaic virus</i>, <i>Peanut stunt virus</i>, <i>Robinia mosaic virus</i>)</p>		<p>celery), <i>Arachys hypogaea</i> (kacang tanah, <i>peanut</i>), <i>Datura stramonium</i> (jimson weed), <i>Glycine max</i> (kedelai, soyabean), <i>Lupinus albus</i> (white lupine), <i>Lupinus luteus</i> (yellow lupin), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Pisum sativum</i> (kacang kapri, pea), <i>Phaseolus</i> spp. (beans), <i>Phaseolus vulgaris</i> (buncis, <i>common bean</i>), <i>Pisum sativum</i> (kacang kapri, peas), <i>Securigera varia</i> (crown vetch), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Tephrosia</i> (<i>hoary-pea</i>), <i>Trifolium incarnatum</i> (crimson clover), <i>Trifolium pratense</i> (semanggi merah, red clover), <i>Trifolium repens</i> (semanggi putih, white clover), <i>Trifolium subterraneum</i> (subterranean clover), <i>Trifolium vesiculosum</i> (arrowleaf clover), <i>Vicia faba</i></p>	<p>grains), tanaman (whole plants)  Vektor: Hemiptera, Aphididae: <i>Aphis craccivora</i>, <i>Aphis spiraecola</i>, <i>Myzus persicae</i></p>	<p>America: USA, Brazil Asia: China, DPR Korea (North Korea), Georgia, Japan, Iran, Republic of Korea (South Korea) Europe: Bulgaria, France, Hungary, Italy, Poland, Spain</p>
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			(kacang babi, broadbean), <i>Vigna angularis</i> (kacang merah, kidney bean), <i>Vigna unguiculata</i> (kacang tunggak, cowpea)		
89.	<i>Pepino mosaic potexvirus</i> (PepMV)	I	<i>Amaranthus graecizans</i> , <i>Amaranthus retroflexus</i> , <i>Amaranthus viridis</i> , <i>Calendula arvensis</i> , <i>Chenopodium murale</i> , <i>Chrysanthemum segetum</i> (krisan, chrysanthemum), <i>Convolvulus arvensis</i> , <i>Convolvulus humilis</i> , <i>Datura stramonium</i> (jimsonweed), <i>Gomphrena globose</i> , <i>Lycopersicon pimpinellifolium</i> (currant tomato), <i>Malva neglecta</i> , <i>Malva nicaeensis</i> , <i>Malva parviflora</i> , <i>Malva sylvestris</i> (common mallow), <i>Nicotiana clevelandii</i> , <i>Nicotiana glauca</i> (tree tobacco), <i>Nicotiana rustica</i> (wild tobacco), <i>Ocimum basilicum</i> , <i>Plantago lagopus</i> (Mediterranean plantain), <i>Plantago major</i> (broad-leaved plantain), <i>Solanum</i>	batang (stems (above ground), trunks, branches), biji (true seeds, grains), buah (fruits), daun (leaves), polong (pods)	Africa: Morocco, South Africa America: Canada, Chile, Ecuador, Mexico, Peru, USA Asia: China, Syria, Taiwan, Turkey Europe: Austria, Belgium, Bulgaria, Cyprus, Denmark, France, Germany, Greece, Hungary, Ireland, Italy, Lithuania, Netherlands, Poland, Spain, Switzerland, United Kingdom, Ukraine

			<i>lycopersicum</i> (tomat, tomato), <i>Solanum melongena</i> (terung, aubergine, eggplant), <i>Solanum muricatum</i> (medlon pear), <i>Solanum nigrum</i> (leunca, black nightshade), <i>Solanum tuberosum</i> (kentang, potato), <i>Sonchus asper</i> , <i>Sonchus oleraceus</i> , <i>Sonchus tenerrimus</i> , <i>Lens culinaris</i> (lentil)		
90.	<i>Pepper mild mottle virus</i> (PMMoV); (Syn. <i>Bell pepper mottle virus</i> , <i>Capsicum mosaic virus</i> , <i>Pepper mild mosaic virus</i> , <i>Pepper mild mottle tobamovirus</i> , <i>Pepper mild tigre virus</i> , <i>Pepper mosaic virus</i> , <i>Samsun latent strain of tobacco mosaic virus</i> )	I	<i>Capsicum</i> spp.(peppers), <i>Capsicum annuum</i> (cabai, paprika, bell pepper), <i>Capsicum frutescens</i> (cabai, chili), <i>Physalis angulate</i> (cutleaf groundchery), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Vicia faba</i> (kacang babi, broadbean)	biji (true seeds, grains), buah (fruits)	Asia: China, Israel, , Japan, Pakistan Republic of Korea (South Korea), Taiwan, Turkey Africa : Egypt, Ethiopia, Senegal, South Africa, Tunisia, Zambia America: Canada, Mexico, Antiqua and Barbuda, Barbados, Haiti, Jamaica, Montserrat, Saint Lucia, Trinidad and Tobago, Panama, USA Europe: Belgium, Bulgaria, Czech

					Republic, Denmark, France, Greece, Hungary, Iceland, Italy, Netherlands, Spain, United Kingdom Oceania: Australia, New Zealand
91.	<i>Pigeonpea sterility mosaic virus</i> (PPSMV) (Syn. <i>Pigeonpea sterility mosaic emavirus</i> )	I	<i>Cajanus cajan</i> (kacang gude, pigeon pea)	tanaman (whole plants)  Vektor: Acari; arthropoda: <i>Aceria cajani</i>	Asia: Bangladesh, India, Myanmar, Nepal, Sri Lanka, Thailand
92.	<i>Plum pox potyvirus</i> (PPV); (Syn. <i>Annulus pruni</i> ; <i>Plum pox virus</i> ; <i>Prunus virus 7</i> ; <i>Sharka virus</i> )	I	<i>Cichorium</i> (chicory), <i>Cirsium arvense</i> (creeping thistle), <i>Clematis</i> , <i>Convolvulus arvensis</i> (bindweed), <i>Euonymus europaeus</i> , <i>Juglans regia</i> (walnut), <i>Ligustrum vulgare</i> (common privet), <i>Prunus armeniaca</i> (aprikot, apricot), <i>Prunus angustifolia</i> (Mountain cherry tree), <i>Prunus avium</i> (ceri, sweet cherry), <i>Prunus besseyi</i> (bessey cherry), <i>Prunus cerasifera</i> (myrobalan plum), <i>Prunus cistena</i> , <i>Prunus davidiana</i> , <i>Prunus domestica</i> (prem,	akar (roots), batang (stems), bibit (seedlings), biji (true seeds, grains), buah (fruits), daun (leaves), polong (pods)  Vektor: Aphids: <i>Myzus persica</i> , <i>Aphis piricola</i> , <i>Hyalopterus pruni</i>	Africa: Egypt, Tunisia America: Argentina, Canada, Chile, USA Asia: China, India, Israel, Iran, Jordan, Kazakhstan, Pakistan, Republic of Korea (South Korea), Syria, Turkey Europe: Albania, Austria, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Greece,

			<p>plum), <i>Prunus dulcis</i> (almon, badam, almond), <i>Prunus emarginata</i> (Bitter cherry tree), <i>Prunus fruticosa</i> (dwarf cherry), <i>Prunus glandulosa</i> (flowering almond), <i>Prunus hortulana</i>, <i>Prunus humilis</i>, <i>Prunus ilicifolia</i> (holly-leaved cherry), <i>Prunus japonica</i> (Japanese bush cherry tree), <i>Prunus maackii</i>, <i>Prunus mahaleb</i> (mahaleb cherry), <i>Prunus maritima</i> (beach plum), <i>Prunus mexicana</i>, <i>Prunus nigra</i> (Canada plumtree), <i>Prunus padus</i> (bird cherry), <i>Prunus pennsylvanica</i> (pin cherry), <i>Prunus persica</i> (persik, peach), <i>Prunus pumila var. besseyi</i>, <i>Prunus pumila var. depressa</i>, <i>Prunus salicina</i> (Japanese plum), <i>Prunus sargentii</i> (sargent's cherry), <i>Prunus serrulata</i> (Japanese flowering cherry), <i>Prunus serotina</i> (black cherry), , <i>Prunus subhirtella</i> (weeping Japanese cherry), <i>Prunus</i></p>		<p>Hungary, Italy, Latvia, Lithuania, Luxemburg, Moldova, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Switzerland, Slovakia, Slovenia, Spain, Ukraine, United Kingdom</p>
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			<p><i>spinosa</i> (blackthorn), <i>Prunus tenella</i>, <i>Prunus tomentosa</i> (Nanking cherry tree), <i>Prunus triloba</i> (Rose tree of China) <i>Prunus yedoensis</i>, <i>Prunus virginiana</i> (common chokecherrytree), <i>Prunus virginiana var. demissa</i>, <i>Rorippa sylvestris</i> (creeping yellowcress), <i>Solanum nigrum</i> (leunca, black nightshade), <i>Sonchus</i> (sowthistle), <i>Taraxacum officinale complex</i> (dandelion), <i>Trifolium</i> (clovers)</p>		
93.	<p><i>Potato black ringspot nepovirus</i> (PBRSV); (Syn. <i>Andean potato calico strain of tobacco ringspot virus</i>, <i>Andean potato calico strains nepovirus</i>, <i>Potato black ringspot virus</i>, <i>Potato calico strain of tobacco ringspot virus</i>, <i>Tobacco singspot nepovirus</i> (<i>Andean potato calico strain</i>), <i>Tobacco ringspot nepovirus</i> (<i>potato calico strain</i>), <i>Tobacco ringspot virus</i> (<i>Andean potato calico strain</i>))</p>	I	<p><i>Arracacia xanthorrhiza</i> (arracacha), <i>Oxalis tuberosa</i> (oca), <i>Solanum tuberosum</i> (kentang, potato)</p>	<p>batang (stems (above ground), trunks, branches), bibit (seedlings, micropropgated plants), biji (true seeds, grains), daun (leaves), umbi (bulbs, corms, tubers)</p>	America: Peru



94.	<i>Potato mop-top pomovirus</i> (PMTV); (Syn. <i>Potato mop-top furovirus</i> , <i>Potato mop-top virus</i> )	I	<i>Solanum tuberosum</i> (kentang, potato)	akar (roots), batang (stems (above ground), trunks, branches), daun (leaves), umbi (bulbs, corms, tubers), media tumbuh (growing media associated with plants)  Vektor: <i>Protozoa</i> , <i>Spongospora</i> <i>subterranea</i>	America: Bolivia, Canada, Chile, Colombia, Costa Rica, Peru, USA, Venezuela Asia: China, Japan, Pakistan, Taiwan Europe: Czech Republic, Denmark, Finland, Germany, Ireland, Latvia, Netherlands, Norway, Poland, Slovakia, Sweden, Switzerland, United Kingdom
95.	<i>Potato spindle tuber pospiviroid</i> (PSTVd); (Syn. <i>Potato spindle viroid</i> , <i>Potato spindle tuber viroid</i> , <i>Potato gothic virus</i> , <i>Tomato bunchy top viroid</i> )	I	<i>Beta vulgaris var saccharifera</i> (bit gula, sugar beet), <i>Brugmansia</i> , <i>Brugmansia suaveolens</i> (white angel's trumpet), <i>Capsicum annuum</i> (cabai, paprika, bell pepper ), <i>Cestrum</i> (jessamine), <i>Cestrum nocturnum</i> (night jessamine), <i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Lycianthes rantonnetii</i> , <i>Persea americana</i> (avokad,	biji (true seeds, grains), polen (pollens), umbi (bulbs, corms, tuber)	Africa: Egypt, Nigeria America: Argentina, Brazil, Canada, Costa Rica, Dominica Republic, Mexico, Peru, Venezuela Asia: Afghanistan, Azerbaijan, Bangladesh, China, Georgia, India, Iran, Japan, Turkey Europe: Austria, Belarus, Belgium,

			avocado), <i>Petunia hybrid</i> , <i>Physalis peruviana</i> (Cape gooseberry), <i>Solanum</i> (nightshade), <i>Solanum laxum</i> , <i>Solanum lycopersicum</i> (tomato), <i>Solanum melongena</i> (terung, aubergine, eggplant ), <i>Solanum muricatum</i> (melon pear), <i>Solanum nigrum</i> (leunca, black nightshade), <i>Solanum tuberosum</i> (kentang, potato), <i>Streptosolen jamesonii</i>		Croatia, Czech Republic, Germany, Greece, Hungary, Italy, Malta, Montenegro, Mexico, Slovenia, Spain, United Kingdom, Ukraine Oceania: Australia
96.	<i>Potato T tepovirus</i> (PVT); (Syn. <i>Potato virus T</i> )	I	<i>Oxalis tuberosa</i> , <i>Solanum</i> , <i>Solanum tuberosum</i> (kentang, potato), <i>Tropaeolum tuberosum</i> (mashua), <i>Ullucus tuberosus</i>	batang (stems), bibit (seedlings, micropropagated plants), biji (true seeds, grains), daun (leaves), umbi (bulbs, corms, tubers)	America: Bolivia, Peru
97.	<i>Potato U nepovirus</i> (PVU); (Syn. <i>Potato virus U</i> )	I	<i>Solanum tuberosum</i> (kentang, potato), <i>Solanum lycopersicum</i> (tomat, tomato)	biji (true seeds, grains), umbi (bulbs, corms, tubers)	America: Peru

				Vektor: Orylaimidae, Longidoridae: <i>Longidorus</i> sp.	
98.	<i>Potato yellow dwarf nucleorhabdovirus</i> (PYDV); (Syn. <i>Potato yellow dwarf rhabdovirus</i> , <i>Potato yellow dwarf nucleorhabdovirus</i> )	I	<i>Chrysanthemum leucanthemum</i> var. <i>pinnatifidum</i> (ox-eye daisy), <i>Mirabilis jalapa</i> , <i>Nicotiana glauca</i> , <i>Solanum tuberosum</i> (kentang, potato), <i>Tagetes erecta</i> , <i>Trifolium incarnatum</i> , <i>Zinnia elegans</i>	umbi (bulbs, corms, tubers)  vektor: <i>Aceratagallia sanguinolenta</i> , <i>Agallia constricta</i>	America: USA Asia: Saudi Arabia
99.	<i>Potato yellow vein crinivirus</i> (PYVV); (Syn. <i>Potato yellow vein virus</i> , <i>Potato vein-yellowing disease</i> , <i>Potato yellow vein disease</i> )	I	<i>Lycopersicon</i> spp., <i>Polygonum mepalense</i> , <i>Solanum nigrum</i> (leunca, black nightshade), <i>Solanum</i> spp., <i>Solanum tuberosum</i> (kentang, potato),	umbi (bulbs, corms, tubers), tanaman (whole plants)  Vektor:Hemiptera, Aleyrodidae: <i>Trialeurodes vaporariorum</i>	America: Colombia, Ecuador, Peru, Venezuela
100.	<i>Prunus necrotic ringspot ilarvirus</i> (PNRSV); (Syn. <i>Cherry line pattern virus</i> , <i>European plum line pattern virus</i> , <i>Hop B virus</i> , <i>Hop C virus</i> , <i>North American plum line pattern virus</i> , <i>Peach ringspot virus</i> , <i>Plum (North America) line pattern virus</i> , <i>Plum line pattern virus</i> , <i>Prunus necrotic ringspot ilarvirus</i> , <i>Prunus</i>	I	<i>Cucumis sativus</i> (mentimun, cucumber), <i>Humulus lupulus</i> (hop), <i>Morus alba</i> (murbei, mulberry), <i>Prunus cerasus</i> (kersen, sour cherry), <i>Prunus domestica</i> (prem, plum), <i>Prunus dulcis</i> (almon, badam,	akar (roots), batang (stems (above ground), trunks, branches), bibit (seedlings), biji (true seeds, grains), bunga (flowers,	Africa: Algeria, Egypt, Morocco, South Africa, Tunisia America: Argentina, Brazil, Canada, Chile, Mexico, USA, Uruguay  Asia: Afghanistan, China, India, Iran,

	<i>ringspot virus, Red currant necrotic ringspot virus, Rose line pattern virus, Rose chlorotic mottle virus, Rose vein banding virus, Rose yellow vein mosaic virus, Sour cherry necrotic ringspot virus)</i>		almond), <i>Prunus persica</i> (persik, pecah), <i>Prunus salicina</i> (Japanese plum), <i>Rosa</i> spp. (mawar, rose), <i>Rubus</i> spp. (blackberry, raspberry)	inflorescences, cones, calyx), polen (pollens), tunas (shoots, buds)	Israel, Japan, Jordan, Lebanon, Republic of Korea (South Korea), Saudi Arabia, Syria, Turkey Europe: Albania, Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, France, Germany, Greece, Hungary, Italy, Latvia, Malta, Moldova, Montenegro, Netherlands, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Ukraine, United Kingdom Oceania: Australia, Fiji, New Zealand
101.	<i>Radish mosaic comovirus</i> (RaMV) (Syn. <i>Radish enation mosaic virus, Radish mosaic comovirus</i> )	I	<i>Brassica napus var. napus</i> (rape), <i>Brassica oleracea</i> (cabbages, cauliflowers), <i>Brassica rapa var oleifera</i> (turnip rape), <i>Raphanus sativus</i> (lobak, radish) <i>Brassica napus var.</i>	tanaman (whole plants)  Vektor: <i>Phyllotreta</i> spp., <i>Epitrix hirtipennis</i> and	Africa: Morocco America: USA Asia: Georgia, India, Japan, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan,

			<i>napobrassica</i> (swede), <i>Eruca vesicaria</i> (purple-vein rocket)	<i>Diabrotica undecimpunctata</i>	Europe: Austria, Armenia, Azerbaijan, Bosnia and Herzegovina, Belarus, Croatia, Kosovo, Estonia, Germany, Hungary, Italy, Latvia, Lithuania, Moldova, Montenegro, North Macedonia, Russian Federation, Serbia, Slovenia, Ukraine
102.	<i>Raspberry ringspot nepovirus</i> (RpRSV); (Syn. <i>Raspberry ringspot virus</i> , <i>Raspberry Scottish leaf curl virus</i> , <i>Red currant ringspot virus</i> , <i>Red currant ringspot virus</i> )	I	<i>Cynara scolymus</i> , <i>Forsythia</i> spp., <i>Fragaria</i> , <i>Fragaria ananassa</i> (stroberi, strawberry), <i>Fragaria vesca</i> (wild strawberry), <i>Ligustrum vulgare</i> (common privet), <i>Narsisus pseudonarcissus</i> , <i>Phlox</i> , <i>Prunus avium</i> (ceri, sweet cherry), <i>Prunus cerasus</i> (ceri, cherry), <i>Vitis vinifera</i> (anggur, grapevine), <i>Prunus domestica</i> (prem, plum), <i>Prunus americana</i> (aprikot, apricot), <i>Prunus persica</i> (persik, peach), <i>Ribes</i> spp. (currants), <i>Ribes rubrum</i> , <i>Ribes uva-crispa</i> , <i>Rubus</i> spp., <i>Rubus idaeus</i>	biji (true seeds, grains), polen (pollens), tanaman (whole plants)  Vektor: Dorylaimidae, Longidoridae: <i>Longidorus elongatus</i> , <i>L. macrosoma</i> , <i>Xiphinema diversicaudatum</i>	Asia: Iran, Kazakhstan, Turkey Europe: Albania, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Finland, France, Germany, Greece, Ireland, Italy, Latvia, Luxemburg, Montenegro, Netherlands, North Macedonia, Norway, Portugal, Russian Federation, Serbia, Switzerland, Turkey, United Kingdom

			(raspberry), <i>Weigela daphne</i>		
103.	<i>Red clover vein mosaic carlavirus</i> (RCVMV); (Syn. <i>Clover (red) vein mosaic virus</i> , <i>Red clover vein mosaic carlavirus</i> , <i>Marmor trifolii</i> , <i>Pea stunt virus</i> , <i>Vein mosaic virus of red clover</i> )	I	<i>Cicer arietinum</i> (kacang arab, chickpea), <i>Lens culinaris</i> (lentil), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Pisum sativum</i> (kacang kapri, pea), <i>Trifolium pratense</i> (semanggi merah, red clover), <i>Trifolium repens</i> (semanggi putih, white clover)	biji (true seeds, grains), tanaman (whole plants)  Vektor: aphids	America: USA Europe: Germany, Lithuania, Netherlands Oceania: New Zealand
104.	<i>Rice black-streaked dwarf fjiivirus</i> (RBSDV); (Syn. <i>Black streaked dwarf disease</i> , <i>Rice black-streaked dwarf fjiivirus</i> , <i>Rice black streak virus</i> , <i>Rice streak (dwarf) virus</i> )	I	<i>Avena sativa</i> (oat, oats), <i>Beckmannia syzigachne</i> (american sloughgrass), <i>Eleusine coracana</i> (finger millet), <i>Festuca arundinacea</i> (reed fescue), <i>Hordeum vulgare</i> (barli, barley), <i>Lolium multiflorum</i> (Italian ryegrass), <i>Lolium perenne</i> (perennial ryegrass), <i>Oryza sativa</i> (padi, paddy, rice), <i>Panicum miliaceum</i> (millet), <i>Phleum pratense</i> (timothy), <i>Poa annua</i> (annual meadowgrass), <i>Secale cereale</i> (rye), <i>Setaria italica</i> (foxtail millet), <i>Sorghum</i>	biji (true seeds, grains)  Vektor: Delpacidae: <i>Laodelphax striatellus</i>	Asia: China, Korea (North Korea), Japan, DPR, Republic of Korea (South Korea)

			<i>bicolor</i> (sorgum, sorghum), <i>Triticum</i> (wheat), <i>Triticum aestivum</i> (gandum, wheat), <i>Zea mays</i> (jagung, corn, maize)		
105.	<i>Rice dwarf phytoeovirus</i> (RDV); (Syn. <i>Oryza virus 1</i> , <i>Rice dwarf virus</i> , <i>Rice mosaic virus</i> , <i>Rice stunt</i> )	I	<i>Echinochloa frumentacea</i> (Japanese millet), <i>Poaceae</i> (grasses), <i>Oryza sativa</i> (padi, paddy, rice)	tanaman (whole plants)  Vektor: Hemiptera, Cicadellidae: <i>Nephotettix cincticeps</i> , <i>N. nigropictus</i> , <i>Nephotettix</i> spp., <i>Recilia dorsalis</i>	Asia: China, DPR Korea (North Korea), India, Japan, Nepal, Philippines, Republic of Korea (South Korea), Thailand, Vietnam Europe: Bulgaria
106.	<i>Rice hoja blanca tenuivirus</i> (RHBV); (Syn. <i>Echinochloa hoja blanca virus</i> , <i>Rice hoja blanca virus</i> )	I	<i>Avena sativa</i> (oat, oats), <i>Echinochloa colona</i> (jungle rice), <i>Hordeum vulgare</i> (barli, barley), <i>Oryza sativa</i> (padi, paddy, rice), <i>Triticum aestivum</i> (gandum, wheat), <i>Secale cereale</i> (rye)	tanaman (whole plants)  Vektor: Hemiptera, Delphacidae: <i>Tagosodes orizicolus</i>	America: Argentina, Belize, Brazil, Colombia, Costa Rica, Cuba, Dominica Republic, Ecuador, El Salvador, Guatemala, Guyana, Honduras, Mexico, Nicaragua, Panama, Peru, Puerto Rico, Suriname, Trinidad and Tobago, USA, Venezuela

107.	<i>Rice stripe tenuivirus</i> (RSV); (Syn. <i>Rice stripe virus</i> )	I	<i>Avena sativa</i> (oat, oats), <i>Cyperus</i> spp., <i>Hordeum vulgare</i> (barli, barley), <i>Oryza sativa</i> (padi, paddy, rice), <i>Panicum miliaceum</i> (millet), <i>Triticum aestivum</i> (gandum, wheat), <i>Secale cereale</i> (rye), <i>Zea mays</i> (jagung, corn, maize)	tanaman (whole plants)  Vektor: Hempitera, Delphacidae: <i>Laodelphax striatellus</i> , <i>Terthron albobittatum</i> , <i>Unkanodes sapporona</i> , <i>Unkanodes albifascia</i>	Asia: China, DPR Korea (North Korea), Japan, Republic of Korea (South Korea), Taiwan, Vietnam Europe: Russian Federation
108.	<i>Rice yellow mottle sobemovirus</i> (RYMV); (Syn. <i>Rice yellow mottle virus</i> )	I	<i>Cynodon dactylon</i> (rumput bermuda, bermuda grass), <i>Cyperus esculentus</i> (yellow nutsedge), <i>Cyperus rotundus</i> (rumput teki, purple nutsedge), <i>Echinochloa colona</i> (jungle rice), <i>Echinochloa crus-galli</i> (barnyard grass), <i>Eleocharis complanata</i> , <i>Eleusine indica</i> (goose grass), <i>Eragrostis</i> , <i>Fuirena umbellata</i> , <i>Imperia cylindrica</i> (cagon grass), <i>Kylinga pumila</i> , <i>Megathyrsus maximus</i> (Guinea grass), <i>Oryza sativa</i>	biji (true seeds, grains), tanaman (whole plants)  Vektor: Coleoptera, Chrysomelidae: <i>Sesselia pusilla</i> , <i>Chaetocnema</i> spp., <i>Dactylispa</i> spp., <i>Dicladisa viridicyanea</i> , <i>Trichispa sericea</i> , Chrysomelidae	Africa: Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, DR Congo, Ethiopia, Ivory Coast, Gambia, Ghana, Guinea-Bissau, Guinea, Kenya, Liberia, Madagascar, Mali, Mauritania, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, Tanzania, Togo, Uganda, Zimbabwe



			(padi, paddy, rice), <i>Oryza glaberrima</i> (African rice), <i>Panicum miliaceum</i> , <i>Panicum repens</i> (torpedo grass), <i>Paspalum vaginatum</i> (seashore paspalum)	lain	
109.	<i>Rice yellow stunt nucleorhabdovirus</i> (RTYV); (Syn. <i>Rice yellow stunt virus</i> , <i>Rice transitory yellowing virus</i> , <i>Rice transitory yellowing rhabdovirus</i> )	I	<i>Oryza sativa</i> (padi, paddy, rice)	tanaman (whole plants)  Vektor: Hemiptera, Cicadellidae: <i>Nephotettix cincticeps</i> , <i>Nephotettix nigropictus</i> , <i>Nephotettix virescens</i>	Asia: China, Japan, Lao PDR (Laos), Taiwan, Thailand, Vietnam
110.	<i>Satsuma dwarf sadwavirus</i> (SDV); (Syn. CiMV, <i>Citrus mosaic virus</i> , <i>Citrus satsuma dwarf nepovirus</i> , <i>Citrus (navel orange) infectious mottling virus</i> , NDV, <i>Natsudaidai dwarf virus</i> , <i>Navel orange infectious mottling virus</i> , <i>Satsuma dwarf virus</i> , SDV)	I	<i>Citroncirus</i> spp., <i>Citrus</i> spp. (jeruk, orange), <i>Citrus deliciosa</i> (meditera mandarin), <i>Citrus natsudaidai</i> , <i>Citrus sinensis</i> (navel orange), <i>Citrus unshiu</i> (satsuma), <i>Citrus tangelo</i> , <i>Fragaria x ananassa</i> , <i>Fortunella</i> spp. (kumquat), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Poncirus trifoliata</i>	biji (true seeds, grains), tanaman (whole plants), tunas (shoots,buds)	Asia: China, DPR Korea (North Korea), Iran, Japan, Republic of Korea (South Korea), Turkey

			(trifoliolate orange)		
111.	<i>Southern bean mosaic sobemovirus</i> (SBMV); (Syn. <i>Bean southern mosaic virus</i> , <i>Bean mosaic virus 4</i> , <i>Marmor laesiofaciens</i> , <i>Phaseolusvirus laedens</i> , <i>Southern bean mosaic sobemovirus</i> , <i>Southern bean mosaic virus 1</i> .)	I	<i>Glycine max</i> (kedelai, soyabean), <i>Phaseolus lunatus</i> (kacang koro, lima bean), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Vigna radiata</i> , <i>Vigna mungo</i> (black gram), <i>Vigna unguiculata</i> (kacang tunggak, cowpea)	biji (ture seeds, grains)  Vektor: Chrysomelidae	Africa: Benin, Ghana, Ivory Coast, Morocco, Nigeria, Senegal, Togo America: Brazil, Colombia, Costa Rica, Mexico, Nicaragua, USA, Venezuela Asia: China, Georgia, India, Iran, Kazakhstan, Kyrgyzstan, Pakistan, Tajikistan, Turkmenistan, Uzbekistan Europe: Armenia, Azerbaijan, Belarus, Estonia, France, Latvia, Lithuania, Republic of Moldova, Spain, Russian Federation, Ukraine
112.	<i>Sri Lankan cassava mosaic begomovirus</i> (SLCMV) (Syn. <i>Sri Lankan cassava mosaic virus</i> )	I	<i>Jatropha curcas</i> (jarak pagar, jatropha), <i>Manihot esculenta</i> (ubi kayu, cassava)	batang (stems (above ground), trunks, branches)  Vektor: <i>Bemisia tabaci</i>	Asia: Cambodia, China, India, Sri Lanka, Vietnam
113.	<i>Strawberry crinkle cytorhabdovirus</i>	I	<i>Fragaria ananassa</i>	bibit (seedlings,	Africa: South Africa

	(SCrV); (Syn. <i>Strawberry crinkle virus</i> , <i>Strawberry crinkle rhabdovirus</i> , <i>Strawberry latent virus A</i> , <i>Strawberry latent virus B</i> , <i>Strawberry lesion A virus</i> , <i>Strawberry lesion B virus</i> , <i>Strawberry vein chlorosis</i> )		(stroberi, strawberry), <i>Fragaria</i> sp. (stroberi, strawberry), <i>Fragaria chiloensis</i> (Chilean strawberry), <i>Fragaria vesca</i> (wild strawberry)	micropropagate d plants), bunga (flowers, inflorescences, cones, calyx), buah (fruits), tanaman (whole plants)  Vektor: <i>Chaetosiphon fragararfolli</i>	America: Argentina, Brazil, Chile, Canada, Mexico, USA Asia: China, Israel, Japan, Kazakhstan, Republic of Korea (South Korea) Europe: Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, France, Germany, Italy, Montenegro, Moldova, Netherlands, North Macedonia, Poland, Serbia, Slovakia, Slovenia, United Kingdom Oceania: Australia, Fiji, New Zealand
114.	<i>Strawberry latent ringspot nepovirus</i> (SLRSV); (Syn. <i>Aesculus line pattern virus</i> , <i>Rhubarb virus 5</i> , <i>Strawberry latent ringspot virus</i> , <i>Strawberry latent ringspot sadwavirus</i> )	I	<i>Aesculus</i> , <i>Apium graveolens</i> (seledri, celery), <i>Asparagus officinalis</i> (asparagus, aspharagus), <i>Fragaria vesca</i> (wild strawberry), <i>Fragaria x ananassa</i> , <i>Humulus lupulus</i> (common hop), <i>Lilium</i> sp., <i>Narsisus</i> sp., <i>Pastinaca sativa</i> (parsnip),	biji (true seeds, grains), tanaman (whole plants), umbi (bulbs, corm, tubers)  Vektor: Dorylaimida,	Africa: Egypt America: Canada, Mexico, USA Asia: India, Lebanon, Syria, Turkey Europe: Albania, Belarus, Belgium, Bosnia and Herzegovina, Croatia,

			<p><i>Prunus americana</i> (aprikot, apricot), <i>Prunus avium</i> (ceri, sweet cherry), <i>Prunus domestica</i> (prem, plum), <i>Prunus persica</i> (persik, peach), <i>Rheum hybridum</i> (rhubarb), <i>Ribes nigrum</i>, <i>Ribes rubrum</i>, <i>Rubus fruticosus</i>, <i>Rubus ideaus</i>, <i>Sambucus nigra</i>, <i>Trifolium repens</i> (semanggi putih, white clover), <i>Vaccinium darrowii</i>, <i>Vitis vinifera</i> (anggur, grapevine), <i>Vaccinium darrowii</i> (blueberry)</p>	<p>Longidoridae: <i>Xiphinema diversicaudatum</i>, <i>X. coxi</i>, <i>Paralongidorus maximus</i></p>	<p>Czech Republic, Finland, France, Germany, Hungary, Ireland, Italy, Luxemburg, Montenegro, Netherlands, North Macedonia, Northern Ireland, Poland, Portugal, Serbia, Slovenia, Spain, Switzerland, United Kingdom Oceania: New Zealand</p>
115.	<p><i>Strawberry mild yellow edge potexvirus</i> (SMYEV); (Syn. <i>Strawberry mild yellow edge disease</i>; <i>Strawberry yellow edge</i>; <i>Strawberry mild yellow edge virus</i>; <i>Strawberry mild yellow edge associated virus</i>; <i>Strawberry xanthosis</i>; <i>strawberry virus 2</i>, <i>Strawberry veinbanding caulimovirus</i>, <i>Strawberry virus 5</i>)</p>	I	<p><i>Fragaria</i> sp., <i>Fragaria ananassa</i> (stroberi, strawberry), <i>Fragaria chiloensis</i> (Chilean strawberry), <i>Fragaria ovalis</i>, <i>Fragaria vesca</i> (wild strawberry), <i>Fragaria virginiana</i> (scarlet strawberry)</p>	<p>bunga (flowers, inflourescences, cones, calyxes), buah (fruits), bibit (seedlings/ micropropagated plants), tanaman (whole plants)</p>	<p>Africa: Egypt, South Africa America: Argentina, Brazil, Canada, Chile, Mexico, Paraguay, USA Asia: China, India, Israel, Japan, Kazakhstan Europe: Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, France, Germany, Hungary,</p>

					Ireland, Italy, Luxemburg, Montenegro, Netherlands, North Macedonia, Poland, Serbia, Slovakia, Switzerland, United Kingdom Oceania: Australia, New Zealand
116.	<i>Strawberry vein banding caulimovirus</i> (SVBV); (Syn. <i>Strawberry vein banding virus</i> ; <i>Strawberry virus 5</i> )	I	<i>Fragaria</i> spp. <i>Fragaria ananassa</i> (stroberi, strawberry), <i>Fragaria vesca</i> (wild strawberry), <i>Fragaria</i> ,	batang (stems (above ground), trunks, branches), daun (leaves), bibit (seedlings, micro propagated plants), tunas (shoots, buds)	America: Brazil, Canada, Chile, USA Asia: China, Japan Europe: Croatia, Czech Republic, Hungary, Italy, Montenegro, North Macedonia, Russian Federation, Serbia, Slovakia, United Kingdom Oceania: Australia
117.	<i>Sugarcane bacilliform Guadeloupe A virus</i> (SCBGAV)		<i>Saccharum officinarum</i> (tebu, sugarcane), <i>Saccharum hybrid cultivar</i>	stek batang (stem cuttings)  Vektor: Mealybug	America: Cuba, Guadeloupe Asia: China
118.	<i>Sugarcane bacilliform Guadeloupe D</i>		<i>Saccharum officinarum</i>	stek batang	America: Cuba,

	<i>virus</i> (SCBGDV)		(tebu, sugarcane), <i>Saccharum hybrid cultivar</i>	(stem cuttings)  Vektor: Mealybug	Guadeloupe Asia: China
119.	<i>Sugarcane bacilliform IM virus</i> (SCBIMV)		<i>Erianthus</i> spp., <i>Saccharum</i> spp., <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Saccharum robustum</i> , <i>Saccharum hybrid cultivar</i> , <i>Saccharum berberi</i> , <i>Saccharum sinense</i>	stek batang (stem cuttings)  Vektor: Mealybug	America: Guadeloupe Asia: India Oceania: Australia
120.	<i>Sugarcane bacilliform MO virus</i> (SCBMOV) (Syn. <i>Sugarcane bacilliform Morbadnavirus</i> )		<i>Erianthus</i> spp., <i>Musa acuminata</i> , <i>Oryza sativa</i> (padi, paddy, rice), <i>Saccharum</i> spp.	stek batang (stem cuttings)  Vektor: Mealybug	Africa: Morocco America: Cuba, Guadeloupe, Asia: China, India
121.	<i>Sugarcane mild mosaic virus</i> (SCMMV)	I	<i>Oryza sativa</i> (padi, rice, paddy), <i>Saccharum barberry</i> , <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Saccharum sinense</i> , <i>Sorghum bicolor</i> (sorghum, sorghum), <i>Sorghum halepense</i> (Johnson grass)	bagal (setts), batang (stems (above ground), trunks, branches)  Vektor: Hemiptera, Pseudococcidae : <i>Saccharicoccus sacchari</i>	Africa: Chad, Madagascar, Malawi, Mauritius, South Africa, Tanzania, Zambia, Zimbabwe America: USA
122.	<i>Sugarcane yellow leaf polerovirus</i> (ScYLV);	I	<i>Hordeum vulgare</i> (barli, barley), <i>Saccharum</i>	batang (stems (above ground),	Africa: Kenya, Malawi, Mauritius, Morocco,

	(Syn. <i>Sugarcane yellow leaf virus</i> )		<i>officinarum</i> (tebu, sugarcane), <i>Saccharum robustum</i> , <i>Saccharum sinensis</i> , <i>Saccharum spontaneum</i> , <i>Sorghum bicolor</i> (sorgum, sorghum)	trunks, branches), bagal (sett), suluran (stolon), tanaman (whole plants)  Vektor: Hemiptera, Aphididae: <i>Melanaphis sacchari</i> , <i>Rhopalosiphum maidis</i>	Reunion, Senegal, South Africa, Uganda, Zambia, Zimbabwe America: Argentina, Barbados, Brazil, Colombia, Cuba, Dominica, El Salvador, Guatemala, Hawaii, Jamaica, Mexico, Peru, USA Asia: Iran, India, Thailand Oceania: Australia, Papua New Guinea
123.	<i>Tobacco necrosis necrovirus</i> (TNV); (Syn. <i>Bean stipple streak virus</i> , <i>Chenopodium necrosis necrovirus</i> , <i>Cucumber necrosis virus</i> , <i>Euonymus mosaic virus</i> , <i>Strawberry necrotic rosette virus</i> , <i>Tobacco necrosis necrovirus</i> , <i>tulip Augusta disease virus</i> , <i>Tulip necrosis virus</i> )	I	<i>Cucumis sativus</i> (mentimun, cucumber), <i>Daucus carota</i> (wortel, carrot), <i>Beta vulgaris</i> (bit, beet root), <i>Cucurbita pepo</i> (labu kuning, zukini, zucchini), <i>Cyamopsis tetragonoloba</i> (guar), <i>Euonymus europaeus</i> , <i>Fraxinus excelsior</i> (ash), <i>Fragaria ananassa</i> (stroberi, strawberry), <i>Lactuca sativa</i> (selada, lettuce), <i>Lycopersicon esculentum</i> (tomat, tomato),	akar (roots), batang (stems (above ground), trunks, branches), daun (leaves), tanaman (whole plants), umbi (bulbs, corms, tubers)  Vektor: <i>Olphidium brassicae</i>	Africa: South Africa Amerika: Brazil, Canada, USA. Asia: China, India, Japan, Turkey Europe: Belgium, Bosnia and Herzegovina, Bulgaria, Czech Republic, Denmark, France, Finland, Germany, Hungary, Italy, Latvia, Netherlands, Norway, Romania, Russian Federation, Slovakia,

			<p><i>Malus domestica</i> (apel, apple), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Pelargonium</i> (pelargoniums), <i>Pisum sativum</i> (kacang kapri, pea), <i>Populus tremuloides</i> (trembling aspen), <i>Prunus domestica</i> (prem, plum), <i>Pyrus communis</i> (pir, pear), <i>Vitis vinifera</i> (grapevine), <i>Echium plantagineum</i> (Paterson's curse), <i>Solanum nigrum</i> (leunca, black nightshade), <i>Solanum tuberosum</i> (kentang, potato), <i>Tulipa</i> (tulip)</p>		<p>Spain, Sweden, Switzerland, United Kingdom Oceania: Australia, New Zealand</p>
124.	<p><i>Tobacco rattle tobnavirus</i> (TRV); (Syn. <i>Aster ringspot virus</i>, <i>Belladonna mosaic virus</i>, <i>Potato stem mottle virus</i>, <i>Peony mosaic virus</i>, <i>Peony ringspot virus</i>, <i>Paeony mosaic virus</i>, <i>Paeony ringspot virus</i>, <i>Potato corky ringspot virus</i>, <i>Ratel virus</i>, <i>Tabakmauche virus</i>, <i>Tabakstreifen-und Kra</i>, <i>Spinach yellow mottle virus</i>, <i>Tobacco rattle tobnavirus</i>, <i>Tobacco rattle virus</i>, <i>Tulip white streak virus</i>, <i>Oregon yellow virus</i>)</p>	I	<p><i>Allium cepa</i> (bawang bombay, onion), <i>Allium sativum</i> (bawang putih, garlic), <i>Alstroemeria</i> (inca lily), <i>Amaranthus</i> (grain amaranth), <i>Anemone</i> (windflower), <i>arcissus</i> (daffodil), <i>Artemisia</i> (wormwoods), <i>Artemisia vulgaris</i> (mugwort), <i>Beta vulgaris</i> var. <i>saccharifera</i></p>	<p>bagian vegetatif tanaman (vegetative plant propagation), batang (stems (above ground), trunks, branches), biji (true seeds, grains), daun (leaves), tunas</p>	<p>Africa: Egypt, South Africa, Tunisia America: Bolivia, Brazil, Cuba, Canada, USA, Venezuela Asia: Bangladesh, China, India, Israel, Japan, Republic of Korea (South Korea), Uzbekistan Europe: Austria,</p>



		<p>(bit gula, sugar beet), <i>Brassica</i> sp., <i>Capsella bursa-pastoris</i> (shepherd's purse), <i>Capsicum annuum</i> (cabai, paprika, bell pepper), <i>Cyclamen</i>, <i>Cynara cardunculus</i> L. var. <i>scolymus</i> (globe artichoke), <i>Daucus carota</i> (wortel, carrot), <i>Fraxinus</i> (ash), Freesia, <i>Galium mollugo</i> (Hedge bedstraw), <i>Gladiolus hybrids</i> (sword lily), <i>Hosta</i> spp., Iris (iris), <i>Lactuca sativa</i> (selada, lettuce), <i>Lilium candidum</i> (madonna lily), <i>Lilium longiflorum</i> (easter lily), Malva (mallow), <i>Nicotiana tabacum</i> (tembakau, tobacco), Peperomia, <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Phlox paniculata</i> (summer perennial phlox), Phlox, Physalis (groundcherry), <i>Plantago</i> sp. (Plantain), <i>Portulaca oleracea</i> (purslane), Rumex (Dock), <i>Secale cereale</i> (rye), <i>Solanum nigrum</i> (leunca,</p>	<p>(tubers, corms, bulbs)  Vektor:  Trichodoridae</p>	<p>Belarus, Belgium, Bulgaria, Bosnia and Herzegovina, Czech Republic, Croatia, Denmark, Finland, France, Serbia, Slovenia, Slovakia, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Montenegro, North Macedonia, Moldova, Netherlands, Norway, Poland, Russian Federation, Sweden, Switzerland, United Kingdom  Oceania: Australia, New Zealand</p>
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			black nightshade), <i>Solanum tuberosum</i> (kentang, potato), <i>Sonchus</i> (Sowthistle), <i>Stellaria media</i> (common chickweed), <i>Tulipa</i> (tulip), <i>Tussilago farfara</i> (Colt's-foot), <i>Viola arvensis</i> (feld pansy)		
125.	<i>Tobacco streak ilarvirus</i> (TSV); (Syn. <i>Asparagus stunt virus</i> , <i>Asparagus stunt virus</i> , <i>Black raspberry latent ilarvirus</i> , <i>Black raspberry latent virus</i> , <i>Bean red node strain</i> , <i>Black raspberry latent strain</i> , <i>Datura quercina virus</i> , <i>New logan virus</i> , <i>Nicotiana virus 8</i> , <i>Nicotiana virus vulnerans</i> , <i>Strawberry necrotic shock virus</i> , <i>Tractus orae</i> , <i>Tobacco streak virus</i> )	I	<i>Asparagus officinalis</i> (asparagus, asparagus), <i>Capsicum annuum</i> (cabai, paprika, bell pepper), <i>Carica papaya</i> (pepaya, papaya), <i>Cicer arietinum</i> (kacang arab, chickpea), <i>Cichorium endivia</i> (endive), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Cynara scolymus</i> (artichoke), <i>Cyphomandra betacea</i> (terung Belanda, tree tomato), <i>Dahlia</i> , <i>Eustoma grandiflorum</i> (Lisianthus), <i>Fragaria</i> , <i>Gladiolus</i> hybrids, <i>Glycine max</i> (kedelai, soyabean), <i>Gossypium herbaceum</i> (Levant cotton), <i>Helianthus annuus</i> (bunga matahari, sunflower), <i>Lactuca sativa</i>	akar (roots), batang (stems (above ground), trunks, branches), bibit (seedlings, micropropagated plants), biji (true seeds, grains), buah (fruits), bunga (flowers, inflorescences, cones, calyx), daun (leaves), kayu (woods), polen (pollens), tunas (shoots, trunks)  Vektor: <i>trips</i>	Africa: South Africa, Sudan America: Argentina, Brazil, Canada, Chile, Mexico, Peru, USA, Venezuela Asia: China, India, Iran, Israel, Japan, Pakistan, Singapore Europe: Bosnia and Herzegovina, Croatia, Czech Republic, Denmark, France, Italy, Montenegro, North Macedonia, Netherlands, Norway, Russian Federation, Serbia, Slovenia, United Kingdom Oceania: Australia, New Zealand

			(selada, lettuce), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Melilotus alba</i> (raspberry), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Pisum sativum</i> (kacang kapri, pea), <i>Rubus</i> sp., <i>Rubus ursinus</i> , <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum tuberosum</i> (kentang, potato), <i>Trifolium pretense</i> , <i>Trigonella foenumgraecum</i> , <i>Vigna angularis</i> (kacang merah, kidney bean), <i>Vigna unguiculata</i> (kacang tunggak, cowpea)		
126.	<i>Tomato aspermy cucumovirus</i> (TAV); (Syn. <i>Chrysanthemum aspermy virus</i> , <i>Chrysanthemum mild mottle virus</i> , <i>Chrysanthemum mosaic virus</i> , <i>Cucumis virus 1</i> , <i>Lycopersicon virus 7</i> , <i>Tomato aspermy virus</i> )	I	Aster, <i>Canna</i> sp., <i>Chrysanthemum</i> spp. (krisan, chrysanthemum), <i>Capsicum annuum</i> (cabai, paprika, bell pepper), <i>Capsicum</i> spp., <i>Lilium</i> sp., <i>Mentha spicata</i> , <i>Petunia hybrida</i> , <i>Solanum lycopersicum</i> (tomat, tomato), <i>Zinnia elegans</i> (zinnia)	batang (stems (above grounds), trunks, branches), biji (true seeds, grains), bunga (flowers, inflorescences, cones, calyx), umbi (bulbs, corms, tubers)  Vektor: Hemiptera,	America: Canada, USA Asia: China, Georgia, India, Japan, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan Europe: Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Croatia, Estonia, Latvia, Lithuania, Moldova, Montenegro, North

				Aphididae: <i>Myzus persicae</i>	Macedonia, Poland, Romania, Russian Federation, Serbia, Slovenia, Ukraine Oceania: Australia, New Zealand
127.	<i>Tomato black ring nepovirus</i> (TBRV); (Syn. <i>Bean ringspot virus</i> ; <i>Beet ringspot virus</i> ; <i>Lettuce ringspot virus</i> ; <i>Potato bouquet virus</i> ; <i>Potato pseudo-aucuba virus</i> , <i>Tomato black ring virus</i> )	I	<i>Allium cepa</i> (bawang bombai, onion), <i>Allium porrum</i> (leek), <i>Apium graveolens</i> (seledri, celery), <i>Beta vulgaris</i> var. <i>saccharifera</i> (bit gula, sugar beet), <i>Brassica napus</i> var. <i>napobrassica</i> (swede), <i>Brassica rapa</i> subsp. <i>rapa</i> (turnip), <i>Capsella bursa-pastoris</i> (shepherd's purse), <i>Capsicum</i> , <i>Cucumis sativus</i> (mentimun, cucumber), <i>Cucurbita pepo</i> (labu kuning, zukini, zucchini), <i>Cynara cardunculus</i> L. var. <i>scolymus</i> (globe artichoke), <i>Fragaria</i> , <i>Fragaria ananassa</i> (stroberi, strawberry), <i>Forsythia intermedia</i> (Golden bells), <i>Gladiolus hybrids</i> (sword lily), <i>Herbaceous plant</i> , <i>Lactuca sativa</i> (selada,	akar (roots), batang (stems (above ground), trunks, branches), biji (true seeds, grains), buah (fruits), bunga (flowers, inflorescences, cones, calyx), daun (leaves), sulur (stolon), tunas (shoots, buds), umbi (bulbs, corms, tubers)  Vektor: Longidorus	America: Chile Asia: India, Japan, Turkey Europe: Albania, Belarus, Belgium, Bulgaria, Croatia, Czech Republic, Finland, France, Germany, Greece, Hungary, Ireland, Moldova, Montenegro, Netherlands, Norway, Poland, Romania, Russia, Serbia, Sweden, Switzerland, United Kingdom

			lettuce), <i>Lamium amplexicaule</i> (henbit deadnettle), <i>Lycopersicon esculentum</i> (tomat, tomato), <i>Narcissus</i> (daffodil), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Prunus persica</i> (persik, peach), <i>Ribes</i> sp., <i>Rubus</i> sp., <i>Sambucus nigra</i> (elder), <i>Solanum melongena</i> (terung, aubergine, eggplant), <i>Solanum tuberosum</i> (kentang, potato), <i>Syringa vulgaris</i> (lilac), <i>Vitis vinifera</i> (anggur, grapevine), <i>Sambucus nigra</i> (elder)		
128.	<i>Tomato ringspot nepovirus</i> (ToRSV); (Syn. <i>Apple union necrotic nepovirus</i> , <i>Blackberry (Himalaya) mosaic virus</i> , <i>Eumonymus chlorotic ringspot virus</i> , <i>Eumonymus ringspot virus</i> , <i>Gravelins yellow vein virus</i> , <i>Nicotiana 13 virus</i> , <i>Peach stem pitting virus</i> , <i>Prune brown line virus</i> , <i>Prunus stem pitting virus</i> , <i>Red currant mosaic virus</i> , <i>Tobacco ringspot virus 2</i> , <i>Tomato ringspot virus</i> , <i>Winter peach mosaic virus</i> )	I	<i>Cydonia oblonga</i> (quinece), <i>Fragaria chiloensis</i> (Chilean strawberry), <i>Malus domestica</i> (apel, apple), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Pelargonium</i> sp., <i>Prunus</i> , <i>Prunus armeniaca</i> (aprikot, apricot), <i>Prunus avium</i> (ceri, sweet cherry), <i>Prunus cerasus</i> (kersen, sour cherry), <i>Prunus domestica</i> (prem, plum), <i>Prunus</i>	akar (roots), batang (stems (above ground), trunks, branches), buah (fruits), bunga (flowers, inflorescences), biji (true seeds, grains), daun (leaves), tanaman (whole plants), sulur	Africa: Egypt, Togo America: Brazil, Canada, Chile, Colombia, Mexico, Puerto Rico, Peru, USA, Venezuela Asia: China, India, Iran, Japan, Jordan, Oman, Pakistan, Republic of Korea (South Korea), Turkey Europe: Belarus, Belgium, Croatia,

			<i>persica</i> (persik, peach), <i>Prunus salicina</i> (Japanese plum), <i>Ribes</i> sp., <i>Rubus</i> sp., <i>Rubus idaeus</i> (rasberi, raspberry), <i>Vitis</i> spp. (anggur, grapevine), <i>Vitis vinifera</i> (anggur, grapevine)	(stolon)  Vektor: <i>Xiphinema americanum</i> , <i>Xiphinema rivesi</i>	Czech, Denmark, France, Germany, Italy, Lithuania, Montenegro, Norway, Russia, Serbia, Slovakia, Oceania: Fiji, New Zealand
129.	<i>Tomato torrado torradovirus</i> (ToTV) (Syn. <i>Tomato torrado virus</i> )	I	<i>Amaranthus</i> , <i>Atriplex</i> , <i>Capsicum annuum</i> (cabai, paprika, bell pepper), <i>Chenopodium</i> , <i>Malva</i> , <i>Nicotiana benthamiana</i> , <i>Nicotiana glauca</i> , <i>Nicotiana glutinosa</i> , <i>Nicotiana rustica</i> , <i>Physalis floridana</i> , <i>Polygonum</i> , <i>Solanum lycopersicum</i> , <i>Solanum melongena</i> (terung, aubergine, eggplant), <i>Solanum nigrum</i> (leunca, black night shade), <i>Spergularia</i>	biji (true seeds, grains), tanaman (whole plants)  Vektor: <i>Bemisia tabaci</i>	Africa: Morocco, Canary Island, South Africa America: Colombia, Panama Europe: Hungary, Italy, Poland, Spain Oceania: Australia
130.	<i>Watermelon silver mottle tospovirus</i> (WSMoV) (Syn. <i>Watermelon silver mottle orthospovirus</i> , <i>Watermelon silver mottle virus</i> , <i>Watermelon silvery mottle virus</i> , <i>Watermelon tospovirus</i> , <i>Watermelon spotted wilt virus</i> )	I	<i>Cucumis melo</i> (melon, melon), <i>Citrullus lanatus</i> (semangka, watermelon)	akar (roots), batang (stems, trunks, branches), bibit (seedlings, micropropagated plants), buah	Asia: China, India, Japan, Taiwan

				(fruits), daun (leaves)  Vektor: <i>Trips palmi</i>	
131.	<i>Wheat streak mottle potyvirus</i> (Syn. <i>Wheat streak mosaic potyvirus</i> , <i>Wheat streak mosaic rymovirus</i> )	I	<i>Avena sativa</i> (oats, oats), <i>Bromus tectorum</i> (downy brome), <i>Echinochloa crus galli</i> (barnyard grass), <i>Eleusine coracana</i> (finger millet), <i>Hordeum vulgare</i> (barley), <i>Panicum capillare</i> (tumble panicgrass), <i>Poa pratensis</i> (smooth meadow-grass), <i>Secale cereal</i> (rye), <i>Setaria viridis</i> (green foxtail), <i>Triticum</i> sp., <i>Triticum aestivum</i> (gandum, wheat), <i>Zea mays</i> (jagung, corn, maize)	biji (true seeds, grains), tanaman (whole plants)	Asia: China, Iran, Jordan, Kazakhstan, Syria, Turkey, Uzbekistan Africa: Zambia America: Argentina, Brazil, Canada, Mexico, USA Europe: Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Germany, Hungary, Italy, Moldova, Montenegro, North Macedonia, Poland, Romania, Serbia, Slovenia, Slovakia, Ukraine

B. JENIS OPTK KATEGORI A2

1. SERANGGA (*INSECTS*)

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
1.	<p><i>Acanthoscelides obtectus</i> Say.; (Syn. <i>Acanthoscelides irresectus</i> Fåhraeus, <i>Acanthoscelides tetricus</i> Gyllenhal, <i>Bruchidius obsoletus</i>, <i>Bruchidius obtectus</i> Say, <i>Bruchus</i> <i>fabae</i> Riley, <i>Bruchus irresectus</i>, <i>Bruchus obsoletus</i> (Say), <i>Bruchus</i> <i>obtectus</i> Say, <i>Bruchus tetricus</i> Gyllenhal, <i>Laria obtectus</i> Say, <i>Larra</i> <i>irresectus</i>, <i>Mylabris obtectus</i> Say); (Coleoptera: Bruchidae); bean bruchid, American seed beetle, bean beetle, bean weevil, common bean weevil, dried bean beetle, dried bean weevil</p>	II	<p><i>Cajanus cajan</i> (kacang gude, pigeon pea), <i>Cicer arietinum</i> (kacang arab, chickpea), <i>Glycine max</i> (kedelai, soyabean), <i>Lathyrus sativus</i> (grasspea), <i>Phaseolus</i> <i>acutifolius</i> (tepany bean), <i>Phaseolus coccineus</i> (runner bean), <i>Phaseolus</i> (beans), <i>Phaseolus lunatus</i> (lima bean), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Pisum sativum</i> (pea), <i>Vicia faba</i> (faba bean), <i>Vigna unguiculata</i> (kacang panjang, cowpea), <i>Zea mays</i> (jagung, corn, maize)</p>	biji (true seeds (inc. grain))	<p>Indonesia: Jawa, Sulawesi Africa: Angola, Burundi, DR Congo, Egypt, Kenya, Lesotho, Malawi, Mauritius, Morocco, Nigeria, Reunion, Rwanda, Saint Helena, Senegal, Seychelles, South Africa, Spain, Swaziland, Tanzania, Uganda, Zambia, Zimbabwe America: Argentina, Belize, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Guadeloupe, Guatemala,</p>



					<p>Guyana, Honduras, Mexico, Nicaragua, Panama, Paraguay, Peru, USA, Venezuela</p> <p>Asia: India, Iraq, Israel, Japan, Kazakhstan, Malaysia, Myanmar, Georgia, Kazakhstan, Malaysia, Myanmar, Tajikistan, Thailand, Turkey, Vietnam</p> <p>Europe: Albania, Armenia, Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Finland, France, Germany, Greece, Hungary, Italy, Kosovo, Moldova, Montenegro, North Macedonia, Netherlands, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Switzerland</p> <p>Oceania: Australia, New Zealand, Papua New Guinea</p>
2.	<i>Altha alastor</i> Tams.; (Lepidoptera: Limacodidae);	II	<i>Cocos nucifera</i> (kelapa, coconut) dan Palmae lainnya,	batang (stems, trunks,	Indonesia: Sulawesi

	ulat siput/slug caterpillar, the moth of borneo		Bombax (Malvaceae)	shoots, branches), daun (leaves), bunga (flowers, inflorescences, cones, calyx), buah (fruits)	
3.	<i>Amblypelta theobromae</i> Brown; (Hemiptera: Coreidae); coconut bug	II	<i>Cocos nucifera</i> (kelapa, coconut), <i>Theobroma cacao</i> (kakao, cocoa)	batang (stems, trunks, shoots, branches, daun (leaves), buah (fruits)	Indonesia: Papua Oceania: Papua New Guinea
4.	<i>Atherigona soccata</i> Rondani, 1871; (Syn. <i>Atherigona indica</i> Malloch, 1923, <i>Atherigona indica</i> ssp. <i>infuscata</i> Emden, 1941, <i>Atherigona varia</i> var. <i>soccata</i> (Rondani) Hennig, 1961); (Diptera: Muscidae); sorghum shoot (stem) fly, great fly, millet stem fly, millet stem maggot	II	<i>Brachiaria reptans</i> (sprawling panicum), <i>Brachiaria brizantha</i> , <i>Cymbopogon citratus</i> (serai wangi, citronella grass), <i>Cymbopogon ceasius</i> , <i>Cynodon dactylon</i> (rumput bermuda, bermuda grass), <i>Desmostachya bipinnata</i> (halfa grass), <i>Digitaria sanguinalis</i> (large crabgrass), <i>Echinochloa colona</i> (junglerice), <i>Echinochloa crus-galli</i> (barnyard grass), <i>Eleusine coracana</i> (jaba, finger's millet), <i>Eleusine indica</i> (goose grass), <i>Eragrostis japonica</i> (delicate lovegrass), <i>Eriochloa procera</i>	batang (stems)	Indonesia: Maluku Africa: Burkina Faso, DR Congo, Egypt, Ghana, Kenya, Madagascar, Malawi, Mauritius, Morocco, Nigeria, Réunion, South Africa, Sudan, Tanzania, Uganda, Zimbabwe Asia: Bangladesh, China, India, Iraq, Israel, Myanmar, Nepal, Pakistan, Philippines, Saudi Arabia, Sri Lanka, Thailand, Turkey, Vietnam Europe: Italy

			(tropical cupgrass), <i>Megathyrus maximus</i> (Guinea grass), <i>Oryza sativa</i> (padi, paddy, rice), <i>Panicum antidotale</i> (elbow grass), <i>Panicum miliaceum</i> (millet), <i>Panicum repens</i> (torpedo grass), <i>Paspalum scrobiculatum</i> (ricegrass paspalum), <i>Pennisetum glaucum</i> (bajra, pearl millet), <i>Pennisetum</i> (feather grass), <i>Rottboellia cochinchinensis</i> (itch grass), <i>Setaria intermedia</i> , <i>Setaria pumila</i> (yellow foxtail), <i>Setaria verticillata</i> (bristly foxtai), <i>Sorghum arundinaceum</i> , <i>Sorghum bicolor</i> (sorghum, sorghum), <i>Sorghum halepense</i> (Johnson grass), <i>Sorghum propinquum</i> , <i>Sorghum purpureosericeum</i> , <i>Triticum aestivum</i> (gandum, wheat), <i>Urochloa brizantha</i> (palisade grass), <i>Urochloa distachya</i> , <i>Zea mays</i> (jagung, corn, maize)		
5.	<i>Bactrocera bryoniae</i> (Tryon); (Syn. <i>Chaetodacus bryoniae</i> ); (Diptera: Tephritidae); fruit fly	II	<i>Bryonopsis affinis</i> , <i>Capsicum frutescens</i> (cabai rawit, chilies), <i>Musa</i> spp. (pisang, banana), <i>Mangifera indica</i> (mangga,	buah (fruits (inc. pods)), media tanam (growing	Indonesia: Bali, Kalimantan, Maluku Utara, Papua Oceania: Australia,

			mango), <i>Passiflora quadrangularis</i> (markisa, granadilla, passion-fruit)	media associated with plants), tanah (soil)	French Polynesia, New Caledonia
6.	<i>Bactrocera musae</i> (Tryon, 1972).; (Syn. <i>Bactrocera</i> ( <i>Bactrocera</i> ) <i>musae</i> Tryon, 1927, <i>Chaetodacus dorsopicta</i> Tryon, 1927, <i>Chaetodacus dorso-picta</i> Tryon, 1927, <i>Chaetodacus musae</i> Tryon, 1927, <i>Chaetodacus tryoni</i> var. <i>musae</i> Tryon, 1927, <i>Dacus musae</i> Hardy, 1951, <i>Dacus nigrofasciatus</i> Tryon, 1927, <i>Dacus ornatissimus</i> Froggatt, 1909, <i>Strumeta musae</i> May, 1953); (Diptera: Tephritidae); banana fruit fly	II	<i>Carica papaya</i> (pepaya, papaya), <i>Musa</i> spp. (pisang, banana), <i>Musa acuminata</i> (wild banana), <i>Musa banksii</i> (wild banana), <i>Musa x paradisiaca</i> (plaintain), <i>Psidium guajava</i> (jambu biji, guava), <i>Ximenia americana</i> (hog plum)	buah (fruit (inc. pods), media tanam (growing media accompanying plants), tanah (soil)	Indonesia: Jawa (Jawa Barat), Kalimantan, Maluku, Nusa Tenggara Barat (Lombok), Sulawesi, Papua Asia: Philippines Oceania: Australia, Papua New Guinea
7.	<i>Bactrocera occipitalis</i> (Bezzi); (Syn. <i>Chaetodacus ferrugineus</i> var. <i>occipitalis</i> Bezzi, <i>Chaetodacus occipitalis</i> Bezzi, 1919, <i>Dacus dorsalis</i> var. <i>occipitalis</i> (Bezzi), <i>Dacus occipitalis</i> (Bezzi), <i>Strumeta pedestris</i> var. <i>occipitalis</i> (Bezzi)); (Diptera: Tephritidae)	II	<i>Achras</i> (= <i>Manilkara</i> ) <i>zapota</i> (sawo, sapodilla), <i>Averrhoa carambola</i> (belimbing, carambola, star fruit), <i>Citrus reticulata</i> (jeruk mandarin, mandarin, tangerine, mandarin orange), <i>Mangifera indica</i> (mangga, mango), <i>Psidium guajava</i> (jambu biji, guava), <i>Spondias purpurea</i> (hog plum, red mombin)	buah (fruit (inc. pods), media tanam (growing media associated with plants), tanah (soil)	Indonesia: Kalimantan Asia: Brunei Darussalam, Malaysia, Philippines
8.	<i>Chaetanaphothrips orchidii</i> (Moulton); (Syn. <i>Anaphothrips orchidii</i> , <i>Euthrips</i>	II	<i>Acer palmatum</i> , <i>Adiantum</i> (japanese maple), <i>Adiantum</i>	batang (stems, shoots,	Indonesia: Jawa Africa: Mauritius, Sao

	<i>orchidii</i> , <i>Physothrips orchidii</i> , <i>Taeniothrips orchidii</i> ; (Thysanoptera: Thripidae); anthurium thrips, orchid thrips		(maidenhair ferns), <i>Allium</i> (onions, garlic, leek, etc), <i>Amaranthus</i> (grain amaranth), <i>Anthurium andreanum</i> , <i>Alternanthera</i> (joyweed), <i>Bougainvillea</i> , <i>Begonia</i> , <i>Chrysanthemum</i> (daisy), <i>Citrus</i> <i>reticulata x paradisi</i> (tangelo), <i>Citrus sinensis</i> (navel orange), <i>Citrus x paradisi</i> (jeruk bali, pommel, grapefruit), <i>Citrus</i> spp. (jeruk, orange), <i>Coix</i> <i>lacryma-jobi</i> (jail, Job's tears), <i>Cryptotaenia canadensis</i> , <i>Euphorbia</i> (spurges), <i>Epiphyllum</i> , <i>Ipomoea batatas</i> (ubi jalar, sweetpotato), <i>Iresine</i> (blood-leaf), <i>Litchi sinensis</i> (leci, lychee), <i>Lycopersicon</i> , <i>Musa</i> spp. (pisang, banana), <i>Passiflora</i> (passion flower), <i>Paspalum conjugatum</i> (sour paspalum), <i>Piper</i> (pepper), <i>Pisonia</i> , <i>Petroselinum crispum</i> (peterseli, parsley), Orchid, ornamental plants, <i>Zea mays</i> (jagung, corn, maize)	branches, daun (leaves), bunga (flowers, inflorescences, cones, calyx), tanah (soil)	Tome and Principe America: Argentina, Brazil, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, Grenada, Guadeloupe, Honduras, Jamaica, Mexico, Puerto Rico, Saint Lucia, Suriname, Trinidad and Tobago, USA, Hawaii Asia: China, India, Malaysia, Nepal, Sri Lanka, Japan, Taiwan Europe: Italy, Poland Oceania: Australia, Tonga
9.	<i>Chrysomphalus aonidum</i> (Linnaeus, 1758); (Syn. <i>Aonidiella ficorum</i> Ashmead,	II	<i>Asparagus officinalis</i> (asparaga, asparagus), <i>Carica</i> <i>papaya</i> (pepaya, papaya),	batang (stems, shoots, branches),	Indonesia: Jawa, Sulawesi, Sumatera. Africa: Algeria, Burundi,

<p><i>Aspidiotus</i> (Chrysomphalus) <i>aonidum</i> (Linnaeus) Hempel, 1900, <i>Aspidiotus</i> (Chrysomphalus) <i>ficus</i> (Ashmead) Berlese, 1896, <i>Aspidiotus aonidum</i> (Linnaeus) Cockerell, 1905, <i>Aspidiotus ficorum</i> Ashmead, <i>Aspidiotus ficus</i> (Ashmead) Comstock, 1881, <i>Chrysomphalus ficus</i> Ashmead, 1880, <i>Coccus aonidum</i> Linnaeus, 1758); (Hemiptera: Diaspididae); red scale, Sircular black scale</p>		<p><i>Camelia sinensis</i> (teh, tea), <i>Cinnamomum verum</i> (cinnamon), <i>Citrus</i> spp. (jeruk, orange), <i>Citrus aurantiifolia</i> (lime), <i>Citrus limon</i> (lemon), <i>Citrus maxima</i> (pummelo), <i>Citrus sinensis</i> (navel orange), <i>Citrus x paradisi</i> (grapefruit), <i>Cocos nucifera</i> (kelapa, coconut), <i>Dracaena</i>, <i>Dracaena reflexa</i>, <i>Gossypium hirsutum</i> (kapas, cotton), Lauraceae, Palmaceae, <i>Malus domestica</i> (apel, apple), <i>Mangifera indica</i> (mangga, mango), <i>Musa</i> spp. (pisang, banana), <i>Musa x paradisiaca</i> (plantain), <i>Phoenix dactylifera</i> (kurma, date-palm), <i>Pinus merkusii</i> (pinus, pinetree), <i>Pinus</i> (pines)</p>	<p>daun (leaves), buah (fruits (inc. pods))</p>	<p>Comoros, Egypt, Ethiopia, Guinea, Kenya, Madagascar, Malawi, Mauritius, Morocco, Mozambique, Nigeria, Réunion, Senegal, Seychelles, South Africa, Spain, Sudan, Tanzania, Tunisia, Uganda, Zambia, Zimbabwe          America: Argentina, Barbados, Bermuda, Brazil, Cayman Islands, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, El Salvador, French Guiana, Guadeloupe, Guatemala, Guyana, Haiti, Honduras, Jamaica, Martinique, Mexico, Montserrat, Panama, Paraguay, Puerto Rico, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, USA, United States Virgin Islands, Hawaii, Uruguay, Venezuela          Asia: Bhutan, British</p>
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<p>10.</p>	<p><i>Chrysomphalus dictyospermi</i> (Morgan, 1889); (Syn. <i>Aspidiotus</i> (<i>Chrysomphalus</i>) <i>dictyospermi</i> (Morgan) Cockerell, 1897, <i>Aspidiotus agrumicula</i> De Gregorio, 1915, <i>Aspidiotus arecae</i> (Newstead) Cockerell, 1894, <i>Aspidiotus dictyospermi</i> Morgan, 1889, <i>Aspidiotus dictyospermi jamaicensis</i> Cockerell, 1894, <i>Aspidiotus dictyospermi</i> var. <i>arecae</i> Newstead, 1893, <i>Aspidiotus jamaicensis</i> (Cockerell) Ferris, 1941, <i>Aspidiotus mangiferae</i> Cockerell, 1893, <i>Chrisomphalus dictyospermi</i> Yasnosh, 1995, <i>Chrysomphalus arecae</i> (Newstead) Malenotti, 1916, <i>Chrysomphalus castigatus</i> Mamet, 1936, <i>Chrysomphalus dictyospermatis</i> Lindinger, 1949, <i>Chrysomphalus jamaicensis</i> (Cockerell) Malenotti, 1917, <i>Chrysomphalus jamaucebsis</i> Chou, 1895, <i>Chrysomphalus mangiferae</i> (Cockerell) Leonardi, 1899, <i>Chrysomphalus minor</i> Berlese, 1896); (Hemiptera: Diaspididae); dictyospermum scale, Morgan's scale, palm scale, red scale, Spanish red scale, western red scale</p>	<p>II</p>	<p>Acacia (wattles), <i>Acer palmatum</i> (Japanese maple), Agave, Aloe (grey alder), Annona, <i>Araucaria angustifolia</i> (Paraná pine), Artocarpus (breadfruit trees), Asparagus, <i>Albizia julibrissin</i> (silk tree), Areca, <i>Areca catechu</i> (pinang, betelnut-pam), <i>Bambusa vulgaris</i> (common bamboo), Buxus (box), Cactaceae (cacti), Camellia, <i>Carica papaya</i> (pepaya, papaw), <i>Ceratonia siliqua</i> (locust bean), Cinnamomum, Colocasia, Crataegus (hawthorns), <i>Cupressus macrocarpa</i> (monterey cypress), Cycas, <i>Cymbidium</i>, <i>Cypripedium</i>, <i>Citrus</i> spp. (jeruk, orange), <i>Citrus aurantiifolia</i> (lime), <i>Citrus aurantium</i> (sour orange), <i>Citrus maxima</i> (pummelo), <i>Citrus sinensis</i> (navel orange), <i>Citrus unshiu</i> (satsuma), <i>Citrus x paradisi</i> (grapefruit), <i>Cocos nucifera</i> (kelapa, coconut), <i>Dracaena</i>, Dendrobium, Dictyosperma, Diospyros (malabar ebony), <i>Elaeis</i></p>	<p>batang (stems (above ground), shoots, trunks, branches), daun (leaves), buah (fruits (inc. pods), kulit kayu (bark), bunga (flowers, inflorescences, cones, calyx)</p>	<p>Indonesia: Jawa, Papua, Sumatera Africa: Algeria, Angola, Benin, Cameroon, Cape Verde, Comoros, Congo, DR Congo, Egypt, Eritrea, Ethiopia, Guinea, Ivory Coast, Kenya, Libya, Madagascar, Mozambique, Mali, Mauritius, Morocco, Niger, Nigeria, Réunion, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, Sudan, Tanzania, Togo, Tunisia, Uganda, Zambia, Zimbabwe. America: Argentina, Bahamas, Barbados, Bermuda, Brazil, Bolivia, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, El savador, Ecuador, Grenada, Guadeloupe, Guatemala, Guyana, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Puerto Rico, Saint Lucia, Suriname, Trinidad and</p>
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		<p><i>guineensis</i> (kelapa sawit, oil palm), <i>Erythrina variegata</i> (Indian coral tree), Eucalyptus (Eucalyptus tree), Eugenia, <i>Euphorbia regis-jubae</i>, Ficus, Fraxinus (ashes), Grevillea, Hedera (Ivy), <i>Hibiscus syriacus</i> (shrubby althaea), <i>Howea forsteriana</i> (paradise palm), <i>Howea</i>, Olea (olive), <i>Olea europaea</i> subsp. <i>europaea</i> (zaitun, olive), Latania, Laurus (laurel), Ligustrum (rivet), <i>Macadamia tetraphylla</i> (rough-shell macadamia nut), Malus (ornamental species apple), <i>Mangifera indica</i> (mangga, mango), Manihot, Musa (pisang, banana), <i>Musa x paradisiaca</i> (pisang kepok, plantain), <i>Monstera deliciosa</i> (ceriman), Morus (mulberrytree), Myristica (nutmeg), <i>Nerium oleander</i> (oleander), Palmaceae lainnya, Phoenix (date palm), Phormium, Pinus (pines), Pistacia, <i>Persea americana</i> (avokad, avocado), <i>Plumeria</i>, <i>Plumeria</i> (frangipani),</p>	<p>Tobago, USA, Hawaii, South Carolina, Uruguay, United States Virgin Islands, Venezuela. Asia: Cambodia, China, Georgia, India, Iran, Iraq, Israel, Japan, Kazakhstan, Kyrgystan, Lao PDR (Laos), Lebanon, Malaysia, Mongolia, Myanmar, Philippines, Republic of Korea (South Korea), Sri Lanka, Syria, Taiwan, Tajikistan, Thailand, Turkey, Turkmenistan, Uzbekistan, Vietnam. Europe: Albania, Armenia, Azerbaijan, Bulgaria, Belarus, Bosnia and Herzegovina, Czech Republic, Croatia, Estonia, France, Georgia, Germany, Greece, Italy, Latvia, Lithuania, Portugal, Poland, Malta, Moldova, Montenegro, North Macedonia, Kosovo, Ukraine, Russia, Romania, Serbia,</p>
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			Pittosporum, Platanus (planes), Populus (poplars), Prunus (stone fruit), <i>Psidium guajava</i> (guava), Punica, Pyrus (pears), Quercus (oaks), Rhamnus (Buckthorn), Roystonea, Ruscus, Rute (rue), <i>Rosa</i> (roses), <i>Solanum melongena</i> (terung, aubergine, eggplant), <i>Syzygium malaccense</i> (jambu bol, malay-apple), Solanaceae, Salix (willows), Sida, Sophora, Spondias (purple mombin), Strelitzia, <i>Taxus baccata</i> (english yew), Tamarindus, <i>Thuja occidentalis</i> (Eastern white cedar), <i>Thuja occidentalis</i> (Eastern white cedar), <i>Vanilla planifolia</i> (vanilla), <i>Vitis vinifera</i> (grapevine), Xanthosoma (cocoyam), Yucca, <i>Zingiber officinale</i> (jahe, ginger)		Slovenia, Spain, Slovakia Republic, United Kingdom Oceania: American Samoa, Australia, Federated states of Micronesia, Cook Islands, Fiji, French Polynesia, Guam, Johnston Island, Kiribati, Marshall Islands, New Caledonia, Niue, Norfolk Island, Northern Mariana Islands, Palau, Papua New Guinea, Samoa, Solomon Islands, Tonga, Tuvalu .
11.	<i>Contarinia sorghicola</i> (Coquillet, 1899); (Syn. <i>Contarinia sorghicola</i> , <i>Contarinia saltata</i> , <i>Contarinia andropogonis</i> , <i>Contarinia palposa</i> , <i>Diplosis sorghicola</i> , <i>Allocontarinia sorghicola</i> ); (Diptera: Cecidomyiidae); ganjur (sorgum)/Sorghum midge	II	<i>Sorghum arundinaceum</i> , <i>Sorghum dochna</i> , <i>Sorghum halepense</i> (Johnson grass), <i>Sorghum sudanense</i> (sudan grass), <i>Sorghum bicolor</i> (sorgum, sorghum), rerumputan ( <i>Triodia flava</i> , <i>Setaria glauca</i> , <i>Andropogon</i>	biji (true seed (inc. grain)), bunga (flowers, inflorescences, cones, calyx)	Indonesia: Jawa Africa: Benin, Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, DR Congo, Ethiopia, Gambia, Ghana, Kenya, Malawi, Mali, Mauritius, Niger, Nigeria,

			<i>gayanus</i> )	<p>Rwanda, Senegal, Sierra Leone, Somalia, South Africa, Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe</p> <p>America: Antigua and Barbuda, Argentina, Barbados, Brazil, Colombia, Cuba, Curaçao, Dominica, El Salvador, Grenada, Guadeloupe, Guatemala, Honduras, Jamaica, Martinique, Mexico, Montserrat, Netherlands Antilles, Nicaragua, Puerto Rico, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Trinidad and Tobago, USA, United States Virgin Islands, Hawaii, Uruguay, Venezuela</p> <p>Asia: India, Iran, Japan, Myanmar, Pakistan, Philippines, Sri Lanka, Thailand, Yemen</p> <p>Europe: France, Italy, Russian Federation</p> <p>Oceania: Australia, Fiji,</p>
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					New Caledonia, Papua New Guinea
12.	<i>Coptocercus biguttatus</i> (Donovan, 1805); (Syn. <i>Sternocorus biguttaus</i> Donovan, 1805, <i>Coptocercus decorus</i> Perroud, 1855); (Coleoptera: Cerambycidae);	II	<i>Myristica fragrans</i> (pala, nutmeg), <i>Syzygium aromaticum</i> (cengkeh, clove)	batang (stems, trunks, shoots), ranting (branches)	Indonesia: Maluku (Pulau Ambon, Pulau Seram) Oceania: Australia, Papua New Guinea
13.	<i>Coptotermes gestroi</i> (Wasmann, 1896); (Isoptera: Rhinotermitidae); Asian subterranean termite	II	Albizia, Pinus, Hevea, other wood	batang (stems (above ground), shoots, trunks, branches), kayu (woods)	Indonesia: Jawa Africa: Madagascar, Mauritius, Reunion America: Antigua, Barbados, Brazil, Cayman Islands, Mexico, Montserrat, Puerto Rico, St Kitts and Nevis, USA, US Virgin Islands Asia: Malaysia, Singapore, Thailand Europe: Italy Oceania: French Polynesia
14.	<i>Cryptophasa watungi</i> Watung, 2014; (Lepidoptera: Xyloryctidae)	II	<i>Syzygium aromaticum</i> (cengkeh, clove)	batang (stems (above ground), shoots, branches)	Indonesia: Sulawesi (Sulawesi Utara)
15.	<i>Dalbulus maidis</i> DeLong & Wolcott; (Syn. <i>Baldulus maidis</i> DeLong & Wolcott, <i>Cicadula maidis</i> DeLong &	II	<i>Tripsacum</i> (gamagrass), <i>Zea mays</i> (jagung, corn, maize), <i>Zea</i> spp.	daun (leaves), batang (stems (above	Indonesia: Sulawesi (Sulawesi Tengah) America: Argentina,

	Wolcott) (Hemiptera: Cicadellidae); corn leafhopper; maize leafhopper			ground), shoots, branches)	Brazil, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Puerto Rico, Suriname, USA, Venezuela
16.	<i>Darna bradleyi</i> Holloway; (Syn. <i>Ploneta bradleyi</i> ); (Lepidoptera: Limacodidae); ulat api, fire worm	II	<i>Elaeis guineensis</i> (kelapa sawit, oil palm)	batang (stems (above ground), trunks, shoots, branches), daun (leaves)	Indonesia: Sumatera
17.	<i>Darna catenatus</i> (Snellen); (Syn. <i>Orthocraspeda catenata</i> (Snellen), <i>Orthocraspeda catenatus</i> ); (Lepidoptera: Limacodidae).	II	<i>Cocos nucifera</i> (kelapa, coconut), <i>Elaeis guineensis</i> (kelapa sawit, oil palm), <i>Metroxylon sagu</i> (palem sagu, sago palm)	daun (leaves)	Indonesia: Sulawesi, Papua
18.	<i>Diaspidiotus perniciosus</i> (Comstock) Cockerell, 1899, Danzig, 1993; (= <i>Aonidia fusca</i> = <i>Aonidiella fusca</i> = <i>A. perniciosus</i> = <i>Aspidiotus (Comstockaspis) perniciosus</i> = <i>A. (Diaspidiotus) andromelas</i> = <i>A. (Diaspidiotus) perniciosus</i> = <i>A. (Hemiberlesiana) perniciosus</i> = <i>A. perniciosus</i> = <i>A. albopunctatus</i> = <i>A. fuscus</i> = <i>A.</i>	II	Acacia (wattles), <i>Acer</i> (maples), Actinidia, Aesculus (buckeye), Alanthus, Akebia, Albizia, Alnus (alders), Aloe (grey alders), Althea (hollyhocks), Amelanchier (serviceberries), Ampelopsis, Antirrhinum (snapdragon), Aralia, Arbutus, Aristolochia (dutchman's pipe),	batang (stems (above ground), trunks, shoots, branches), daun (leaves), buah (fruits), stalk	Indonesia: Jawa (Jawa Timur) Africa: Algeria, Angola, DR Congo, Congo, Morocco, South Africa, Tunisia, Zimbabwe America: Argentina, Bolivia, Brazil, Canada, Chile, Cuba, Ecuador,

<p><i>perniciosus</i> =<i>Comstockaspis perniciososa</i>          =<i>Diaspidiotus perniciosus</i>          =<i>Hemiberlesia perniciososa</i>          =<i>Quadraspidotus perniciosus</i>          =<i>Q.perniciosus</i>);          (Hemiptera: Diaspididae);          California scale, Chinese scale,          perniciosus scale, San José scale</p>	<p>Asclepias (Silkweed).  <i>Asparagus officinalis</i>          (asparagus), Aster, Aucuba,          Baccharis, Bambusa (bamboo),          Berberis (barberries), Betula          (birches), Bignonia, Buddleia          (Butterflybush), Buxus (box),          Callistemon (Bottle brush),          Camelia, Canna, Caragana,          Carpinus (hornbeams), Carya          (hickories), Caryopteris (blue-          beard), Castanea (chestnut),          Catalpa, Ceanothus (white-          thorn), Cedrus (cedars), Celtis          (nettle tree), Cephalanthus          (buttonbush), Cercis (redbud),          Chaenomeles (flowering          quinces), Chamaecyparis (false          cypress), Chrysanthemum          (daisy), Cinnamomum, <i>Citrus</i>          spp.(jeruk, orange), Clarastis,          Clematis, Cleodendrum          (Fragrant clerodendron),          Convolvulus (morning glory),          Cornus (Dogwood), Corylopsis,          Corylus, Cotoneaster,          Crataegus (hawthorns,          Cupressus (cypresses),          Cydonia (quince), Cytisus          (Broom), Dahlia, Daphne,</p>	<p>Mexico, Paraguay, Peru,          USA, Uruguay, Venezuela          Asia: Afghanistan,          Bangladesh, Bhutan,          Brunei, China, DPR Korea          (North Korea), Georgia,          India, Iran, Iraq, Japan,          Kazakhstan, Nepal,          Pakistan, Republic of          Korea (South Korea),          Tajikistan, Thailand,          Turkey, Uzbekistan,          Vietnam, Yemen          Europe: Albania, Armenia,          Austria, Azerbaijan,          Bosnia and Herzegovina,          Bulgaria, Croatia, Czech          Republic, France,          Germany, Greece,          Hungary, Italy, Moldova,          Montenegro, Netherlands,          North Macedonia Poland,          Portugal, Romania,          Russia, Serbia, Slovakia,          Slovenia, Spain,          Switzerland, Ukraine,          Oceania: Australia, New          Zealand</p>
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			<p>Daucus (carrot), Deutzia, Diervilla (bush-honeysuckle), Diospyros (malabar ebony), Eleagenus, Erica (heaths), Erigeron (Fleabane). Eriobotrya, Eucalyptus, Euonymus, Euphorbia (spurges), Fagus (beeches), Ficus, Forsythia (golden bells), Fragaria (Strawberry), Fraxinus (ashes), Gaylussacia (huckleberry), Genista (broom), Ginkgo, Gymnocladus, Hamamelis (witchhazel), Hedera (Ivy), Hibiscus (rosemallows), Hydrangea (hydrangeans), Hypericum (st Johnsworts), Ilex (Holly), Inula (Elecampene), Jasminum (jasmine), Juglans (walnuts), Juniperus (junipers) Kalmia (laurel), Kerria, Laburnum anaryroides (laburnum), Lagerstroemia, Larix (larches), Laurus (laurel), Lespedeza, Ligustrum (privet), Lilium (lily), Lindera (spicebush), Liquidambar (amber tree), Liriodendron (tulip tree), Lonicera (honeysuckles),</p>	
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			<p>Lycium (boxthorn), Maclura (osage-orange), Magnolia, Mahonia (holly grape), <i>Malus domestica</i> (apel, apple), Malva, Mesembryanthemum, Mespilus (medlar), Morus (mulberrytree), Myrica (waxmyrtles), Myrtus (myrtle), Nerium (oleander), Nyssa (tupelo), Olea (olive), Ostrya, Paeonia (peonies), Panicum (millets), Paulownia, Persea, Petroselinum (parsley), Phellodendron (cork tree), Philadelphus, <i>Philadelphus coronarius</i> (mock orange), Phlox, Physocarpus, Picea (spruces), Pinus (pines), Piper (pepper), Pittosporum, Platanus (planes), Plygonum (knotweed), Poncirus, Populus (poplas), Potentilla (Cinquefoil), Prunus (stone fruit), <i>Prunus avium</i> (sweet cherry), <i>Prunus cerasus</i> (ceri, cherry), <i>Prunus domestica</i> (plum), <i>Prunus laurocerasus</i> (cherry laurel), <i>Prunus persica</i> (persik, peach), <i>Prunus salicina</i> (Japanese plum), Ptelea, Punica, Pyracantha (Firethorn), Pyrus</p>	
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			(pears), <i>Pyrus communis</i> (European pear), Rhododendron (Azalea), Rhus (Sumach), Ribes (currant), Ricinus, Salix (willows), Sambucus (Elderberry), Sassafrass, Schinus (pepper tree), Sciadopitys, Smilax (greenbriar), Solanum (nightshade), Sophora, Sorbaria, Sorbus (rowan), Spartium, Spiraea, Stephanandra, Symphoricarpos (snowberry), Tamarix (tamarisk), Taxodium (pondcypress), Taxus (yew), Tecoma, Ternstroemia, Thuja, Tilia (limes), Trachelospermum, Tsuga (hemlocks), Ulmus (elms), <i>Urtica</i> spp., Vaccinium (blueberries), Vivurnum, Vinca (periwinkle), Vitex, Wisteria, <i>Yucca</i> <i>Vitis vinifera</i> (anggur, grapevine), <i>Prunus persica nectarina</i> (nektarin, nectarine), buah batu (stone fruit)		
19.	<i>Dihammus rusticator</i> Fisher, 1935; (Syn. <i>Acalolepta fistulator</i> (Germar), <i>Acalolepta rusticator</i> (Fabricius), <i>Dihammus fistulator</i> Germar, <i>Monochamus fistulator</i> (Germ.),	II	<i>Coffea arabica</i> (kopi arabika, arabica coffee), <i>Coffea</i> spp. (kopi, coffee), <i>Jatropha</i> sp. (jarak iri, Barbados nut tree), <i>Manihot esculenta</i> (ubi kayu,	batang (stems (above ground), trunks, shoots,	Indonesia: Sumatera

	<i>Monohammus fistulator</i> (Germ.); (Coleoptera: Cerambycidae); penggerek batang/stem borer		cassava), <i>Ricinus communis</i> (jarak kepyar, castor bean), <i>Theobroma cacao</i> (kakao, cocoa), <i>Solanum melongena</i> (terung, aubergine, eggplant)	branches), daun (leaves), akar (roots)	
20.	<i>Dorysthenes buqueti</i> (Guerin- Meneville, 1844); (Syn. <i>Lophosternus buqueti</i> ); (Coleoptera: Cerambycidae); longhorn beetle	II	<i>Bambusa vulgaris</i> (common bamboo), <i>Saccharum</i> <i>officinarum</i> (tebu, sugarcane), <i>Spondias pinnata</i> (kedondong, otaheite apple), <i>Leucaena</i> <i>glauca</i> (lamtoro gung, horse tamarind), <i>Manihot esculenta</i> (ubi kayu, cassava)	batang (stems (above ground), trunks, branches), daun (leaves)	Indonesia: Jawa (Jawa Barat) Asia: India, Lao PDR (Laos), Malaysia, Myanmar, Thailand
21.	<i>Helopeltis antonii</i> Signoret, 1858; (Hemiptera: Miridae); tea bug	II	<i>Anacardium occidentale</i> (cashew nut), <i>Azadirachta</i> <i>indica</i> (mimba, neem tree), <i>Camellia sinensis</i> (teh, tea), <i>Cinchona officinalis</i> , <i>Persea</i> <i>americana</i> (avokad, avocado), <i>Pimenta doica</i> , <i>Piper nigrum</i> , <i>Psidium guajava</i> (jambu biji, guava), <i>Punica granatum</i> (delima, pomegranate, <i>Theobroma cacao</i> (kakao, cocoa), <i>Vitis vinifera</i> (anggur, grapevine)	buah (fruits (inc. pods)), daun (leaves), biji (seeds), batang (stems), titik tumbuh (growing point)	Indonesia: Sumatera Asia: India, Myanmar, Sri Lanka, Vietnam
22.	<i>Heterobostrychus aequalis</i> (Waterhouse); (Coleoptera; Bostrichidae); powder post beetle	II	<i>Camelia sinensis</i> (teh, tea), <i>Ceiba pentandra</i> (kapuk, kapok), <i>Forest trees</i>	batang (stems), kayu (woods)	Indonesia: Jawa, Bali Africa: South Africa, Madagascar Asia: Bangladesh, Bhutan,

					China, India, Israel, Malaysia, Myanmar, Nepal, Pakistan, Philippines, Sri Lanka, Taiwan, Thailand, Timor Leste Europe: Germany Oceania: Papua New Guinea
23.	<i>Hexamitodera semivelutina</i> Heller.; (Coleoptera: Cerambycidae); penggerak batang (cengkeh)/stem borer	II	<i>Syzygium aromaticum</i> (cengkeh, clove), <i>Syzygium</i> spp., <i>Eugenia</i> spp., Myrtaceae, <i>Psidium guajava</i> (jambu biji, guava)	batang (stems)	Indonesia: Jawa, Sulawesi, Maluku, Sumatera Asia: Brunei Darussalam
24.	<i>Icerya purchasi</i> Maskell.; (Syn. <i>Pericerya purchasi</i> ); (Hemiptera: Margarodidae); cottony cushion scale	II	<i>Acacia</i> (wattles), <i>Acacia confusa</i> , <i>Acalypha</i> (copperleaf), <i>Albizia julibrissin</i> (silk tree), <i>Acacia dealbata</i> (acacia bernier), <i>Albizia procera</i> (white siris), <i>Baccharis</i> , <i>Begonia</i> , <i>Buxus sempervirens</i> (common boxwood), <i>Caesalpinia</i> (divi-divi), <i>Cajanus cajan</i> (kacang gude, pigeon pea), <i>Camellia</i> , <i>Cassia</i> (sennas), <i>Casuarina</i> , <i>Casuarina equisetifolia</i> (casuarina), <i>Citrus</i> , <i>Cytisus</i> (broom), <i>Choisya</i> , <i>Choisya ternata</i> (mexican orange blossom), <i>Crotalaria</i> ,	batang (stems), daun (leaves)	Indonesia: Jawa, Kalimantan, Sulawesi, Sumatera, Papua Africa: Algeria, Angola, Cape Verde, Congo, DR Congo, Egypt, Ethiopia, Kenya, Libya, Madagascar, Malawi, Mauritius, Morocco, Mozambique, Saint Helena, Sao Tome and Principe, Senegal, Seychelles, Somalia, South Africa, Sudan, Tanzania, Togo, Tunisia, Uganda, Zambia,

		<p><i>Desmodium</i> (tick clovers),  <i>Elaeagnus</i>, <i>Euphorbia</i>  (spurges), <i>Fragaria</i>  (strawberry), <i>Fuchsia</i>, <i>Glycine</i>  soja (kedelai, soybean), Hebe,  <i>Hedera helix</i> (ivy), <i>Hydrangea</i>  (Hydrangeas), <i>Impatiens</i>  (balsam), <i>Indigofera</i> (indigo),  <i>Jasminum</i> (jasmine),  <i>Juncus</i>(rushes), <i>Lantana</i>  <i>camara</i> (lantana), <i>Laurus</i>  <i>nobilis</i> (Sweet bay), <i>Mangifera</i>  <i>indica</i> (mangga, mango),  <i>Maranta bicolor</i>, <i>Macadamia</i>  <i>integrifolia</i> (macadamia,  macadamia nut), <i>Malpighia</i>  <i>punicifolia</i>, <i>Malpighia glabra</i>  (acerola), <i>Medicago sativa</i>  (alfalfa, lucerne), <i>Mimosa</i>  (sensitive plants), <i>Morus alba</i>  (murbei, mulberry), <i>Morus</i>  <i>nigra</i> (murbei, blackmulberry),  <i>Nandina domestica</i> (heavenly  bamboo), <i>Pelargonium</i>  (pelargoniums), <i>Pittosporum</i>,  <i>Pittosporum tobira</i> (japanese  pittosporum), <i>Plumbago</i>,  <i>Plumbago zeylanica</i>, <i>Prunus</i>  (stone fruit), <i>Psophocarpus</i>  <i>tetragonolobus</i> (kecipir, winged</p>	<p>Zimbabwe  America: Antigua and  Barbuda, Argentina,  Bahamas, Barbados,  Bermuda, Bolivia, Brazil,  Cayman Islands, Chile,  Colombia, Cuba, Curaçao,  Dominica, Dominican  Republic, Ecuador, El  Salvador, Guadeloupe,  Guatemala, Guyana,  Haiti, Jamaica,  Martinique, Mexico,  Montserrat, Paraguay,  Peru, Puerto Rico, Saint  Kitts and Nevis, Saint  Lucia, Trinidad and  Tobago, USA, Uruguay,  Venezuela  Asia: Bangladesh, China,  Cocos Islands, DPR Korea  (North Korea), Georgia,  India, Iran, Iraq, Israel,  Japan, Jordan, Lebanon,  Malaysia, Maldives,  Pakistan, Republic of  Korea (South Korea),  Saudi Arabia, Singapore,  Sri Lanka, Syria,  Thailand, Taiwan, Turkey,</p>
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			bean), <i>Psidium guajava</i> (jambu biji, guava), <i>Punica granatum</i> (delima, pomegranate), <i>Pyracantha coccinea</i> (scarletfirethorn), <i>Quercus</i> (oaks), <i>Ricinus communis</i> (jarak kepyar, castor bean), <i>Rosa</i> (roses), <i>Schinus</i> (pepper tree), <i>Senecio</i> (groundsel), <i>Spartium junceum</i> (spanish broom), <i>Spirarea</i> , <i>Syringa</i> (lilac), <i>Ros marinus officinalis</i> (rosemary), <i>Ulex europaeus</i> (gorse), <i>Virgilia capensis</i> (snowdrop tree)		Vietnam, Yemen Europe: Albania, Bulgaria, Bosnia and Herzegovina, Cyprus, Croatia, France, Gibraltar, Greece, Hungary, Italy, Malta, Montenegro, North Macedonia, Portugal, Romania, Russia, Serbia, Slovenia, Spain, Switzerland, United Kingdom Oceania: Australia, Christmas Island, Federated States of Micronesia (Caroline Islands), Fiji, French Polynesia, Guam, Kiribati, Marshall Islands, New Caledonia, New Zealand, Norfolk Island, Northern Mariana Islands, Palau, Papua New Guinea, Solomon Islands, Tonga, US Minor Outlying Islands
25.	<i>Laodelphax striatellus</i> (Fallen); (Syn. <i>Laodelphax striatellus</i> , <i>Calligypona marginata</i> , <i>Calligypona striatella</i> , <i>Delphacodes striatella</i> , <i>Delphax notula</i> , <i>Delphax striata</i> ,	II	<i>Avena sativa</i> (oats), <i>Dactylis glomerata</i> (orchard grass), <i>Digitaria ciliaris</i> (southern crab grass), <i>Echinochloa</i> (barnyardgrass), <i>Hordeum</i>	batang (stems), daun (leaves)	Indonesia: Sumatera Africa: Algeria, Morocco, Tunisia Asia: China, DPR Korea (North Korea), Georgia,

	<p><i>Delphax striatella</i>, <i>Liburnia akashiensis</i>, <i>Liburnia devastans</i>, <i>Liburnia gifuensis</i>, <i>Liburnia haupti</i>, <i>Liburnia maikoensis</i>, <i>Liburnia marginata</i>, <i>Liburnia minonensis</i>, <i>Liburnia nipponica</i>, <i>Liburnia striatella</i>); (Hemiptera: Delphacidae); smaller brown planthopper</p>		<p><i>vulgare</i> (barli, barley), <i>Lolium</i> (rye grasses), <i>Oryza sativa</i> (padi, paddy, rice), <i>Poa annua</i> (annual meadow grass), <i>Saccharum officinarum</i> (tebu, sugarcane), Poaceae, <i>Triticum</i> spp.(wheat), <i>Zea mays</i> (jagung, corn, maize)</p>		<p>India, Iran, Israel, Japan, Republic of Korea (South Korea), Philippines, Taiwan, Tajikistan, Thailand, Turkmenistan, Vietnam Europe: Armenia, Austria, Belgium, Bulgaria, Bosnia and Herzegovina, Czech Republic, Croatia, Denmark, Finland, France, Germany, Hungary, Ireland, Italy, Moldova, Montenegro, North Macedonia, Netherlands, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Federated states of Micronesia, Northern Mariana Islands</p>
26.	<p><i>Liriomyza chinensis</i> (Kato, 1949); (Diptera: Agromyzidae); pengorok daun/onion leaves miner, stone leek leafminer</p>	II	<p><i>Allium cepa</i> (bawang bombai, onion), <i>Allium</i> pp.</p>	<p>batang (stems), daun (leaves)</p>	<p>Indonesia: Jawa, Sulawesi, Bali Asia: China, Japan, Malaysia, Republic of Korea (South Korea),</p>

					Singapore, Taiwan, Thailand, Vietnam Europe: France, Germany
27.	<p><i>Liriomyza trifolii</i> Burgess in Comstock, 1880; (Syn. <i>Agromyza phaseolunata</i> Frost, 1943, <i>Liriomyza allivora</i> Frick, 1955, <i>Liriomyza allivora</i> Frick, 1955, <i>L. phaseolunata</i> (Frost, 1943), <i>Oscinis trifolii</i> Burgess in Comstock, 1880); (Diptera: Agromyzidae); penggorok daun (leaves), serpentine leaf miner, American serpentine leaf miner, chrysanthemum leaf miner</p>	II	<p><i>Allium cepa</i> (bawang bombay, onion), <i>Allium schoenoprasum</i> (bawang kucai, chives), Alstroemeria (inca lily), Ambrosia (ragweed), Antirrhinum (snapdragon), <i>Apium graveolens</i> var. <i>dulce</i> (bleached celery), Arachis, Artemisia (wormwoods), <i>Avena sativa</i> (oats), <i>Abelmoschus esculentus</i> (okra, lady's finger), <i>Ageratum</i>, <i>Allium</i> spp. (onions, garlic, leek, etc) <i>Allium sativum</i> (bawang putih, garlic), <i>Arachys hypogaea</i> (kacang tanah, peanut), Aster, <i>Beta vulgaris</i> var. <i>saccharifera</i> (bit gula, sugar beet), <i>Bidens</i> (burmarigold), <i>Brassica rapa</i> cultivar group Mizuna, <i>Brassica rapa</i> subsp. <i>chinensis</i> (pak-choi, Chinese cabbage), Baccharis, Basella, Bellis, Cassia (sennas), Centaurea (knapweed), Carthamus, Cestrum (jessamine),</p>	batang (stems), daun (leaves)	<p>Indonesia: Jawa, Sumatera Africa: Benin, Egypt, Ethiopia, Guinea, Ivory Coast, Kenya, Madagascar, Mauritius, Mayotte, Morocco, Nigeria, Réunion, Senegal, South Africa, Sudan, Tanzania, Tunisia, Zambia, Zimbabwe America: Argentina, Bahamas, Barbados, Bermuda, Brazil, British Virgin Islands, Canada, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, French Guiana, Guadeloupe, Guatemala, Guyana, Martinique, Mexico, Netherlands Antilles, Peru, Puerto Rico, Saint Kitts and Nevis, Trinidad and Tobago, USA, United State</p>

		<p>Chenopodium (goosefoot),  <i>Chrysanthemum indicum</i>  (krisan, chrysanthemum),  <i>Citrullus lanatus</i> (semangka,  watermelon), <i>Crataegus</i>  (<i>hawthorns</i>), <i>Crotalaria</i>,  <i>Cucurbita maxima</i> (labu, giant  pumpkin), <i>Cucurbita moschata</i>  (labu kuning, pumpkin),  <i>Chrysanthemum</i> spp.,  <i>Chrysanthemum morifolium</i>  (florist's chrysanthemum),  <i>Capsicum annuum</i> (cabai  besar, paprika, bell-pepper, hot  pepper, chilies), <i>Callistephus</i>,  <i>Cucumis melo</i> (melon, melon),  <i>Cucumis sativus</i> (mentimun,  cucumber), <i>Cucurbita pepo</i>  (labu kuning, zukini, zucchini),  Cucurbitaceae (cucurbits),  <i>Dahlia</i>, <i>Dendranthema</i>,  <i>Dianthus</i> (anyelir, carnation),  <i>Daucus carota</i> (wortel, carrot),  <i>Erigeron</i> (fleabane),  <i>Eupatorium</i>, <i>Gazania</i>, <i>Gladiolus</i>  <i>hybrids</i> (sword lily), Glycine,  <i>Gaillardia</i>, <i>Gerbera</i> (barbeton  daisy), <i>Glycine max</i> (kedelai,  soyabean), <i>Gossypium</i> (cotton),  <i>Gossypium hirsutum</i> (kapas,</p>	<p>Virgin Island, Hawaii,  Venezuela  Asia: China, India, Iran,  Israel, Japan, Jordan,  Lebanon, Oman,  Philippines, Republic of  Korea (South Korea),  Saudi Arabia, Taiwan,  Turkey, United Arab  Emirates, Vietnam, Yemen  Europe: Austria, Belgium,  Bosnia and Herzegovina,  Croatia, Cyprus, Czech  Republic, Finland, France,  Greece, Italy, Malta,  Montenegro, North  Macedonia, Netherlands,  Portugal, Romania,  Russia, Serbia, Slovakia,  Slovenia, Spain,  Switzerland  Oceania: American  Samoa, Australia,  Federated states of  Micronesia, Guam,  Northern Mariana Islands,  Samoa, Tonga</p>
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			<p>cotton), <i>Gypsophila</i> (baby's breath), <i>Helianthus</i> (bunga matahari, sunflower), <i>Hordeum</i> (barli, barleys), <i>Ipomoea</i> (morning glory), <i>Lagenaria siceraria</i> (labu air, bottle gourd), <i>Linaria</i> (toadflax), <i>Luffa acutangula</i> (angled luffa), <i>Luffa aegyptiaca</i> (loofah), <i>Lactuca sativa</i> (lettuce), <i>Lathyrus</i> (<i>Vetchling</i>), <i>Macrotyloma</i>, <i>Malva</i> (mallow), <i>Medicago</i>, <i>Medicago sativa</i> (alfalfa, lucerne), <i>Macrotyloma</i>, <i>Melilotus</i> (melilots), <i>Mollucella</i>, <i>Nasturtium officinale</i> (selada air, watercress), <i>Ocimum</i>, <i>Primula</i> (primrose), <i>Phlox</i>, <i>Physalis</i> (groundcherry), <i>Phaseolus</i> spp. <i>Phaseolus</i> (beans), <i>Phaseolus lunatus</i> (lima bean), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Pisum sativum</i>(kacang polong, pea), <i>Ricinus</i>, <i>Ricinus communis</i> (jarak kepyar, castor bean), <i>Sonchus</i> (sowthistle), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Salvia</i> (sage), <i>Senecio</i> (grounse), <i>Solanum</i></p>	
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			<p><i>lycopersicum</i> (tomat, tomato), <i>Solanum melongena</i> (terung, aubergine, eggplant), <i>Solanum tuberosum</i> (kentang, potato), <i>Spinacia oleracea</i> (bayam jepang, spinach), <i>Tagetes</i> (marigold), <i>Tropaeolum</i>, <i>Trifolium</i> (cengkeh, clovers), <i>Trifolium repens</i> (semanggi putih, white clover), <i>Taraxacum</i> (dandelion), <i>Tithonia</i>, <i>Tragopogon</i> (goat's-beard), <i>Tribulus</i> (caltrop), <i>Trigonella</i>, <i>Typha</i> (reedmace), <i>Verbena</i> (vervain), <i>Vicia</i> (vetch), <i>Vigna unguiculata</i> (kacang panjang, cowpea), <i>Xanthium</i> (cocklebur), <i>Zinnia</i></p>		
28.	<p><i>Macrosiphum euphorbiae</i> Thomas, 1878; (Syn. <i>Illinoia solanifolii</i>, <i>Macrosiphon euphorbiae</i> Thomas, <i>Macrosiphon solanifolii</i> Ashmead, <i>Macrosiphum amygdaloides</i>, <i>Macrosiphum cyprissiae</i> var. <i>cucurbitae</i> del Guercio, <i>Macrosiphum euphorbiellum</i> Theobald, <i>Macrosiphum koehleri</i> Börner, <i>Macrosiphum rosaeollae</i> Theobald, <i>Macrosiphum solanifolii</i> (Ashmead), <i>Macrosiphum tabaci</i> Pergande,</p>	II	<p><i>Apium graveolens</i> (seledri, celery), <i>Artemisia</i> (wormwoods), <i>Beta vulgaris</i> var. <i>Saccharifera</i> (bit gula, sugar beet), <i>Capsicum</i> (peppers), <i>Chenopodium album</i> (fat hen), <i>Chenopodium quinoa</i> (quinoa), <i>Citrus</i>, <i>Citrus deliciosa</i> (mediterranean mandarin), <i>Citrus reticulata</i> (mandarin orange), <i>Citrus sinensis</i> (navel orange), <i>Cucumis sativus</i></p>	batang (stems), daun (leaves), bunga (flowers), buah (fruits)	Indonesia: Jawa (Jawa Barat) Africa: Algeria, Angola, Burundi, DR Congo, Egypt, Ethiopia, Kenya, Libya, Malawi, Mauritius, Morocco, Mozambique, Rwanda, Reunion, Saint Helena, South Africa, Tanzania, Tunisia, Uganda, Zambia, Zimbabwe

<p><i>Nectarophora ascepiadis</i> Cowen ex Gillette &amp; Baker, <i>Nectarophora heleniella</i> Cockerell, <i>Nectarophora lycopersici</i> Clarke, <i>Nectarophora tabaci</i>, <i>Nectarophora tabaci</i> Pergande, <i>Siphonophora asclepiadifolii</i>, Thomas, <i>Siphonophora cucurbitae</i> Middleton ex Thomas, <i>Siphonophora euphorbiae</i> Thomas, <i>Siphonophora solanifolii</i> Ashmead, <i>Siphonophora tulipae</i> Mondell); (Hemiptera: Aphididae); potato aphid, pink and green potato aphid, pink and green potato aphid, pink potato aphid, potato aphid, tomato aphid</p>		<p>(mentimun, cucumber), <i>Cucurbita pepo</i> (labu kuning, zukini, zucchini), <i>Epilobium angustifolium</i> (rosebay willowherb), <i>Fragaria</i> (stroberi, strawberry), <i>Freesia</i>, <i>Gladiolus hybrids</i> (sword lily), <i>Gossypium</i> (cotton), <i>Hordeum vulgare</i> (barli, barley), <i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Lactuca sativa</i> (selada, lettuce), <i>Linum usitatissimum</i> (flax), <i>Lupinus</i> (lupins), <i>Lupinus albus</i> (white lupine), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Rosa</i> spp. (mawar, rose), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum melongena</i> (terung, eggplant, aubergine), <i>Solanum tuberosum</i> (kentang, potato), <i>Triticum aestivum</i> (gandum, wheat), <i>Vicia faba</i> (faba bean), <i>Vigna unguiculata</i> (kacang panjang, cowpea), <i>Vitis vinifera</i> (anggur, grapevine), <i>Zea mays</i> (jagung, corn, maize)</p>	<p>America: Argentina, Bermuda, Bolivia, Brazil, Canada, Chile, Colombia, Cuba, DPR Korea (North Korea), Ecuador, Falkland Island, Jamaica, Mexico, Peru, Puerto Rico, USA, Uruguay, Venezuela Asia: Bangladesh, China, Georgia, India, Iran, Israel, Japan, Jordan, Kazakhstan, Kyrgyzstan, Lebanon, Malaysia, Pakistan, Republic of Korea (South Korea), Saudi Arabia, Sri Lanka, Syria, Turkey, Tajikistan, Turkmenistan, Uzbekistan Europe: Armenia, Azerbaijan, Austria, Belarus, Belgium, Bulgaria, Bosnia and Herzegovina, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Latvia, Lithuania, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, North</p>
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					Macedonia, Malta, Moldova, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Caledonia, New Zealand
29.	<i>Olenecamptus bilobus</i> (Fabricius); (Coleoptera: Cerambycidae); Longhorn beetle	II	<i>Artocarpus integra</i> , <i>Artocarpus hissutus</i> , <i>Ficus carica</i> (ara, fig), <i>Mangifera indica</i> (mangga, mango), <i>Morus alba</i> (murbei, mulberry)	batang (stems), kayu (woods), kulit kayu (bark)	Indonesia: Jawa, Maluku, Sumatera, Papua Asia: India, Pakistan
30.	<i>Ophelimus eucalypti</i> (Gahan, 1922); (Syn. <i>Rhichnopeltella eucalypti</i> ); (Hymenoptera: Eulophidae)	II	<i>Eucalyptus</i> , <i>Eucalyptus botryoides</i> (southern mahogany), <i>Eucalyptus globulus</i> (Tasmanian blue gum), <i>Eucalyptus saligna</i> (Sydney blue gum)	daun (leaves)	Indonesia: Sumatera (Sumatera Utara) Africa: Kenya, Morocco, Uganda Asia: Iran, Israel Europe: Greece, Italy, Spain Oceania: Australia, New Zealand
31.	<i>Paraecusmetus pallicornis</i> (Dallas); (Syn. <i>Gyndes pallicornis</i> , <i>Pachybrachius pallicornis</i> ); (Hemiptera: Rhyparochromidae); slender black rice bug	II	<i>Oryza sativa</i> (padi, paddy, rice), Poaceae	batang (stems), jerami (straws), bulir (grains)	Indonesia: Maluku (Buru), Maluku Utara, Sulawesi, Kalimantan, Nusa Tenggara Timur, Nusa Tenggara Barat

					Asia: Malaysia, Philippines
32.	<i>Paraleyrodes minei</i> Laccarino, 1990; (Hemiptera: Aleyrodidae); nesting whitefly	II	<i>Citrus aurantifolia</i> (lime), <i>Citrus aurantium</i> (bitter orange), <i>Citrus limon</i> (lemon), <i>Citrus paradisi</i> (grapefruit), <i>Citrus reticulata</i> (mandarin orange), <i>Persea americana</i> (avokad, avocado), <i>Cocos nucifera</i> (kelapa, coconut)	daun (leaves)	Indonesia: Jawa (Jawa Barat) Asia: China, Iran, Israel, Lebanon, Syria, Turkey America: Belize, Bemuda, Colombia, Dominican Republic, Guatemala, Haiti, Honduras, Mexico, Puerto Rico, USA Europe: Italy, Portugal, Spain
33.	<i>Pectinophora gossypiella</i> Saunders, 1843; (Syn. <i>Depressaria gossypiella</i> Saunders, <i>Ephestia gossypiella</i> Saunders, <i>Gelechia gossypiella</i> Saunders, <i>Gelechiella gossypiella</i> Saunders, <i>Platyedra gossypiella</i> Saunders); (Lepidoptera: Gelechiidae); pink bollworm, pink cotton bollworm	II	<i>Abelmoschus moschatus</i> (okra, lady's finger), <i>Abutilon</i> spp. (Indian mallow), <i>Abutilon indicum</i> (country mallow), <i>Gossypium</i> , <i>Gossypium hirsutum</i> (kapas, cotton), <i>Hibiscus</i> spp. (rosemallows), <i>Hibiscus cannabinus</i> (kenaf), <i>Hibiscus sabdariffa</i> (jamaica sorrel), Malvaceae, <i>Medicago sativa</i> (alfalfa, lucerne), <i>Althaea</i> (hollyhocks), <i>Gossypium arboreum</i> (tree cotton), <i>Gossypium herbaceum</i> (short staple cotton)	buah (fruits), biji (seeds), tanah (soil)	Indonesia: Jawa, Nusa Tenggara Barat, Nusa Tenggara Timur, Sulawesi Africa: Algeria, Angola, Benin, Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, DR Congo, Egypt, Ethiopia, Ghana, Ivory Coast, Kenya, Libya, Madagascar, Malawi, Mali, Mauritius, Morocco, Mozambique, Niger, Nigeria, Rwanda, Senegal, Seychelles, Sierra Leone, Somalia, Sudan, Tanzania, Togo, Tunisia, Uganda, Zimbabwe.

					America: Antigua and Barbuda, Argentina, Bahamas, Barbados, British Virgin Islands, Bolivia, Brazil, Colombia, Cuba, Dominica, Dominican Republic, Grenada, Guadeloupe, Guyana, Haiti, Jamaica, Martinique, Mexico, Montserrat, Paraguay, Peru, Puerto Rico, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Trinidad and Tobago, USA, Hawaii, United State Virgin Island, Uruguay, Venezuela Asia: Afghanistan, Bangladesh, Cambodia, China, DPR Korea (North Korea), India, Iran, Iraq, Israel, Japan, Jordan, Lao PDR (Laos), Malaysia, Myanmar, Pakistan, Philippines, Saudi Arabia, Sri Lanka, Syria, Taiwan, Thailand, Turkey, Uzbekistan, Vietnam, Yemen
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34.	<p><i>Phenacoccus manihoti</i> Matile-Ferrero, 1977; (Hemiptera: Pseudococcidae); cassava mealybug</p>	II	<p><i>Boerhavia diffusa</i> (red spiderling), <i>Capsicum</i> spp. Citrus, Cyperus (flatsedge), <i>Euphorbia pulcherrima</i> (kastuba, pointsettia), <i>Glycine max</i> (kedelai, soyabean), <i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Manihot esculenta</i> (ubi kayu, cassava), <i>Manihot glaziovii</i> (ceara rubber), <i>Sida acuta</i> (sida), Solanum (nightshade), <i>Solanum lycopersicum</i> (tomat, tomato)</p>	<p>batang (stems), daun (leaves), bunga (flowers)</p>	<p>Indonesia: Jawa</p> <p>Africa: Angola, Benin, Cameroon, Central African Republic, Congo, DR Congo, Equatorial Guinea, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Kenya, Liberia, Madagascar, Malawi, Mali, Mozambique, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, South Africa, Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe</p>

					America: Argentina, Bolivia, Brazil, Colombia, Guyana, Paraguay Asia: Cambodia, Lao PDR (Laos), Malaysia, Thailand, Vietnam
35.	<i>Phenacoccus solenopsis</i> Tinsley; (Hemiptera: Pseudococcidae); cotton mealybug	II	<i>Abelmoschus esculentus</i> (okra, lady's finger), <i>Carica papaya</i> (pepaya, papaya), <i>Abutilon indicum</i> (kembang sore, Indian abutilon), <i>Abutilon muticum</i> , <i>Acacia leucophloea</i> (white-barked acacia), <i>Acacia modesta</i> , <i>Acalypha wilkesiana</i> , <i>Achillea</i> (milfoil), <i>Achyranthes aspera</i> (devil's horsewhip), <i>Aerva javanica</i> (kapok bush), <i>Ageratum conyzoides</i> (babadotan, goatweed), <i>Albizia lebbek</i> (indian siris), <i>Althaea</i> (hollyhocks), <i>Amaranthus flavus</i> , <i>Amaranthus viridis</i> (slender amaranth), <i>Ambrosia</i> (ragweed), <i>Ambrosia artemisiifolia</i> (common ragweed), <i>Ambrosia confertifolia</i> , <i>Ambrosia dumosa</i> , <i>Ambrosia psilostachya</i> (perennial ragweed), <i>Ambrosia tenuifolia</i> , <i>Anagallis arvensis</i>	seluruh bagian tanaman (whole plant)	Indonesia: Jawa, Sumatera (Bengkulu) Africa: Benin, Cameroon, Egypt, Ghana, Mali, Nigeria, Reunion, Senegal America: Argentina, Belize, Brazil, Canada, Caribbean, Cayman Island, Chile, Colombia, Cuba, Dominican Republic, Ecuador, Guadeloupe, Guatemala, Jamaica, Martinique, Mexico, Nicaragua, Panama, USA Asia: Cambodia, China, India, Iran, Iraq, Japan, Pakistan, Sri Lanka, Taiwan, Thailand, Turkey, Vietnam Europe: Cyprus, Netherlands Oceania: Australia, New Caledonia



			<p>(scarlet pimpernel), <i>Aphelandra squarrosa</i> (zebra plant), <i>Artemisia annua</i> (sweet wormwood), <i>Asclepias</i> (silkwweed), <i>Asparagus densiflorus</i> (asparagus fern), <i>Atriplex canescens</i> (Fourwing saltbush), <i>Azadirachta indica</i> (mimba, neem tree), <i>Bassia indica</i>, <i>Bauhinia purpurea</i> (bunga kupu-kupu, purple bauhinia), <i>Bidens pilosa</i> (bunga ketul, blackjack), <i>Blumea lacera</i>, <i>Boerhavia repens</i>, <i>Bombax ceiba</i> (silk cotton tree), <i>Bougainvillea glabra</i> (bugenvil, bougainvillea), <i>Broussonetia papyrifera</i> (paper mulberry), <i>Calendula officinalis</i> (pot marigold), <i>Calotropis procera</i> (apple of sodom), <i>Capparis decidua</i>, <i>Capsicum frutescens</i> (cabai rawit, chilies), <i>Cassia fistula</i> (Indian laburnum), <i>Celosia argentea</i> (celosia), <i>Centaurea cyanus</i> (cornflower), <i>Cestrum diurnum</i>, <i>Cestrum nocturnum</i> (night scented cestrum), <i>Cevallia sinuata</i></p>	
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			<p>(stinging serpent), <i>Chenopodium album</i> (fat hen), <i>Chenopodium murale</i> (nettleleaf goosefoot), <i>Chrysanthemum morifolium</i> (florist's daisy), <i>Cirsium arvense</i> (creeping thistle), <i>Cichorium intybus</i> (chicory), <i>Citrullus colocynthis</i> (colocynth), <i>Citrullus lanatus</i> (semangka, watermelon), <i>Citrus aurantium</i> (jeruk nipis, lime), <i>Citrus sinensis</i> (navel orange), <i>Cleome viscosa</i> (yellow mesambay), <i>Clerodendrum inerme</i>, <i>Coleus blumei</i> (common coleus), <i>Convolvulus arvensis</i> (bindweed), <i>Convolvulus prostratus</i>, <i>Conyza bonariensis</i> (hairy fleabane), <i>Conyza canadensis</i> (Canadian fleabane), <i>Corchorus antichorus</i>, <i>Corchorus trilocularis</i>, <i>Cressa cretica</i>, <i>Croton sparciflorum</i>, <i>Cucumis tetragona</i>, <i>Cucurbita</i> (pumpkin), <i>Cucurbita moschata</i> (labu kuning, pumpkin), <i>Cuscuta reflexa</i> (dodder), <i>Cyamopsis tetragonoloba</i> (guar), <i>Cynodon dactylon</i></p>	
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			<p>(rumpit bermuda, bermuda grass), <i>Cyperus rotundus</i> (rumpit teki, purple nutsedge), <i>Dalbergia sissoo</i> (Indian rosewood), <i>Datura metel</i> (Hindu datura), <i>Daucus carota</i> (wortel, carrot), <i>Digera muricata</i>, <i>Duranta erecta</i> (Pigeonberry), <i>Echinochloa colona</i> (rumpit bebek, junglerice), <i>Elettaria cardamomum</i> (kapulaga seberang, cardamom), <i>Eleusine indica</i> (rumpit belulang, goosegrass), <i>Emilia sonchifolia</i> (red tasselflower), <i>Encelia farinosa</i> (brittlebush), <i>Enceliopsis</i>, <i>Eragrostis minor</i>, <i>Eriophyllum</i>, <i>Eucalyptus camaldulensis</i> (red gum), <i>Euphorbia</i> (spurges), <i>Euphorbia cotinifolia</i>, <i>Euphorbia hirta</i> (garden spurge), <i>Euphorbia prostrata</i>, <i>Euphorbia trigona</i>, <i>Fagonia cretica</i>, <i>Ficus benghalensis</i> (banyan), <i>Ficus carica</i> (fig), <i>Ficus virens</i> (grey fig), <i>Franseria</i>, <i>Gardenia jasminoides</i> (cape jasmine), <i>Gossypium</i> (cotton), <i>Gossypium</i></p>	
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			<p><i>arboreum</i> (cotton tree), <i>Gossypium hirsutum</i> (kapas, cotton), <i>Grewia asiatica</i> (phalsa), <i>Hamelia patens</i> (firebush), <i>Helianthus</i> (sunflower), <i>Helianthus annuus</i> (bunga matahari, sunflower), <i>Hibiscus</i> (rosemallows), <i>Hibiscus rosa-sinensis</i> (kembang sepatu, Chinese hibiscus), <i>Heliotropium</i> <i>europaeum</i> (common heliotrope), <i>Heliotropium</i> <i>strigosum</i> , <i>Herissantia crispa</i>, <i>Hibiscus mutabilis</i> (cottonrose), <i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Ipomoea cairica</i> (five-fingered morningglory), <i>Jacquemontia pentantha</i> (skyblue clustervine), <i>Jasminum cuspidatum</i>, <i>Jasminum sambac</i> (arabian jasmine), <i>Jatropha integerrima</i> (peregrina), <i>Kallstroemia</i> <i>brachystylis</i>, <i>Lagenaria</i> <i>siceraria</i> (labu air, bottle gourd), <i>Lagerstroemia indica</i> (indian crape myrtle), <i>Lantana</i> <i>camara</i> (lantana), <i>Launia</i> <i>nudicaulis</i>, <i>Lawsonia inermis</i></p>	
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			<p>(Egyptian privet), <i>Lepidium didymum</i>, <i>Luffa aegyptiaca</i> (loofah), <i>Lupinus</i> spp. (lupin), <i>Lycium chinense</i> (chinese wolfberry), <i>Malva parviflora</i> (cheeseweed), <i>Malvastrum coromandelianum</i> (prickly malvastrum), <i>Malvaviscus arboreus</i> (wax mallow), <i>Mangifera indica</i> (mangga, mango), <i>Mentha longifolia</i>, <i>Mentha piperita</i> (Peppermint), <i>Morus alba</i> (murbei, mullberry), <i>Medicago polymorpha</i> (rough medick), <i>Melaleuca quinquenervia</i> (paperbark tree), <i>Melia azedarach</i> (Chinaberry), <i>Melilotus indica</i> (Indian sweetclover), <i>Momordica charantia</i> (paria, bitter gourd), <i>Morus alba</i> (mora), <i>Nerium oleander</i> (oleander), <i>Nicotiana plumbaginifolia</i>, <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Ocimum basilicum</i> (selasih, basil), <i>Orobanche</i> (broomrape), <i>Oxalis corniculata</i> (creeping woodsorrel), <i>Panax</i>, <i>Parthenium</i>, <i>Parthenium</i></p>	
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		<p><i>hysterophorus</i> (parthenium weed), <i>Persicaria glabra</i>, <i>Phoenix dactylifera</i> (kurma, date-palm), <i>Punica granatum</i> (delima, pomegranate), <i>Phyllanthus niruri</i> (meniran, gale of the wind), <i>Physalis</i> (Groundcherry), <i>Physalis alkekengi</i>, <i>Piper betle</i> (sirih, betel pepper), <i>Plumeria rubra</i> var. <i>acutifolia</i> (Mexican <i>frangipani</i>), <i>Polyalthea longifolia</i>, <i>Polygonum barbatum</i> (knot grass), <i>Portulaca grandiflora</i> (krokot mawar, rose moss), <i>Portulaca oleracea</i> (krokot, purslane), <i>Quisqualis indica</i>, <i>Ricinus communis</i> (jarak kepyar, castor bean), <i>Rosa chinensis</i> (China rose), <i>Ruellia squarrosa</i>, <i>Rumex dentatus</i>, <i>Salsola baryosma</i>, <i>Salvadora oleoides</i>, <i>Salvia officinalis</i> (commonsage), <i>Sesamum indicum</i> (wijen, sesame), <i>Sesbania sesban</i> (jayanti), <i>Setcreasea pallida</i>, <i>Sida rhombifolia</i>, <i>Sida urens</i>, <i>Simmondsia chinensis</i> (jojoba), <i>Solanum</i> spp., <i>Solanum</i></p>		
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			<p><i>elaeagnifolium</i> (silverleaf nightshade), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum melongena</i> (terung, aubergine, eggplant), <i>Solanum muricatum</i> (pepino), <i>Solanum nigrum</i> (leunca, black nightshade), <i>Solanum tuberosum</i> (kentang, potato), <i>Solanum virginianum</i> (yellow-shade nightshade), <i>Sonchus oleraceus</i> (tempuyung, common sowthistle), Spermacoce, Suaeda (sea blite), <i>Suaeda nigra</i>, <i>Synsepalum dulcificum</i>, <i>Tabernae Montanadivaricata</i>, <i>Tagetes erecta</i> (African marigold), <i>Taraxacum officinale</i> complex (dandelion), <i>Tecoma stans</i> (yellow bells), <i>Tinospora cordifolia</i> (bratawali, heart-leaved moonseed), <i>Trianthema portulacastrum</i> (horse purslane), <i>Trianthema triquetra</i>, <i>Tribulus terrestris</i> (puncture vine), <i>Trigonella polycerata</i>, <i>Urena lobata</i> (caesar weed), <i>Verbena officinalis</i>, <i>Withania somnifera</i></p>	
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			(poisonous gooseberry), <i>Xanthium strumarium</i> (common cocklebur), <i>Zea mays</i> (jagung, corn, maize), <i>Ziziphus mauritiana</i> (bidara, Indian jujube)		
36.	<i>Phragmataecia castaneae</i> (Hubner); (Syn. <i>Phragmataecia castaneae</i> ); (Lepidoptera: Cossidae); giant stem borer	II	Paspalum, <i>Saccharum robustum</i> (robust cane), <i>Sorghum propineum</i> , <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Saccharum spontaneum</i> (glagah, wild sugarcane)	batang (stems), daun (leaves)	Indonesia: Sumatera Asia: China, Malaysia Europe: Bulgaria, Finland, Italy, Russian Federation
37.	<i>Phragmataecia gummata</i> Swinhoe, 1892; (Syn. <i>Phragmataecia parvipunctus</i> ); (Lepidoptera: Cossidae); giant stem borer	II	<i>Saccharum officinarum</i> (tebu, sugarcane), <i>Saccharum spontaneum</i> (glagah, wild sugarcane)	batang (stems), daun (leaves)	Indonesia: Sumatera, Jawa Asia: Malaysia
38.	<i>Pineus boernerii</i> Annand; (Syn. <i>Pineus pini sensu lato</i> , <i>Anisophleba pini</i> , <i>Aphis pini</i> , <i>Kermaphis pini var. laevis</i> , <i>Kermes pini</i> , <i>Pineus havrylenkoi</i> , <i>Pineus laevis</i> , <i>Pineus pini</i> , <i>Pineus simmondsi</i> , <i>Pineus sylvestris</i> ); (Hemiptera: Adelgidae); pine woolly aphid	II	<i>Pinus canariensis</i> (Canary pine), <i>Pinus caribaea</i> (Caribbean pine), <i>Pinus contorta</i> (lodgepole pine), <i>Pinus elliottii</i> (slash pine), <i>Pinus halepensis</i> (Aleppo pine), <i>Pinus hartwegii</i> (Hartweg pine), <i>Pinus kesiya</i> (khasya pine), <i>Pinus massoniana</i> (masson pine), <i>Pinus maximinoi</i> (thin-leaf pine), <i>Pinus montezumae</i> (montezuma pine), <i>Pinus mugo</i>	batang (stems), kayu (woods)	Indonesia: Kalimantan, Sumatera, Jawa Africa: Ethiopia, Kenya, Malawi, Morocco, South Africa, Tanzania, Uganda, Zambia, Zimbabwe America: Argentina, Brazil, Chile, Colombia, USA Asia: China, Georgia, Israel, Jordan, Kyrgyzstan, Lebanon,



			<p>(mountain pine), <i>Pinus muricata</i> (bishop pine), <i>Pinus oocarpa</i> (ocote pine), <i>Pinus patula</i> (Mexican weeping pine), <i>Pinus pinaster</i> (maritime pine), <i>Pinus pinea</i> (stone pine), <i>Pinus radiata</i> (radiata pine), <i>Pinus resinosa</i> (red pine), <i>Pinus sylvestris</i> (Scots pine), <i>Pinus taiwanensis</i> (Taiwan pine), <i>Pinus teocote</i> (twisted leaf pine), <i>Pinus thunbergii</i> (Japanese black pine), <i>Pinus densiflora</i>, <i>Pinus merkusii</i>, <i>Pinus pungens</i>, <i>Pinus roxburghii</i>, <i>Pinus arizonica</i>, <i>Pinus canariensis</i>, <i>Pinus caribaea</i>, <i>Pinus clausa</i>, <i>Pinus cooperi</i>, <i>Pinus douglasiana</i>, <i>Pinus durangensis</i>, <i>Pinus echinata</i>, <i>Pinus engelmannii</i>, <i>Pinus glabra</i>, <i>Pinus greggii</i>, <i>Pinus hartwegii</i>, <i>Pinus lawsonii</i>, <i>Pinus leiophylla</i>, <i>Pinus maximinoi</i>, <i>Pinus michoacana</i>, <i>Pinus montezumae</i>, <i>Pinus occidentalis</i>, <i>Pinus palustris</i>, <i>Pinus patula</i>, <i>Pinus pinea</i>, <i>Pinus pseudostrobus</i>, <i>Pinus radiata</i>, <i>Pinus rigida</i>, <i>Pinus</i></p>	<p>Malaysia, Pakistan, Taiwan, Turkey Europe: Czech Republic, Finland, France, Germany, Ireland, Italy, Lithuania, Netherlands, Poland, Slovakia, Spain, Sweden, United Kingdom Oceania: Australia, New Zealand</p>
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			<i>serotina, Pinus sylvestris, Pinus taeda, Pinus taiwanensis, Pinus teocote, Pinus virginiana</i> (scrub pine)		
39.	<i>Postelectrotermes militaris</i> (Desneux); (Syn. <i>Calotermes militaris, Neotermes militaris, Termes militaris</i> ); (Isoptera: Kalotermitidae); dry wood termite	II	<i>Acacia decurrens</i> (green wattle), <i>Camellia sinensis</i> (teh, tea), <i>Casuarina equisetifolia</i> (casuarina), <i>Cedrus</i> (cedars), <i>Cinnamomum camphora</i> (kamfer, camphor), <i>Cryptomeria japonica</i> (cedar jepang, japanese cedar), <i>Erythrina subumbrans</i> (dadap serep, december tree), <i>Eucalyptus</i> spp., <i>Eucalyptus robusta</i> (swamp mahogany), <i>Grevillea robusta</i> (silky oak), <i>Stenocarpus salignus</i> (beefwod), <i>Tephrosia vogelii</i> (vogel's tephrosia)	batang (stems), akar (roots)	Indonesia: Jawa Asia: Sri Lanka
40.	<i>Rhabdoscelus obscurus</i> (Boisduval, 1835); (Syn. <i>Calandra obscura</i> Boisduval, <i>Rhabdocnemis fausti</i> Gahan, <i>R. interruptocostatus</i> Schaufuss, <i>R. maculate</i> Schaufuss, <i>R. nudicollis</i> (Kirsch), <i>R. obscura</i> (Boisduval), <i>R. promissus</i> (Pascoe), <i>R. maculatus</i> Schaufuss, <i>Rhabdoscelis obscura</i> Boisduval, <i>Sphenophorus beccarii</i>	II	<i>Areca catechu</i> (pinang, betelnut palm), <i>Arecaceae</i> (plants of the palm family), <i>Cocos nucifera</i> (kelapa, coconut), <i>Carica papaya</i> (pepaya, papaya), <i>Metroxylon sagu</i> (sagu, sago palm), <i>Musa</i> spp. (pisang, banana), <i>Musa x paradisiaca</i> (pisang kepok, plantain), <i>Poaceae</i> (grasses), <i>Saccharum</i>	batang (stems)	Indonesia: Maluku, Papua, Sulawesi, Nusa Tenggara Barat, Sumatera America: USA Asia: China, Japan, Malaysia, Sri Lanka, Taiwan Oceania: American Samoa, Australia, Cook Islands, Christmas Island,

	Pascoe, <i>S. insularis</i> Boheman, <i>S. interruptecostatus</i> Schaufuss, <i>S. nudicollis</i> Kirsch, <i>S. promissus</i> Pascoe, <i>S. sulcipes</i> Karsch, <i>S. tincturatus</i> Pascoe, <i>S. obscurus</i> Boisduval); (Coleoptera: Dryophthoridae); beetle borer, cane weevil borer, New Guinea cane weevil borer, sugarcane weevil borer, New Guinea sugarcane weevil, Hawaiian sugarcane borer, cane weevil borer, New Guinea sugarcane weevil		<i>officinarum</i> (tebu, sugarcane), <i>Strelitzia reginae</i> (Queens bird-of-paradise), <i>Zea mays</i> (jagung, corn, maize)		Federated States of Micronesia, Fiji, French Polynesia, Palau, Guam, Marshall Islands, Nauru, New Caledonia, Niue, Northern Mariana Islands, Papua New Guinea, Samoa, Solomon Islands, Tonga, Vanuatu
41.	<i>Sesamia grisescens</i> Warren, 1911; (Lepidoptera: Noctuidae); sesamia borer, pink sugarcane borer	II	<i>Megathyrsus maximus</i> (Guinea grass), <i>Oryza sativa</i> (padi, paddy, rice), <i>Pennisetum purpureum</i> (rumpit gajah, elephant grass), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Saccharum edule</i> , <i>Saccharum robustum</i> (robust cane), <i>Saccharum spontaneum</i> (wild sugarcane), <i>Zea mays</i> (jagung, corn, maize)	batang (stems)	Indonesia: Papua, Maluku Oceania: Papua New Guinea
42.	<i>Sexava coriacea</i> (Linnaeus, 1758); (Orthoptera: Tettigoniidae); belalang sexava, sexava grasshopper	II	<i>Asplenium nidus</i> (kadaka, bird's nest fern), <i>Arenga pinnata</i> (aren, sugar palm), <i>Areca catechu</i> (pinang, betelnut palm), <i>Cocos nucifera</i> (kelapa, coconut), <i>Musa</i> spp. (pisang, banana), <i>Metroxylon sagu</i>	buah (fruits), tanaman (plants), daun (leaves), rimpang (rhizomes), sabut, tanah	Indonesia: Sulawesi, Kep. Sangihe, Talaud, Kep. Banggai, Maluku, Maluku Utara, Papua

			(sagu, sago palm), Orchidaceae (anggrek, orchids), <i>Pandanus</i> spp. (pandan), <i>Salacca edulis</i> (salak, snakefruit), <i>Zingiber officinale</i> (jahe, ginger)	(soil)	
43.	<i>Sexava karnyi</i> Leefmans, 1927; (Orthoptera: Tettigoniidae); belalang sexava, sexava grasshopper	II	<i>Asplenium nidus</i> (kadaka, bird's nest fern), <i>Arenga pinnata</i> (aren, sugar palm), <i>Areca catechu</i> (pinang, betelnut palm), <i>Cocos nucifera</i> (kelapa, coconut), <i>Musa</i> spp. (pisang, banana), <i>Metroxylon sagu</i> (sagu, sago palm), Orchidaceae (anggrek, orchids), <i>Pandanus</i> spp. (pandan), <i>Salacca edulis</i> (salak, snakefruit), <i>Zingiber officinale</i> (jahe, ginger)	tanaman (plants), buah (fruits), daun (leaves), rimpang (rhizomes), sabut, tanah (soil)	Indonesia: Sulawesi (Sulawesi Tengah: Kepulauan Togean)
44.	<i>Sexava nubila</i> (Stal); (Orthoptera: Tettigoniidae); belalang sexava, sexava grass hopper, coconut treehopper	II	<i>Asplenium nidus</i> (kadaka, bird's nest fern), <i>Arenga pinnata</i> (aren, sugar palm), <i>Areca catechu</i> (pinang, betelnut palm), <i>Cocos nucifera</i> (kelapa, coconut), <i>Musa</i> spp. (pisang, banana), <i>Metroxylon sagu</i> (sagu, sago palm), Orchidaceae (anggrek, orchids), <i>Pandanus</i> spp. (pandan), <i>Salacca edulis</i> (salak, snakefruit), <i>Zingiber officinale</i> (jahe, ginger)	tanaman (plant), buah (fruits), daun (leaves), rimpang (rhizomes), sabut, tanah (soil)	Indonesia: Sulawesi (Sulawesi Utara), Kepulauan Sangihe dan Talaud, Maluku (Seram, Buru), Biak, Papua Oceania: Papua New Guinea
45.	<i>Thosea monoloncha</i> (Meyrick);	II	<i>Cocos nucifera</i> (kelapa,	daun (leaves),	Indonesia: Sulawesi,

	(Syn. <i>Thosea moluccana</i> ); (Lepidoptera: Limacodidae)		coconut), <i>Elaeis guineensis</i> (kelapa sawit, oil palm)	tanah (soil), media tanam (growing media), batang (stem), bunga (inflouescences)	Papua, Sumatera, Maluku, Maluku Utara Asia: Philippines Oceania: Papua New Guinea
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2. TUNGAU (MITES)

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
1.	<i>Brevipalpus californicus</i> (Banks, 1904); (Syn. <i>Brevipalpus australis</i> Baker, 1949, <i>B. browningi</i> Baker, 1949, <i>B.</i> <i>Confusis</i> Baker, 1949, <i>B. woglumi</i> McGregor, 1949, <i>Hystripalpus</i> <i>californicus</i> Mitrofanov & Strunkova, 1979, <i>Tenuipalpus australis</i> Tucker, 1926, <i>T. californicus</i> Banks, 1904, <i>T.</i> <i>Vitis</i> Womersley, 1940); (Acari: Tenuipalpidae); citrus flat mite, red flat mite, scarlet	II	<i>Abelmoschus esculentus</i> (okra, lady's finger), <i>Camellia sinensis</i> (teh, tea), <i>Chenopodium</i> <i>ambrosioides</i> , <i>Cinnamomum</i> <i>burmanii</i> (kayu manis, cassiavera, cinnamon), <i>Citharexylum quadrangulare</i> , <i>Citrus</i> spp. (jeruk, orange), Cucurbita, <i>Cymbidium</i> , Dendrobium, <i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Lablab</i>	buah (fruits), daun (leaves), batang (stems), bagian tanaman di atas tanah	Indonesia: Nusa Tenggara Barat (Lombok), Kalimantan (Kalimantan Timur), Sumatera (Sumatera Barat) Africa: Algeria, Angola, Congo, Egypt, Libya, Mauritania, Mozambique, Reunion, Senegal, South Africa, Zimbabwe America: Brazil, Costa

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	mite of tea, bunch mite, false spider mite		<i>purpureus</i> , <i>Musa</i> spp. (pisang, banana), <i>Phalaenopsis</i> , <i>Psidium guajava</i> (jambu biji, guava), <i>Pittosporum</i> , <i>Rhododendron</i> , <i>Robinia</i> , <i>Schinus terebinthifolius</i> , <i>Sesbania sesban</i> , <i>Solanum</i> spp., <i>Tetragonia tetragonioides</i> , <i>Vigna sinensis</i> (buncis, common bean), <i>Vitis vinifera</i> (anggur, grapevine)		Rica, Cuba, Guyana, Honduras, Mexico, USA Asia: Georgia, India, Israel, Japan, Malaysia, Mauritania, Nepal, Philippines, Sri Lanka, Tajikistan, Thailand Europe: Cyprus, Greece, Hungary, Italy, Portugal, Russian Federation Oceania: Australia, Guam, New Zealand, Papua New Guinea
2.	<i>Calacarus carinatus</i> (Green 1890) Keifer, 1955; (Syn. <i>Calacarus adornatus</i> (Keifer), 1952, <i>Eriophyes carinatus</i> (Green) Nalepa, 1929, <i>Phylocoptes carinatus</i> , <i>Phytoptus carinatus</i> , <i>Typhlodromus carinatus</i> ) (Acari: Eriophyidae); purple mite, purple tea mite, ribbed tea mite	II	<i>Camellia japonica</i> , <i>Camellia sinensis</i> (teh, tea), <i>Capsicum</i> spp., <i>Viburnum</i> spp.	daun (leaves), bagian tanaman di atas tanah	Indonesia: Jawa, Sumatera, Nusa Tenggara Barat (Lombok) Africa: Kenya, Mauritius America: USA Asia: Cambodia, China, India, Georgia, Japan, Lao PDR (Laos), Malaysia, Republic of Korea (South Korea), Sri Lanka, Taiwan, Vietnam

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
					Europe: Spain Oceania: Australia, New Zealand
3.	<i>Eutetranychus orientalis</i> Klein; (Syn. <i>Anychus latus</i> , <i>A. Orientalis</i> , <i>A.ricini</i> , <i>Eutetranychus anneckeii</i> Meyer, <i>E. Latus</i> , <i>E. monodi</i> Andre, <i>E. sudanicus</i> Elbadry); (Acari: Tetranychidae); citrus brown mite, oriental mite, oriental red mite, oriental spider mite	II	<i>Abelmoschus esculentus</i> (okra, lady's finger), <i>Caladium spp.</i> (keladi), <i>Carica papaya</i> (pepaya, papaya), <i>Citrus sp.</i> (jeruk, orange), <i>Codiaeum variegatum</i> , <i>Ficus carica</i> (ara, fig), <i>Gossypium barbadens</i> (kapas, cotton), <i>Manihot esculenta</i> (ubi kayu, cassava), <i>Musa paradisiaca</i> (pisang kepok, plantain), <i>Morus alba</i> (murbei, mulberry), <i>Nephelium lappaceum</i> (rambutan, rambutan), <i>Olea europea</i> subsp. <i>europea</i> (zaitun, olive), <i>Phaleria macrocarpa</i> (mahkota dewa), <i>Prunus amygdalus</i> (almon, badam, almond), <i>Psidium guajava</i> (jambu biji, guava), <i>Plumeria</i> , <i>Ricinus communis</i> (jarak kepyar, castor	daun (leaves), bagian tanaman di atas tanah	Indonesia: Sumatera, Jawa (Jawa Barat) Africa: Cape Verde, Egypt, Ethiopia, Kenya, Libya, Malawi, Mali, Mauritania, Morocco, Mozambique, Nigeria, Senegal, South Africa, Sudan, Swaziland Asia: Afghanistan, Bangladesh, China, India, Iran, Iraq, Israel, Japan, Jordan, Kuwait, Lebanon, Malaysia, Pakistan, Saudi Arabia, Thailand, Turkey, Yemen Europe: Cyprus, Greece, Spain Oceania: Australia

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			bean), <i>Solanum melongena</i> (terung, aubergine, eggplant)		
4.	<i>Oligonychus coffeae</i> (Nietner); (Syn. <i>Acarus coffeae</i> Nietner, <i>Matatetranychus bioculatus</i> (Wood-Mason), <i>Oligonychus bioculatus</i> , <i>O. merwei</i> Tucker, <i>Paratetranychus bioculatus</i> , <i>P. terminalis</i> Sayed, <i>Tetranychus bioculatus</i> Wood-Mason) (Acari: Tetranychidae); tea red spider mite, red coffee mite	II	<i>Anacardium occidentale</i> (jambu mete, cashew-nut), <i>Camellia sinensis</i> (teh, tea), <i>Coffea</i> spp. (kopi, coffee), <i>Coffea arabica</i> (kopi arabika, arabica coffee), <i>Citrus</i> sp. (jeruk, orange), <i>Cinnamomum camphora</i> , <i>Corchorus capsularis</i> , <i>Elaeis guineensis</i> (kelapa sawit, oil palm), <i>Eucalyptus globulus</i> , <i>Gossypium</i> , <i>Hevea brasiliensis</i> (karet, rubber tree), <i>Indigofera</i> , <i>Lagerstroemia</i> , <i>Manihot esculenta</i> (ubi kayu, cassava), <i>Mangifera indica</i> (mangga, mango), <i>Morus alba</i> (murbei, mulberry), <i>Ricinus communis</i> (jarak kepyar, castor bean), <i>Terminalia catappa</i> (ketapang, Indian almond), <i>Vigna mungo</i> , <i>Vitis vinifera</i> (anggur grapevine)	daun (leaves), tanaman (whole plant)	Indonesia: Jawa, Sumatera Africa: Congo, DR Congo, Egypt, Ethiopia, Kenya, Malawi, Mauritius, South Africa, Tanzania America: Colombia, Costa Rica, Ecuador, USA Asia: Bangladesh, China, Georgia, India, Japan, Myanmar, Pakistan, Philippines, Sri Lanka, Taiwan, Thailand, Vietnam Europe: Russian Federation Oceania: Australia



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
5.	<i>Phyllocoptruta oleivora</i> (Ashmead); (Syn. <i>Ariphytes oleivorus</i> , <i>Phyllocoptes oleivorus</i> , <i>Phyllocoptrata oleivorus</i> , <i>Typhidromus oleivorus</i> ); (Acari: Eriophyidae); citrus rust mite, buckskin, mite lemons	II	<i>Citrus</i> spp. (jeruk, orange), <i>Citrus aurantiifolia</i> (lime), <i>Citrus aurantium</i> (sour orange), <i>Citrus limon</i> (lemon), <i>Citrus maxima</i> (pummelo), <i>Citrus reticulata</i> (mandarin), <i>Citrus sinensis</i> (navel orange), <i>Clausena lansium</i> (wampi), Fortunella (kumquats)	daun (leaves), buah (fruits), batang (stems)	Indonesia: Jawa, Kalimantan (Kalimantan Barat), Sumatera (Sumatera Utara, Bengkulu), Batam, Nusa Tenggara Barat (Lombok) Africa: Angola, Congo, Kenya, Madagascar, Malawi, Mauritania, Mauritius, Mozambique, Nigeria, Senegal, South Africa, Tanzania, Uganda, Zambia America: Argentina, Bermuda, Brazil, Chile, Colombia, Costa Rica, Cuba, Ecuador, Guatemala, Jamaica, Mexico, Peru, Puerto Rico, Trinidad and Tobago, USA, Uruguay, Venezuela Asia: China, India, Iran, Israel, Japan, Jordan, Lebanon, Malaysia,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
					Philippines, Syria, Taiwan, Thailand, Turkey, Vietnam Europe: Bosnia and Herzegovina, Croatia, Cyprus, Italy, Malta, Montenegro, North Macedonia, Serbia, Slovenia Oceania: Australia, Cook Islands, Fiji, New Zealand
6.	<i>Raoiella indica</i> Hirst (1924); (Acari: Tenuipalpidae); red palm mite, coconut mite, frond crimson mite, leaflet false spider mite, red date palm mite, scarlet mite	II	<i>Acer</i> (maple), <i>Acoelorrhaphe wrightii</i> , <i>Adonidia arecina</i> , <i>Aiphanes minima</i> , <i>Aplinia purpurata</i> (red ginger), <i>Alpinia vittata</i> , <i>Alpinia zerumbet</i> , <i>Archontophoenix alexandrae</i> , <i>Areca catechu</i> (pinang, betelnut palm), <i>Arecaceae</i> , <i>Arenga pinnata</i> (aren, sugar palm), <i>Bactris plumeriana</i> , <i>Beccariophoenix madagascariensis</i> , <i>Bismarckia nobilis</i> , <i>Butia capitata</i> , <i>Calathea arundinacea</i>	daun (leaves), bagian tanaman di atas tanah	Indonesia: Jawa, Kalimantan, Nusa Tenggara Barat (Lombok), Tarakan, Sulawesi (Sulawesi Tenggara), Flores, Maluku Utara (Ternate) Africa: Benin, Egypt, Mauritius, Namibia, Reunion, South Africa, Sudan, Tanzania America: Barbados, Brazil, Colombia, Cuba, Dominica, Dominican

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<p>(variegated calatea), <i>Calathea lutea</i> (calathea), <i>Caryota mitis</i>, <i>Chamaedorea</i>, <i>Coccothrinax argentata</i>, <i>Coccothrinax mitaguama</i>, <i>Corypha umbtaculifera</i>, <i>Curcuma longa</i> (kunyit, turmeric), <i>Cycas</i>, <i>Cyrtostachys renda</i>, <i>Cocos nucifera</i> (kelapa, coconut), <i>Dictyosperma album</i>, <i>Dyopsis decaryi</i>, <i>Dyopsis lutescens</i>, <i>Elaeodendron transvaalense</i>, <i>Ettingera elatior</i>, <i>Eucalyptus deglupta</i>, <i>Eugenia uniflora</i>, <i>Heliconia</i> spp. (flower banana), <i>Latania lontaroides</i>, <i>Licuala grandis</i>, <i>Licualaspinosa</i>, <i>Livistonia chinensis</i>, <i>Microcycas calocoma</i>, <i>Musa</i> spp. (pisang, banana), <i>Ocimum basilicum</i>, <i>Pandanus utilis</i>, <i>Phaseolus</i>, <i>Phoenix canariensis</i>, <i>Phoenix dactylifera</i> (kurma, date palm), <i>Phoenix reclinata</i>, <i>Phoenix</i></p>		<p>Republic, Grenada, Guadeloupe, Haiti, Jamaica, Martinique, Mexico, Puerto Rico, Saint Lucia, Saint Vincent and the Grenadines, United States Virgin Island, Venezuela Asia: India, Iran, Oman, Pakistan, Philippines, Saudi Arabia, Sri Lanka, Thailand, United Arab Emirates</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
			<p><i>roebelenii</i>, <i>Phoenix rupicola</i>, <i>Pritchardia pacifica</i>, <i>Pritchardia</i> <i>vuylestekeana</i>, <i>Pseudophoenix</i> <i>vinifera</i>, <i>Ptychosperma elegans</i>, <i>Ptychosperma macarrthuri</i>, <i>Ravenala madagascariensis</i>, <i>Renealmia alpinia</i>, <i>Renealmia</i> <i>aurantifera</i>, <i>Rhapis excelsa</i>, <i>Roystonea borinquena</i>, <i>Sabal</i> <i>black burniana</i>, <i>Sabal</i> <i>mauritiformis</i>, <i>Schippia</i> <i>concolor</i>, <i>Strelitzia reginae</i>, <i>Syagrus romanzoffianum</i>, <i>Syagrus schizophylla</i>, <i>Thrinax</i> <i>radiata</i>, <i>Veitchia arecina</i>, <i>Veitchia merrillii</i>, <i>Washingtonia</i> <i>filifera</i>, <i>Washingtonia robusta</i>, <i>Wodyetia bifurcata</i>, <i>Zingiber</i> <i>officinale</i> (jahe, ginger)</p>		
7.	<p><i>Tenuipalpus orchidarum</i> Parfitt; (Acari: Tenuipalpidae); red mite of orchid</p>	II	Orchidaceae (anggrek, orchids)	tanaman (whole plant)	Indonesia: Jawa

3. KEONG (SNAILS)

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
1.	<i>Pila polita</i> Jeshayes; (Syn. <i>Ampularia pagoda</i> ); Ampullariidae; apple snail	II	<i>Oryza sativa</i> (padi, paddy, rice), tumbuhan air tawar (aquatic plants)	media tanam (growing media associated with plants) tumbuhan dan/atau bagian- bagiannya (plant and part of plant)	Indonesia: Jawa (Jawa Timur), Sumatera Asia: China, India, Cambodia, Thailand
2.	<i>Pomacea insularum</i> ; Ampullariidae; island apple snail	II	Tumbuhan air (aquatic plants), berbagai tipe vegetasi tanaman	media tanam (growing media associated with plants) tumbuhan dan/atau bagian- bagiannya (plant and part of plant)	Indonesia: Kalimantan America: Argentina, Brazil, Bolivia, Paraguay, Uruguay Asia: Thailand

4. NEMATODA (*NEMATODES*)

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN / GROUP	INANG/ HOST	MEDIA PEMBAWA / PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
1.	<p><i>Aphelenchoides fragariae</i> (Ritzema – Bos, 1891) Christie, 1932; (Syn. <i>Aphelenchoides olesistus</i> (Ritzema Bos, 1893) Steiner, 1932, <i>Aphelenchoides olesistus</i> var. <i>longicollis</i> (Schwartz, 1911) Goodey, 1933, <i>Aphelenchoides pseudolesistus</i> (Goodey, 1928) Goodey, 1933, <i>Aphelenchus fragariae</i> Ritzema Bos, 1891, <i>Aphelenchus olesistus</i> Ritzema Bos, 1893, <i>Aphelenchus olesistus</i> var. <i>longicollis</i> Schwartz, 1911, <i>Aphelenchus pseudolesistus</i> Goodey, 1928); Aphelenchoididae; bud and leaf nematode, fern nematode, strawberry crimp nematode, strawberry spring dwarf nematode</p>	II	<p><i>Ageratum conyzoides</i> (billygoat weed, babadotan), <i>Acalypha lanceolata</i> (pulus hayam), <i>Allium ascalonicum</i> (bawang merah, shallot), <i>Allium cepa</i> (bawang bombai, onion), <i>Allium sativum</i> (bawang putih, garlic), <i>Andrographis paniculata</i> (sambiloto, king of bitter plant), <i>Anigozanthos</i> sp., <i>Anthurium andreanum</i>, <i>Asplenium nidus</i> (bird's-nest fern), <i>Avena sativa</i> (oat, oats), <i>Barleria cristata</i> (philippine violet), <i>Begonia</i> spp., <i>Borreria</i> sp., <i>Capsella bursa-pastoris</i> (shepherd's purse), <i>Chenopodium album</i> (fat hen), <i>Chloranthus spicatus</i>, <i>Cobotium chamissoi</i>, <i>Cornus</i></p>	<p>biji (true seeds, grain), bibit (seedlings, micropropagated plants), buah (fruits), bunga potong (flowers, inflorescences, cones, calyx), daun (leaves), kormus (corms), media tanam yang melekat pada tanaman (growing</p>	<p>Indonesia: Jawa (Banten, DKI Jakarta, Jawa Barat, Jawa Tengah, Jawa Timur), Nusa Tenggara Barat (Mataram), Sulawesi (Sulawesi Selatan), Sumatera (Bengkulu, Sumatera Utara) Africa: Canary Islands America: Canada, Cuba, Mexico, USA Asia: China, India, Israel, Japan, Kyrgyzstan, Republic of Korea (South Korea), Turkey Europe: Belgium, Bulgaria, Denmark, Estonia, France, Germany, Hungary,</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<p><i>canadensis</i> (creeping dogwood), <i>Erigeron annuus</i> (annual fleabane), <i>Eriobotrya japonica</i> (loquat), <i>Ficus carica</i> (ara, fig), <i>Ficus elastica</i> (rubber plant), <i>Ficus macrophylla</i> (moreton Bay fig), <i>Fragaria ananassa</i> (stroberi, strawberry), <i>Helianthus tuberosus</i> (Jerusalem artichoke), <i>Hibiscus rosa-sinensis</i> (kembang sepatu, china-rose), <i>Hosta</i> spp., <i>Hydrangea macrophylla</i> (French hydrangea), <i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Lamium maculatum</i> (spotted deadnettle), <i>Lilium</i> spp., <i>Lindernia</i> sp. (gulma daun sirih), <i>Maranta leuconeura</i> (banded arrowroot), <i>Osmunda regalis</i>, <i>Oxalys sepium</i> (calincing), Peony, <i>Pimpinella diversifolia</i>,</p>	<p>media associated with plants), rhizom (rhizomes), sisa tanaman yang terinfeksi (infected plants debris), stek (cuttings), stolon (stolons), tanah (soil), umbi (bulbs, tubers)</p>	<p>Ireland, Italy, Latvia, Moldova, Netherlands, Norway, Poland, Portugal, Russian Federation, Slovakia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand, Papua New Guinea</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<p><i>Polygonum blumei</i> (tufted knotweed (USA)), <i>Pteris</i> spp., <i>Primula</i> sp., <i>Prunus persica</i> (persik, peach), <i>Pleocnemia</i> sp., <i>Psychotria nervosa</i>, <i>Pteris</i> spp., <i>Rhododendron</i> spp. (azaleas), <i>Rhododendron simsii</i> (sim's azalea), <i>Rorippa atrovirens</i>, <i>Ruscus hypophyllum</i>, <i>Saintpaulia ionantha</i> (african violet), <i>Saxifraga</i> spp. (saxifrage), <i>Senecio vulgaris</i>, <i>Solanum nigrum</i> (leunca, black nightshade), <i>Stellaria media</i> (common chickweed), <i>Tolmiea menziesii</i> (pick-a-back plant), <i>Veronica arvensis</i> (corn speedwell), <i>Viola odorata</i> (english violet), Western Sword-fern, <i>Wulfenia carinthiaca</i></p>		
2.	<i>Ditylenchus angustus</i> (Butler, 1913) Filipjev, 1936;	II	<i>Echinochloa colona</i> (junglerice), <i>Leersia hexandra</i>	batang (stems (above	Indonesia: Jawa, Kalimantan (Kalimantan



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	(Syn. <i>Anguillulina angusta</i> (Butler, 1913) Goodey, 1932, <i>Tylenchus angustus</i> Butler, 1913); Anguinidae; rice stem nematode, ufra disease		(southern cut grass), <i>Oryza</i> (rice (generic level)), <i>Oryza sativa</i> (padi, paddy, rice), <i>Sacciolepsis interrupta</i>	ground), shoots, trunks, branches), biji baru panen (newly harvested true seeds, grain), bibit seedlings, micropropagated plants), bunga (flowers, inflorescences, cones, calyx), buah (fruit, pods), daun (leaves), jerami (straw), malai (panicles), tanah (soil)	Selatan) Asia: Bangladesh, India, Malaysia, Myanmar, Philippines, Thailand, Vietnam
3.	<i>Globodera rostochiensis</i> (Wollenweber,	I	<i>Datura stramonium</i>	akar (roots),	Indonesia: Jawa (Jawa

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	<p>1923) Skarbilovich, 1959; (Syn. <i>Globodera rostochiensis</i> (Wollenweber, 1923) Behrens, 1975, <i>Heterodera (Globodera) rostochiensis</i> Wollenweber, 1923 (Skarbilovich, 1959), <i>Heterodera rostochiensis</i> Wollenweber, 1923, <i>Heterodera</i> <i>schachtii rostochiensis</i> Wollenweber, 1923, <i>Heterodera schachtii solani</i> Zimmerman, 1927); Heteroderidae; nematoda sista (kentang)/golden cyst nematode, potato golden nematode, yellow potato cyst nematode</p>		<p>(jimsonweed), <i>Lycopersicon</i> <i>pimpinellifolium</i> (currant tomato), <i>Solanum</i> (nightshade), <i>Solanum</i> <i>aviculare</i> (kangaroo apple), <i>Solanum gilo</i> (gilo), <i>Solanum</i> <i>indicum</i> (indian nightshade), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum marginatum</i> (white-edged nightshade), <i>Solanum mauritianum</i> (tree tobacco), <i>Solanum melongena</i> (terung, eggplant), <i>Solanum</i> <i>nigrum</i> (leunca, black nightshade), <i>Solanum</i> <i>quitoense</i> (narangillo), <i>Solanum sarrachoides</i> (green nightshade, <i>Solanum</i> <i>tuberosum</i> (kentang, potato)</p>	<p>bibit (seedlings, micropropaga ted plants), media tanam yang melekat pada tanaman (growing media associated with plants), tanah (soil), umbi (bulbs, tubers, corms, rhizomes)</p>	<p>Barat, Jawa Tengah, Jawa Timur) Africa: Algeria, Canary Island, Egypt, Kenya, Libya, Sierra Leone, South Africa, Tunisia America: Bolivia, Canada, Chile, Colombia, Ecuador, Mexico, Panama, Peru, USA, Venezuela Asia: Armenia, Georgia, India, Iran, Japan, Lebanon, Oman, Pakistan, Philippines, Sri Lanka, Tajikistan, Turkey Europe: Albania, Austria, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Faroe Islands, Finland, France, Germany, Greece,</p>

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					Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand, Norfolk Island
4.	<i>Hemicriconemoides mangiferae</i> Siddiqi, 1961; (Syn. <i>Hemicriconemoides birchfieldi</i> Edward et al., 1965); Criconematidae; ring nematode	II	Alnus (alders), <i>Anacardium occidentale</i> (cashew nut), <i>Ananas comosus</i> (nanas, pineapple), <i>Artocarpus heterophyllus</i> (nangka, jackfruit), <i>Artocarpus integer</i> (cempedak, champedak), <i>Bambusa vulgaris</i> (bambu, common bamboo), <i>Carica papaya</i> (pepaya, papaya), <i>Citrus</i> spp., <i>Cocos nucifera</i>	akar (roots), bibit (seedlings, micropropagated plants), kormus (corms), media tanam yang melekat pada tanaman	Indonesia: Jawa Africa: Egypt, Ghana, Ivory Coast, Nigeria, South Africa, Sudan America: Brazil, Costa Rica, Cuba, Dominica, Ecuador, Grenada, Mexico, Peru, Saint Kitts and Nevis, Saint Lucia, Trinidad and Tobago, USA, Venezuela

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			(kelapa, coconut), <i>Dimocarpus longan</i> (longan tree), <i>Eriobotrya japonica</i> (loquat), <i>Gossypium hirsutum</i> (bourbon cotton), <i>Grewia asiatica</i> (phalsa), <i>Litchi chinensis</i> (lichi), <i>Mangifera indica</i> (mangga, mango), <i>Manihot esculenta</i> (ubi kayu, cassava), <i>Manilkara zapota</i> (sawo, sapodilla), <i>Musa</i> spp. (pisang, banana), <i>Musa x paradisiaca</i> (plantain), <i>Nephelium litchii</i> (leci, lychee), <i>Persea americana</i> (avokad, avocado), <i>Phoenix dactylifera</i> (kurma, date-palm), Piper (pepper), <i>Prunus armeniaca</i> (aprikot, apricot), <i>Psidium guajava</i> (jambu biji, guava), Poacea (rumput-rumputan), Rosa (mawar, roses), <i>Saccharum officinarum</i> (tebu, sugarcane), Salix (willow), <i>Theobroma</i>	(growing media associated with plants), tanah (soil)	Asia: Bangladesh, Brunei Darussalam, China, India, Iran, Israel, Oman, Pakistan, Philippines, Republic of Korea (South Korea), Saudi Arabia, Thailand, Vietnam Oceania: American Samoa, Fiji, New Caledonia, Papua New Guinea, Samoa, Tonga

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<i>cacao</i> (kakao, cocoa), <i>Umbellularia californica</i> (California laurel), <i>Vitis vinifera</i> (anggur, grapevine), <i>Zea mays</i> (jagung, corn, maize)		
5.	<i>Heterodera glycines</i> Ichinohe, 1952; Heteroderidae; soyabean cyst nematode	I	<i>Aeschynomene indica</i> (Indian jointvetch), <i>Beta vulgaris</i> (bit, beetroot), <i>Cajanus cajan</i> (kacang gude, pigeon pea), Fabaceae (kacang-kacangan, leguminous plants), <i>Geranium</i> (cranesbill), <i>Glycine</i> , <i>Glycine max</i> (kedelai, soyabean), <i>Kummerowia striata</i> (Japanese lespedeza), <i>Lamium amplexicaule</i> (henbit deadnettle), <i>Lamium purpureum</i> (purple deadnettel), <i>Lespedeza cuneata</i> (sericea lespedeza), <i>Lespedeza juncea</i> var. <i>sericea</i> (sericea lespedeza), <i>Lupinus</i> (lupins), <i>Lupinus albus</i> (white	akar (roots), batang (stems (above ground), shoots, trunks, branches), bibit (seedlings, micropropaga ted plants), biji (true seeds, grain), media tanam yang melekat pada tanaman (growing	Indonesia: Jawa, Sumatera (Lampung) Africa: Egypt America: Argentina, Brazil, Canada, Colombia, Ecuador, Paraguay, Puerto Rico, USA Asia: China, DPR Korea (North Korea), India, Iran, Japan, Mongolia, Republic of Korea (South Korea) Europe: Italy, Russian Federation

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			lupine), <i>Nicotiana tabacum</i> (tembakau, tobacco), Penstemon, <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Pisum sativum</i> (kapri, sweet pea), <i>Pelargonium</i> sp. (geranium), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Sesbania exaltata</i> (coffeebean (USA)), <i>Stellaria media</i> (common chickweed), <i>Verbascum thapsus</i> (Aaron's-rod), <i>Vicia villosa</i> , <i>Vigna aconitifolia</i> (moth beans), <i>Vigna angularis</i> (adzuki bean), <i>Vigna mungo</i> (black gram), <i>Vigna radiata</i> (kacang hijau, mungbean)	media associated with plants), tanah (soil), umbi (bulbs, tubers, corms, rhizomes)	
6.	<i>Macroposthonia onoensis</i> ; Criconeematidae; ring nematode	II	Citrus, <i>Mangifera indica</i> (mangga, mango), <i>Syzygium aromaticum</i> (cengkeh, clove)	akar (roots), bibit (seedlings, micropropagated plants), media tanam	Indonesia: Jawa, Sumatera (Sumatera Selatan, Lampung) America: Trinidad and Tobago Asia: India

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/ HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
				yang melekat pada tanaman (growing media associated with plants), tanah (soil)	
7.	<i>Meloidogyne graminicola</i> Golden & Birchfield 1965; Meloidogynidae; rice root-knot nematode	II	<i>Allium cepa</i> (bawang bombai, onion), <i>Alopecurus</i> (foxtails), <i>Ammania pentandra</i> , <i>Andropogon</i> (beardgrass), <i>Blumea</i> , <i>Brassica</i> , <i>Brassica oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Cereal</i> , <i>Cynodon dactylon</i> (bermuda grass, rumput bermuda), <i>Cyperus imbricatus</i> (shingle flatsedge), <i>Cyperus procerus</i> , <i>Cyperus pulcherrimus</i> , <i>Cyperus rotundus</i> (purple nutsedge), <i>Digitaria filiformis</i> (slender crabgrass), <i>Echinochloa colona</i> (junglerice), <i>Echinochloa crus-</i>	akar (roots), bibit (seedlings, micropropagated plants), media tanam yang melekat pada tanaman (growing media associated with plants), tanah (soil), umbi (bulbs, tubers,	Indonesia: Jawa (DIY, Jawa Tengah), Papua Africa: Madagascar, South Africa America: Brazil, Colombia, USA Asia: Bangladesh, China, India, Lao PDR (Laos), Malaysia, Myanmar, Nepal, Pakistan, Philippines, Singapore, Sri Lanka, Thailand, Vietnam Europe: Italy

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<p><i>galli</i> (barnyard grass), <i>Eleusine coracana</i> (finger millet), <i>Eleusine indica</i> (goose grass), <i>Fimbristylis complanata</i>, <i>Fimbristylis dichotoma</i> (tall fringe rush), <i>Fimbristylis littoralis</i> (lesser fimbristylis), <i>Fuirena glomerata</i>, <i>Glycine max</i> (kedelai, soyabean), <i>Grangea madrapatensis</i>, <i>Hordeum vulgare</i> (barli, barley), <i>Ischaemum rugosum</i> (saramolla grass), <i>Ludwigia</i> (waterprimrose), <i>Monochoria vaginalis</i> (pickerel weed), Musa (banana), <i>Oryza sativa</i> (padi, paddy, rice), <i>Panicum miliaceum</i> (millet), <i>Panicum repens</i> (torpedo grass), <i>Paspalum scrobiculatum</i> (ricegrass paspalum), <i>Phyllanthus urinaria</i> (leafflower), <i>Poa annua</i></p>	<p>corms, rhizomes)</p>	



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			(annual meadowgrass), Poaceae (grasses), Ranunculus (buttercup), <i>Scirpus articulatus</i> , <i>Sorghum bicolor</i> (sorgum, sorghum), Sphaeranthus, <i>Sphenoclea zeylanica</i> (wedgewort), <i>Triticum aestivum</i> (gandum, wheat), <i>Zea mays</i> (jagung, corn, maize)		
8.	<i>Meloidogyne hapla</i> Chitwood, 1949; Meloidogynidae; northern root-knot nematode	II	<i>Actinidia chinensis</i> (Chinese gooseberry), <i>Ageratina adenophora</i> (Croftonweed), <i>Allium cepa</i> (bawang bombay, onion), <i>Anemone</i> (windflower), <i>Arachis hypogaea</i> (kacang tanah, peanut), <i>Beta vulgaris var. saccharifera</i> (bit gula, sugar beet), <i>Brassica napus var. napus</i> (rape), <i>Brassica oleracea var. capitata</i> (kubis, cabbage), <i>Cajanus cajan</i> (kacang gude, pigeon pea), <i>Camellia sinensis</i> (teh, tea),	akar (roots), polong dalam tanah (pods in the ground), stolon (stolons), tanah (soil), umbi (bulbs, tubers, corms, rhizomes)	Indonesia: Jawa Africa: Algeria, Egypt, Ivory Coast, Kenya, Libya, Malawi, Morocco, Nigeria, South Africa, Tanzania, Uganda, Zimbabwe America: Argentina, Brazil, Canada, Chile, Colombia, Costa Rica, Ecuador, Guatemala, Mexico, Panama, Paraguay, Peru, Uruguay, USA, Venezuela

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<p><i>Capsicum annuum</i> (cabai besar, paprika, bell pepper, hot pepper, red pepper, chili), <i>Chenopodium album</i> (fat hen), <i>Chenopodium quinona</i> (quinona), <i>Chrysanthemum</i> spp. (daisy), <i>Cichorium intybus</i> (chicory), <i>Coffea</i> (kopi, coffee), <i>Convolvulus arvensis</i> (bindweed), <i>Cucumis</i> (melon, melons, cucumbers, gerkins), <i>Cyclamen</i>, <i>Daucus carota</i> (wortel, carrot), <i>Dianthus caryophyllus</i> (anyelir, carnation), <i>Dioscorea batatas</i> (Chinese yam), <i>Eustoma grandiflorum</i> (Lisianthus (cut flower crop)), Fabaceae (kacang-kacangan, leguminous plants), <i>Fragaria ananassa</i> (stroberi, strawberry), <i>Glycine max</i> (kedelai, soyabean), <i>Lactuca sativa</i> (selada, lettuce), <i>Linum</i></p>		<p>Asia: China, India, Iran, Israel, Japan, Kazakhstan, Kyrgyzstan, Malaysia, Mongolia, Pakistan, Philippines, Republic of Korea (South Korea), Sri Lanka, Taiwan, Tajikistan, Thailand, Turkey, Turkmenistan, Uzbekistan Europe: Armenia, Belarus, Belgium, Bulgaria, Bosnia and Herzegovina, Croatia, Czech Republic, Estonia, Finland, France, Germany, Greece, Hungary, Italy, Latvia, Lithuania, North Macedonia, Moldova, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russian</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<p><i>usitatissimum</i> (flax), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Mentha</i> (mints), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Olea europeae</i> subsp. <i>europeae</i> (zaitun, olive), <i>Pelargonium</i> (geranium), <i>Phaseolus</i> (kacang, beans), <i>Raphanus sativus</i> (lobak, radish), <i>Rubus</i> (blackberry, raspberry), <i>Rosa</i> (mawar, rose), <i>Sinapsis alba</i> (white mustard), <i>Solanum</i> (nightshade), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum nigrum</i> (black nightshade), <i>Solanum tuberosum</i> (kentang, potato), <i>Tanacetum cinerariifolium</i> (Phyretum), <i>Trifolium</i> (semanggi, clover), <i>Vicia</i> (vetch), <i>Vitis vinifera</i> (anggur, grapevine)</p>		<p>Federation, Slovakia, Spain, Switzerland, Serbia, Slovenia, Ukraine, United Kingdom Oceania: Australia, New Zealand, Norfolk Island, Papua New Guinea</p>
9.	<i>Pratylenchus brachyurus</i> (Godfrey,	II	<i>Abelmoschus esculentus</i>	akar (roots),	Indonesia: Jawa,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	<p>1929) Filipjev &amp; Schuurmans Stekhoven, 1941; (Syn. <i>Anguillulina (Pratylenchus) brachyura</i> (Godfrey, 1929) Goodey, 1932 (W. Schneider, 1939), <i>Anguillulina brachyura</i> (Godfrey, 1929), Goodey, 1932, <i>Pratylenchus leiocephalus</i> Steiner, 1949, <i>Pratylenchus pratensis</i> Thorne, 1949, <i>Pratylenchus steineri</i> Lordello, Zamith &amp; Boock, 1954, <i>Tylenchus (Chitinotylenchus) brachyurus</i> Godfrey, 1929 (Filipjev, 1934), <i>Tylenchus brachyurus</i> Godfrey, 1929; Pratylenchidae; smooth headed nematode, root lesion nematode</p>		<p>(okra), <i>Acalypha hispida</i> (Copperleaf), <i>Acer rubrum</i> (red maple), <i>Allium cepa</i> (onion), <i>Allium fistulosum</i> (Welsh onion), <i>Anacardium occidentale</i> (cashew nut), <i>Ananas comosus</i> (nanas, pineapple), <i>Arachis hypogea</i> (kacang tanah, peanut), <i>Areca catechu</i> (betelnut palm), <i>Avena sativa</i> (oats), <i>Bambusa vulgaris</i> (common bamboo), <i>Bidens pilosa</i> (blackjack), <i>Cajanus cajan</i> (pigeon pea), <i>Camellia sinensis</i> (teh, tea), <i>Casuarina equisetifolia</i> (casuarina), <i>Cattleya</i>, <i>Chrysanthemum coronarium</i> (garland chrysanthemum), <i>Citrullus</i>, <i>Citrus</i> spp., <i>Cocos nucifera</i> (coconut), <i>Coffea</i> spp. (kopi, coffee), <i>Cucumis melo</i> (melon), <i>Cucumis sativus</i> (cucumber), <i>Cucurbita</i></p>	<p>batang (stems (above ground)), shoots, trunks, branches), bibit (seedlings, micropropagated plants), media tanam yang melekat pada tanaman (growing media associated with plants), polong dalam tanah (pods in the ground), tanah (soil), umbi (bulbs,</p>	<p>Sumatera (NAD, Sumatera Barat) Africa: Benin, Botswana, Cameroon, Egypt, Gambia, Ghana, Guinea, Ivory Coast, Kenya, Madagascar, Malawi, Mauritius, Mozambique, Nigeria, Réunion, Senegal, South Africa, Togo, Uganda, Zambia, Zimbabwe America: Belize, Bolivia, Brazil, Canada, Costa Rica, Colombia, Cuba, French Guiana, Guatemala, Guyana, Hawaii, Honduras, Mexico, Peru, Puerto Rico, Trinidad and Tobago, USA, Venezuela Asia: Afghanistan, Brunei Darussalam, Georgia, India, Iran, Israel, Japan,</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			(pumpkin), <i>Cymbopogon citratus</i> (citronella grass), <i>Dianthus barbatus</i> (sweet williams), <i>Digitaria decumbens</i> (pangolagrass), <i>Dioscorea</i> (yam), <i>Dacryodes edulis</i> (kenari, African pear), Eucalyptus, <i>Eustoma grandiflorum</i> (Lisianthus (cut flower crop)), <i>Feijoa sellowiana</i> (Horn of plenty), <i>Ficus carica</i> (common fig), <i>Fragaria</i> (strawberry), <i>Glycine max</i> (kedelai, soyabean), <i>Gossypium</i> (cotton), <i>Gossypium barbadense</i> (Gallini cotton), <i>Gossypium hirsutum</i> (bourbon cotton), <i>Helianthus annuus</i> (sunflower), <i>Hevea brasiliensis</i> (karet, rubber tree), <i>Hibiscus cannabinus</i> (kenaf), <i>Hordeum vulgare</i> (barley), <i>Hyparrhenia rufa</i> (Jaragua grass),	tubers, corms, rhizomes)	Malaysia, Oman, Pakistan, Philippines, Republic of Korea (South Korea), Singapore, Sri Lanka, Turkey, Uzbekistan, Vietnam Europe: Bulgaria, Cyprus, Italy, Russian Federation Oceania: Australia, Cook Islands, Fiji, Niue, Samoa, Tonga

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<p>Impatiens (balsam), <i>Ipomoea batatas</i> (sweet potato), <i>Leucaena leucocephala</i> (leucaena), <i>Lilium</i> (lily), <i>Liriodendron tulipifera</i> (tuliptree), <i>Macadamia integrifolia</i> (macadamia nut), <i>Mangifera indica</i> (mango), <i>Manihot esculenta</i> (cassava), <i>Mentha piperita</i> (Peppermint), <i>Mucuna pruriens</i> (velvet bean), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Oryza sativa</i> (padi, paddy, rice), <i>Pennisetum purpureum</i> (elephant grass), <i>Persea americana</i> (avokad, avocado), <i>Phaseolus lunatus</i> (lima bean), <i>Phaseolus vulgaris</i> (common bean), <i>Pinus palustris</i> (longleaf pine), Poaceae (grasses), <i>Prunus persica</i> (persik, peach), <i>Rosa multiflora</i> (multiflora rose), <i>Saccharum officinarum</i> (tebu,</p>		

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			sugarcane), <i>Secale cereale</i> (rye), <i>Sesamum indicum</i> (sesame), <i>Setaria italica</i> (foxtail millet), <i>Solanum lycopersicum</i> (tomato), <i>Solanum melongena</i> (aubergine), <i>Solanum torvum</i> (turkey berry), <i>Solanum tuberosum</i> (kentang, potato), <i>Sorghum bicolor</i> (sorghum), <i>Sorghum sudanense</i> (Sudan grass), <i>Syagrus oleracea</i> , <i>Theobroma cacao</i> (kakao, cocoa), <i>Tipuana tipu</i> (tipu tree), <i>Triticum aestivum</i> (wheat), <i>Urochloa decumbens</i> (signal grass), <i>Vanilla</i> , <i>Vigna radiata</i> (mung bean), <i>Vigna unguiculata</i> (cowpea), <i>Vigna cylindrica</i> (kacang panjang, long bean), <i>Zea mays</i> (jagung, corn, maize), <i>Zingiber officinale</i> (ginger)		
10.	<i>Pratylenchus loosi</i> Loof, 1960;	II	<i>Abelmoschus esculentus</i>	akar (roots),	Indonesia: Jawa (Jawa

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	Pratylenchidae; root lesion nematode, meadow nematode, Loos' root lesion nematode		(okra), <i>Abelmoschus moschatus</i> (okra, lady's finger), <i>Acacia decurrens</i> (green wattle), <i>Alternanthera sessilis</i> (sessile joyweed), <i>Artemisia vulgaris</i> (mugwort), <i>Camellia sinensis</i> (teh, tea), <i>Cassia alata</i> (Ringworm senna), <i>Catharanthus roseus</i> (Madagascar periwinkle), <i>Cestrum</i> (jessamine), <i>Cinnamomum camphora</i> (camphor laurel), <i>Citrus</i> spp., <i>Coffea</i> spp. (kopi, coffee), <i>Convallaria</i> spp., <i>Cymbopogon citratus</i> (citronella grass), <i>Cymbopogon nardus</i> , <i>Cyperus</i> , <i>Cyperus rotundus</i> (purple nutsedge), <i>Dioscorea</i> spp. (yam), <i>Dioscorea rotundata</i> , <i>Diospyros kaki</i> (kesemek, persimmon), <i>Dipteryx odorata</i> (tonka bean), <i>Fragaria ananassa</i> (stroberi,	batang (stems (above ground), shoots, trunks, branches), bibit (seedlings, micropropagated plants), daun (leaves), kormus (corms), media tanam yang melekat pada tanaman (growing media associated with plants), stolon (stolons), tanah (soil),	Barat) Africa: Senegal America: Brazil, Chile, Guadeloupe, USA Asia: Bangladesh, China, India, Japan, Iran, Republic of Korea (South Korea), Sri Lanka, Taiwan, Turkey Europe: Bulgaria Oceania: American Samoa, Australia, Cook Islands



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			strawberry), <i>Grevillea robusta</i> (silky oak), <i>Hibiscus rosa-sinensis</i> (China-rose), <i>Imperata cylindrica</i> (cogon grass), <i>Malus domestica</i> (apel, apple), <i>Mangifera indica</i> (mangga, mango), <i>Musa paradisiaca</i> (pisang kepok, plantain), <i>Oplismenus compositus</i> , <i>Panicum repens</i> (torpedo grass), <i>Paspalum notatum</i> (bahiagrass), <i>Pisum sativum</i> (kapri, sweet pea), <i>Poncirus trifoliata</i> (Trifoliate orange), <i>Prunus avium</i> (ceri manis, sweet cherry), <i>Pyrus communis</i> (pir, European pear), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Sesbania cannabina</i> (corkwood tree), <i>Solanum nigrum</i> (leunca, black nightshade), <i>Solanum tuberosum</i> (kentang, potato), <i>Sorghum bicolor</i> (sorgum,	umbi (bulbs, tubers, corms, rhizomes)	

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			sorghum), <i>Tagetes</i> (marigold), <i>Tecoma stans</i> (yellow bells), <i>Tephrosia</i> (hoary-pea), <i>Tithonia diversifolia</i> (Tithonia), <i>Vigna cylindrica</i> (kacang tunggak, long bean), <i>Zea mays</i> (jagung, corn, maize)		

5. GULMA NON-PARASITIK (NON-PARASITIC WEEDS)

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	HABITAT BUDIDAYA/CULTIVATION HABITAT	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
1.	<i>Asystasia gangetica</i> (L.) T. Anderson subsp. <i>micrantha</i> (Nees) Ensermu; (Syn. <i>Asystasia coromandeliana</i> Nees var. <i>micrantha</i> Nees, <i>Asystasia gangetica</i> (L.) T. Anderson);	II	hutan tanaman industri (industrial forest), hortikultura (horticulture), tanaman pangan (food crops), tanaman perkebunan (estate	mengkontami nasi biji, bibit, media tanam (contaminate	Indonesia: Jawa (Jawa Barat, Jawa Tengah), Kalimantan (Kalimantan Barat, Kalimantan Timur), Sumatera

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	HABITAT BUDIDAYA/CULTIVATION HABITAT	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	Acanthaceae; Chinese violet, coromandel, creeping foxglove, Ganges primrose, Philippine violet		crops)	d true seeds (inc. grain), seedlings, growing media associated with plants)	Africa: Angola, Botswana, Cameroon, DR Congo, Ethiopia, Equatorial Guinea, Gambia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Kenya, Liberia, Malawi, Mali, Mozambique, Namibia, Nigeria, Senegal, Sierra Leone, South Africa, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe Asia: India, Malaysia, Singapore, Sri Lanka, Taiwan Oceania: Australia, Guam, Papua New Guinea
2.	<i>Cuphea carthagenensis</i> (Jacq.) J.F.Macbr.; (Syn. <i>Balsamona pinto</i> Vand., <i>Cuphea balsamona</i> Cham. & Schltl., <i>Cuphea divaricata</i> Pohl ex Koehne, <i>Cuphea</i>	II	hutan tanaman industri (industrial forest), hortikultura (horticulture), tanaman pangan (food crops), tanaman perkebunan (estate	mengkontami nasi biji, bibit, media tanam (contaminate	Indonesia: Jawa (Jawa Barat), Sulawesi (Sulawesi Tengah), Sumatera (Jambi, Kepulauan Bangka

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	HABITAT BUDIDAYA/CULTIVATION HABITAT	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	<p><i>elliptica</i> Koehne, <i>Cuphea peplidioides</i> Martel ex Koehne, <i>Cuphea pinto</i> Koehne, <i>Lythrum carthagenense</i> Jacq., <i>Parsonsia balsamona</i> (Cham. &amp; Schltl.) Standl., <i>Parsonsia pinto</i> (Vand.) Heller); Lythraceae; Colombian wackweed, sete sangrias</p>		crops)	d true seeds (inc. grain), seedlings, growing media associated with plants)	<p>Belitung, Lampung, Sumatera Barat) Africa: Cameroon, Guinea America: Argentina, Barbados, Belize, Bolivia, Brazil, Central America, Chile, Colombia, Costa Rica, Dominica, Dominican Republic, Ecuador, El Salvador, French Guiana, Guyana, Guatemala, Honduras, Lesser Antilles, Martinique, Mexico, Nicaragua, Panama, Paraguay, Peru, Puerto Rico, Saint Lucia, Suriname, Trinidad and Tobago, USA, Uruguay, Venezuela Asia: China, India, Japan, Malaysia, Myanmar, Philippines, Singapore, Taiwan, Timor</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	HABITAT BUDIDAYA/CULTIVATION HABITAT	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
					Leste, Oceania: American Samoa, Australia, Federated States of Micronesia, Fiji, French Polynesia, New Caledonia, Northern Mariana Islands, Papua New Guinea, Samoa, Tonga, Vanuatu
3.	<i>Praxelis clematidea</i> (Griseb.) R.M. King & H. Robinson; (Syn. <i>Eupatorium catarium</i> Veldk., <i>Eupatorium clematideum</i> Griseb., <i>Eupatorium urticifolium</i> var. <i>clematideum</i> (Gnseb.) Hieron ex Kuntze, <i>Eupatorium urticifolium</i> var. <i>nanum</i> Hieron. ex Kuntze); Asteraceae; Praxelis	II	hutan tanaman industri (industrial forest), hortikultura (horticulture), tanaman pangan (food crops), tanaman perkebunan (estate crops)	mengkontami nasi biji, bibit, media tanam (contaminate d true seeds (inc. grain), seedlings, growing media associated with plants)	Indonesia: Jawa (Jawa Barat), Sumatera (Jambi, Kepulauan Bangka Belitung, Lampung, Riau, Sumatera Utara), Kalimantan America: Argentina, Bolivia, Brazil, Colombia, Chile, Dominican Republic, Ecuador, French Guiana, Guyana, Paraguay, Peru, Uruguay, Venezuela Asia: China, HongKong,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	HABITAT BUDIDAYA/CULTIVATION HABITAT	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
					Malaysia, Taiwan Oceania: Australia
4.	<p><i>Rivina humilis</i> L.;</p> <p>(Syn. <i>Piercea acuminata</i> Raf., <i>Piercea glabra</i> Mill., <i>Piercea obliquata</i> Raf., <i>Piercea tomentosa</i> Mill., <i>Rivina acuminata</i> Raf., <i>Rivina aurantiaca</i> Warsc. Ex Schenk, <i>Rivina brasiliensis</i> Nocca, <i>Rivina canescens</i> G. Don ex Steud, <i>Rivina gracilis</i> Salisb., <i>Rivina laevis</i> L., <i>Rivina lanceolata</i> Willd., <i>Rivina obliquata</i> Raf., <i>Rivina orientalis</i> Moq., <i>Rivina pallida</i> Salisb., <i>Rivina paraguayensis</i> S.Parodi, <i>Rivina portulacoides</i> Nutt., <i>Rivina procumbens</i> Ruiz ex Moq., <i>Rivina puberula</i> Kunth., <i>Rivina purpurascens</i> Schrad., <i>Rivina tetrandra</i> Desf., <i>Rivina viridiflora</i> Bel., <i>Rivina viridis</i> Schmidt in Meyer, <i>Solanoides laevis</i> (L.) Moench, <i>Solanoides pubescens</i> Moench, <i>Solanoides undulata</i> Moench);</p> <p>Phytolaccaceae;</p>	II	hutan tanaman industri (industrial forest), hortikultura (horticulture), tanaman pangan (food crops), tanaman perkebunan (estate crops)	mengkontami nasi biji, bibit, media tanam (contaminate d true seeds (inc. grain), seedlings, growing media associated with plants)	Indonesia: Bali, Jawa, Sumatera Africa: Cape Verde, Eritrea, Ethiopia, Ivory Coast, Mayotte, Mozambique, Réunion, Seychelles, South Africa, Tanzania, Uganda, Zimbabwe America: Anguilla, Antigua and Barbuda, Argentina, Aruba, Bahamas, Barbados, Belize, Brazil, British Virgin Islands, Bolivia, Caribbean, Central America, Cayman Islands, Colombia, Costa Rica, Cuba, Dominican Republic, El Salvador, Ecuador, French Guiana, Grenada, Guadeloupe,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	HABITAT BUDIDAYA/CULTIVATION HABITAT	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	pigeonberry, rouge plant, baby peppers, bloodberry, coralito				Guatemala, Guyana, Haiti, Honduras, Jamaica, Martinique, Mexico, Montserrat, Netherlands Antilles, Nicaragua, Paraguay, Panama, Peru, Puerto Rico, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, USA, United States Virgin Islands, Uruguay, Venezuela Asia: Chagos Archipelago, China, Christmas Island (Indian Ocean), India, Japan, Philippines, Singapore, Sri Lanka, Taiwan Europe: Germany, Spain, Sweden Oceania: Australia, Cocos

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	HABITAT BUDIDAYA/CULTIVATION HABITAT	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
					Islands, Fiji, French Polynesia, New Caledonia, Norfolk Island, Northern Mariana Islands, Tonga, Tuvalu, Vanuatu

6. CENDAWAN (FUNGAL/ FUNGAL LIKE ORGANISM/ PSEUDOFUNGI)

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
1.	[s]: - [a]: <i>Alternaria cucumerina</i> (Ellis & Everh.) J.A. Elliott, 1917; (Syn. <i>Alternaria brassicae</i> var. <i>nigrescens</i> Peglion, 1892, <i>Alternaria cucumerina</i> var.	II	Cucurbitaceae, <i>Citrullus lanatus</i> (semangka, watermelon), <i>Cucumis melo</i> (melon, melon), <i>Cucurbita maxima</i> (labu, giant pumpkin), <i>Cucurbita moschata</i>	biji (true seeds), buah (fruits), daun (leaves)	Indonesia: Jawa (Jawa Barat) Africa: Egypt, Kenya, Libya, Malawi, Nigeria, Sudan, Zambia, Zimbabwe



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/ HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	<p><i>cucumerina</i> (Ellis &amp; Everh.) J.A. Elliott, 1917, <i>Alternaria cucumerina</i> var. <i>cyamopsidis</i> (Rangaswami &amp; A.V. Rao) E.G. Simmons, 1966, <i>Alternaria cyamopsidis</i> Rangaswami &amp; A.V. Rao, 1957, <i>Alternaria nigrescens</i> (Peglion) Neerg., 1945); Ascomycota, Pezizomycotina, Dothideomycetes, Pleosporales, Pleosporaceae; cucumber blight, brown spot of cucumber, alternaria leaf blight, leaf blight of cucurbits, leaf spot of cucumber</p>		(labu, pumpkin), <i>Cucurbita pepo</i> (labu kuning, zukini, zucchini)		<p>America: Argentina, Canada, Jamaica, USA Asia: Bhutan, India, Oman, Qatar Europe: Cyprus, Italy Oceania: Australia</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
2.	[s]: <i>Balansia oryzae-sativae</i> Hashioka, 1971; (Syn. <i>Balansia oryzae</i> (Syd.) Naras. & Thirum., 1943); [a]: <i>Ephelis oryzae</i> Syd., 1914; (Syn. <i>Ephelis pallida</i> Pat., 1897); Ascomycota, Pezizomycotina, Sordariomycetes, Hypocreales, Clavicipitaceae; black choke, black ring, false ergot, incense rod, sterility disease, udbatta, udbatta disease of Rice	II	<i>Cynodon dactylon</i> (Bermuda grass), <i>Echinochloa crus-galli</i> (barnyard grass), <i>Eragrostis</i> (lovegrasses), <i>Leptochloa</i> <i>chinensis</i> (Chinese sprangletop), <i>Oryza sativa</i> (padi, paddy, rice), <i>Paspalum</i> <i>dilatatum</i> (dallis grass), <i>Paspalum scrobiculatum</i> (ricegrass paspalum), <i>Pennisetum glaucum</i> (pearl millet), <i>Secale cereale</i> (rye), <i>Setaria italica</i> (foxtail millet), <i>Sorghum bicolor</i> (sorghum)	akar (roots), batang (stems (above ground), trunks, branches), biji (true seeds inc. grains), bunga (flowers, inflorescence s, cones, calyx), daun (leaves), tunas (shoots)	Indonesia: Jawa (Jawa Barat, Jawa Tengah), Sumatera (Sumatera Utara, Sumatera Barat, NAD, Jambi) Africa: Ghana, Sierra Leone, Zambia America: USA Asia: Bhutan, China, Hongkong, India, Nepal Oceania: New Caledonia, Vanuatu
3.	[s]: <i>Ceratocystis fimbriata</i> Ellis & Halst., 1890; (Syn. <i>Ceratocystis fimbriata</i> f. <i>fimbriata</i> Ellis & Halst., 1890, <i>Ceratocystis moniliformis</i> f. <i>coffea</i> (Zimm.) C. Moreau, 1954, <i>Ceratostomella fimbriata</i> (Ellis &	I	<i>Acacia decurrens</i> (green wattle), <i>Acacia mangium</i> (brown salwood), <i>Acacia</i> <i>mearnsii</i> (black wattle), <i>Alocasia</i> , <i>Annona</i> , <i>Cajanus</i> <i>cajan</i> (pigeon pea), <i>Camelia</i> <i>sinensis</i> (teh, tea), <i>Carya</i>	akar (roots), batang (stems (above ground), trunks, branches, bibit	Indonesia: Jawa, Kalimantan, Sumatera (NAD, Riau) Africa: DR Congo, Ghana, Ivory Coast, Seychelles, South Africa, Uganda America: Brazil, Canada,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	<p>Halst.) J.A. Elliott, 1923, <i>Ophiostoma coffeae</i> (Zimm.) Arx, 1952, <i>Ophiostoma fimbriatum</i> (Ellis &amp; Halst.) Nannf., 1934, <i>Rostrella coffeae</i> Zimm., 1900); [a]: <i>Chalara</i> sp. (Vujanovic <i>et al.</i> 1999); (Syn. <i>Endoconidiophora fimbriata</i> (Ellis &amp; Halst.) R.W. Davidson, 1935, <i>Endoconidiophora fimbriata</i> f. <i>fimbriata</i> (Ellis &amp; Halst.) R.W. Davidson, 1935, <i>Sphaeronaema fimbriatum</i> (Ellis &amp; Halst.) Sacc., 1892); Ascomycota, Pezizomycotina, Sordariomycetes, Microascales; black rot of sweet potato, blight of mango, cancer of coffee, mouldy rot of rubber, Ceratocystis blight, wilt disease of cocoa, cacao wilt, Ceratostomella wilt, mango blight, black cane rot of syngonium, black cancer of aspen, black rot of sunn</p>		<p><i>cordiformis</i> (bitternut hickory), <i>Cassia javanica</i> (pink shower), Citrus, <i>Citrus aurantium</i> (sour orange), <i>Coffea</i> (coffee), <i>Coffea arabica</i> (arabica coffee), <i>Coffea canephora</i> (robusta coffee), <i>Colocasia esculenta</i> (taro), <i>Cortalaria</i>, <i>Crotalaria juncea</i> (sunn hemp), <i>Daucus carota</i> (carrot), <i>Erythrina</i> spp., Eucalyptus (Eucalyptus tree), Fagus (beeches), <i>Ficus carica</i> (fig), <i>Gmelina arborea</i> (candahar), <i>Hevea brasiliensis</i> (rubber), Hevea, Ipomoea, <i>Ipomoea batatas</i> (sweet potato), <i>Mangifera indica</i> (mango), <i>Manihot esculenta</i> (cassava), Metroxylon, <i>Myristica fragrans</i> (pala), <i>Pimenta dioica</i> (Allspice), Populus (poplars), Prunus (stone fruit), <i>Prunus armeniaca</i> (apricot), <i>Prunus</i></p>	<p>(seedlings), buah (fruits), daun (leaves), kayu (woods), kulit kayu (bark), media tanam (growing media associated with plants), polong (pods), tanaman hasil mikropropagasi (micropropagated plants), tunas (shoots), umbi (bulbs, tubers, corms, rhizomes)</p>	<p>Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Grenada, Guatemala, Guyana, Haiti, Jamaica, Mexico, Nicaragua, Panama, Peru, Puerto Rico, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, Uruguay, USA, Hawaii, Venezuela Asia: Brunei Darussalam, Cambodia, China, DPR Korea (North Korea), India, Japan, Malaysia, Myanmar, Oman, Philippines, Republic of Korea (South Korea), Taiwan, Thailand, Vietnam Europe: France, Italy, Poland, Portugal,</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	hemp, black rot of taro, cancer stain of plane treem Ceratocystis canker, Ceratocystis wilt, mallet cancer, mango wilt, sweet potato black rot, target cancer of aspen		<i>dulcis</i> (almon, badam, almond), <i>Punica granatum</i> (pomegranate), <i>Spathodea campanulata</i> (African tulip tree), <i>Syngonium auritum</i> , <i>Syngonium podophyllum</i> (Arrowhead vine), <i>Theobroma cacao</i> (cocoa), <i>Xanthosoma</i> (cocoyam)		Switzerland, United Kingdom Oceania: American Samoa, Australia, Fiji, New Zealand, Papua New Guinea, Samoa, Solomon Islands
4.	[s]: <i>Diaporthe maydis</i> (Berk.) B. Sutton, 1980; (Syn. <i>Sphaeria maydis</i> Berk. (1847), <i>Sphaeria zae</i> Curr., 1859, <i>Sphaeria zae</i> Schwein. (1832)); [a]: <i>Stenocarpella maydis</i> (Berk) B. Sutton (1980); (Syn. <i>Diplodia maydicola</i> Speg., 1911, <i>Diplodia maydis</i> (Berk.) Ellis & Everh., 1892, <i>Diplodia maydis</i> (Berk.) Sacc., 1884, <i>Diplodia zae</i> Lév., 1848, <i>Diplodia zae-maydis</i> Mekht., 1962, <i>Hendersonia zae</i> (Lév.) Hazsl.	I	Arundinaria (cane), Bambusa, <i>Zea diploperennis</i> , <i>Zea mays</i> (jagung, corn, maize), <i>Zea mays</i> subsp. <i>mays</i> (sweetcorn)	batang (stems), biji (true seeds), bunga (inflorescences), daun (leaves)	Indonesia: Sumatera (Sumatera Utara) Africa: Congo, DR Congo, Ethiopia, Ghana, Kenya, Malawi, Nigeria, South Africa, Swaziland, Tanzania, Zambia, Zimbabwe America: Belize, Brazil, Canada, Honduras, Mexico, USA, Argentina, Brazil, Colombia, Ecuador Asia: China, India, Iran, Japan, South Korea,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	(1872), <i>Macrodiploia zae</i> (Lév.) Petr. & Syd., 1923, <i>Macrodiploia zae</i> var. <i>zae</i> (Lév) Petr. & Syd., 1923, <i>Phaeostagonosporopsis zae</i> (Lév.) Woron. (1925)); Ascomycota, Pezizomycotina, Sordariomycetes, Diaporthales; ear rot of maize, leaf spot of maize, stalk rot of maize, seedling blight of maize, leaf blight of maize, leaf blight of Sorghum spp., leaf spot of grasses, Diplodia ear and stalk rot, white ear rot of maize				Nepal, Pakistan, Taiwan, Thailand Europe: Austria, Bulgaria, Czech Republic, Italy, Montenegro, Serbia, United Kingdom Oceania: Australia, New Zealand
5.	[s]: <i>Diaporthe phaseolorum</i> (Cooke & Ellis) Sacc., 1882; (Syn. <i>Diaporthe aspalathi</i> E. Jansen, Castl. & Crous, 2006, <i>Diaporthe caulivora</i> (Athrow & Caldwell) J.M. Santos, Vrandecic & A.J.L. Phillips, 2011, <i>Diaporthe phaseolorum</i> var. <i>batatae</i> (Harter & E.C. Field) Wehm., 1933, <i>Diaporthe phaseolorum</i> var. <i>caulivora</i> Athrow & Caldwell,	I	<i>Abelmoschus esculentus</i> (okra), <i>Abution theophrasti</i> (velvet leaf), <i>Allium cepa</i> (bawang bombay, onion), <i>Allium sativum</i> (bawang putih, garlic), <i>Amaranthus spinosus</i> (spiny amaranth), <i>Arachis hypogaea</i> (kacang tanah, groundnut), <i>Brachyglottis repanda</i> (rangiora), <i>Capsicum annum</i> (cabai, hot pepper,	batang (stems), biji (true seeds, grains), buah (fruits), daun (leaves), media tanam (growing media associated with plants),	Indonesia: Jawa (Jawa Barat) Africa: Cameroon, Egypt, Malawi, Nigeria, Senegal, Sierra Leone, South Africa, Tanzania America: Argentina, Brazil, Canada, Colombia, Cuba, Ecuador, Guyana, Paraguay, USA,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	<p>1954, <i>Diaporthe phaseolorum</i> var. <i>meridionalis</i> F.A . Fernández, 1996, <i>Diaporthe phaseolorum</i> var. <i>sojae</i> (Lehman) Wehm., 1933, <i>Diaporthe sojae</i> Lehman, 1923, <i>Sphaeria phaseolorum</i> Cooke &amp; Ellis, 1878); [a]: <i>Phomopsis phaseoli</i> (Desm.) Sacc., 1915; (Syn. <i>Chorostate batatas</i> (Harter &amp; E.C. Field) Sacc., 1928, <i>Phoma phaseoli</i> Desm., 1836, <i>Phoma subcircinata</i> Ellis &amp; Everh., 1893, <i>Phomopsis phaseoli</i> var. <i>phaseoli</i> (Desm.) Sacc., 1915, <i>Phomopsis sojae</i> Lehman, 1922, <i>Septomazzantia phaseolorum</i> (Cooke &amp; Ellis) Lar.N. Vassiljeva, 1998); Ascomycota, Pezizomycotina, Sordariomycetes, Diaporthales, Diaporthaceae; lima bean pod blight, leaf spot of</p>		<p>chilies, red pepper), <i>Capsicum frutescens</i> (cabai rawit, chilli), <i>Capsicum</i> sp., <i>Glycine max</i> (kedelai, soybean), <i>Helianthus annuus</i> (bunga matahari, sunflower), <i>Lespedeza</i>, <i>Lupinus</i> spp., <i>Phaseolus lunatus</i> (lima bean), <i>Phaseolus vulgaris</i> (kacang panjang, common bean), <i>Phaseolus</i> spp., <i>Solanum lycopersicum</i> (tomat, tomato), <i>Vicia faba</i> (faba bean), <i>Vigna unguiculata</i> (cowpea)</p>	<p>polong (pods)</p>	<p>Venezuela Asia: China, DPR Korea (North Korea), Georgia, India, Malaysia, Nepal, Republic of Korea (South Korea), Sri Lanka, Taiwan, Thailand Europe: Armenia, Azerbaijan, Bulgaria, Croatia, Czech Republic, France, Hungary, Italy, Moldova, Montenegro, Poland, Romania, Russian Federation, Serbia, Spain Oceania: Australia, New Zealand</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	Lima bean, bean pod blight, bean stem blight, bean stem canker, pod blight of bean, pod blight of lima bean, steam blight of bean, stem canker of bean				
6.	[s]: <i>Diaporthe vexans</i> (Sacc. & P. Syd.) Gratz, 1942; [a]: <i>Phomopsis vexans</i> (Sacc. & P. Syd.) Harter, 1914; (Syn. <i>Ascochyta hortorum</i> (Speg.) C.O. Sm., 1905, <i>Phoma solani</i> Halst., 1892, <i>Phoma vexans</i> Sacc. & P. Syd., 1899, <i>Phyllosticta hortorum</i> Speg., 1881); Ascomycota, Pezizomycotina, Sordariomycetes, Diaporthales, Diaporthaceae; blight of eggplant, Phomopsis rot of eggplant, brown spot of eggplant, fruit rot of eggplant, tip over of eggplant	I	<i>Solanum aculeatissimum</i> , (Dutch-eggplant), <i>Solanum incanum</i> (grey bitter-apple), <i>Solanum melongena</i> (terung, eggplant, aubergine), <i>Solanum nigrum</i> (leunca, black nightshade), <i>solanum torvum</i> (turkey berry), <i>Solanum virginianum</i> (Surattense nightshade)	batang (stems (above ground), trunks, branches), bibit (seedlings), biji (true seeds, grains), buah (fruits), bunga (flowers, inflorescence s, cones, calyx), daun (leaves), media tanam, polong	Indonesia: Jawa (Jawa Barat, Jawa Tengah, Jawa Timur) Africa: Algeria, Egypt, Kenya, Mauritius, Senegal, Seychelles, South Africa, Tanzania, Zambia, Zimbabwe America: Antigua and Barbuda, Argentina, Barbados, Bermuda, Brazil, Canada, Colombia, Costa Rica, Cuba, Dominican Republic, El Savador, Guadeloupe, Guatemala, Guyana, Haiti, Jamaica, Mexico, Panama, Puerto Rico, United States Virgin

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
				(pods), tanaman hasil mikropropag asi (micropropag ated plants), tunas (shoots)	Island, USA, Venezuela Asia: Bangladesh, Brunei Darussalam, China, India, Iran, Irak, Japan, Jordan, Laos, Malaysia, Maldives, Myanmar, Pakistan, Philippines, Republic of Korea (South Korea), Saudi Arabia, Taiwan Europe: Romania Oceania: Australia, Fiji, French Polynesia, Guam, New Caledonia
7.	[s]: <i>Didymella bryoniae</i> (Fuckel) Rehm, 1881; (Syn. <i>Didymella bryoniae</i> var. <i>astragalina</i> Rehm, 1872, <i>Didymella bryoniae</i> var. <i>bryoniae</i> (Fuckel) Rehm, 1881, <i>Didymella effusa</i> (Niessl) Sacc., 1882, <i>Didymella effusa</i> var. <i>aronici</i> Sacc., 1897, <i>Didymella effusa</i> var. <i>effusa</i> (Niessl) Sacc., 1882,	I	Cucurbitaceae, <i>Citrullus vulgaris</i> (semangka, watermelon), <i>Cucumis melo</i> (melon, melon), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Cucurbita</i> spp., <i>Momordica charantia</i> (paria, bitter gourd), <i>Sechium edule</i> (labu siam), <i>Solanum tuberosum</i> (kentang, potato)	batang (stems), biji (true seeds), buah (fruits), daun (leaves), media tanam (growing media associated with plants)	Indonesia: Sumatera (Jambi), Jawa (Jawa Barat) Africa: Ethiopia, Gabon, Kenya, Malawi, Mauritius, Morocco, Nigeria, South Africa, Uganda, Zambia, Zimbabwe America: Argentina,



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	<p><i>Didymella melonis</i> Pass., 1891, <i>Didymosphaeria bryoniae</i> (Auersw.) Niessl, 1875, <i>Didymosphaeria effusa</i> Niessl, 1875, <i>Didymosphaeria melonis</i> Pidopl., 1948, <i>Laestadia</i> <i>cucurbitacearum</i>, (Fr.) Sacc., 1883, <i>Mycosphaerella cucumis</i> (Fautrey &amp; Roum.) W.F. Chiu &amp; J.C. Walker, 1949, <i>Mycosphaerella melonis</i> (Pass.) W.F. Chiu &amp; J.C. walker, 1949, <i>Sphaerella bryoniae</i> Auersw., 1869, <i>Sphaerella citrullina</i> (Chester) Sacc. &amp; Traverso, 1911, <i>Sphaerella cucurbitacearum</i> (Fr.) Cooke, 1883, <i>Sphaeria bryoniae</i> Fuckel, 1870, <i>Sphaeria bryoniae</i> var. <i>bryoniae</i> Fuckel, 1870, <i>Sphaeria cucurbitacearum</i> Fr., 1823); [a]: <i>Stagonospora cucurbitacearum</i> (Fr.) Aveskamp, Gruyter &amp; Verkley, 2010;</p>				<p>Barbados, Belize, Bermuda, Bolivia, Brazil, Canada, Chile, Costa Rica, Cuba, Dominica, El Salvador, Jamaica, Mexico, Nicaragua, Peru, Puerto Rico, Trinidad and Tobago, USA Asia: Bangladesh, Brunei Darussalam, China, India, Iraq, Israel, Japan, Laos, Malaysia, Myanmar, Pakistan, Philippines, Republic of Korea (South Korea), Sri Lanka, Taiwan, Thailand Europe: Austria, Bulgaria, Czech Republic, Denmark, France, Germany, Greece, Ireland, Italy, Netherlands, Norway, Poland, Romania, Russian Federation,</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/ HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	<p>(Syn. <i>Ascochyta citrullina</i> (Chester) C.O. Sm., 1905, <i>Ascochyta cucumis</i> Fautrey Roum., 1891, <i>Ascochyta melonis</i> Potebnia, 1910, <i>Cercidospora bryoniae</i> (Fuckel) Kuntze, 1898, <i>Cercidospora effusa</i> (Niessl) Kuntze, 1898, <i>Cercidospora melonis</i> (pass.) Kuntze, 1898, <i>Cercospora citrullina</i> Cooke, 1883, <i>Cercospora citrullina</i> var. <i>citrullina</i> Cooke, 1883, <i>Cercospora citrullina</i> var. <i>trichosanthis-anguinae</i> Rangaswami &amp; Chandras., 1962, <i>Cercospora cucurbitae</i> Ellis &amp; Everh., 1888, <i>Diplodia citrullina</i> (Chester) Grossenb., 1909, <i>Phoma cucurbitacearum</i> (Fr.) sacc., 1884, <i>Phoma cucurbitacearum</i> f. <i>cucurbitacearum</i> (Fr.) Sacc., 1884, <i>Phoma cucurbitacearum</i> f. <i>trichosanthis</i> sacc., 1903, <i>Phyllosticta citrullina</i> Chester, 1891);</p>				<p>Slovakia, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia, Fiji, France Polynesia, New Caledonia, New Zealand, Pitcairn, Samoa, Samoa America, Solomon Islands, Tonga</p>

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	Ascomycota, Pezizomycotina, Dothideomycetes, Pleosporales, Didymellaceae; gummy stem blight, leaf spot of cucurbits, cercospora leafspot of squash, cucumber black rot, cucurbits stem blight, cucurbits leaf spot, cucurbits stem-end rot				
8.	[s]: <i>Elsinoe ampelina</i> Shear, 1929; (Syn. <i>Uleomyces parasiticus</i> Henn., <i>Plectodiscella veneta</i> Burkh., <i>Elsinoë viticola</i> Racib.); [a]: <i>Sphaceloma ampelinum</i> de Bary, 1874; (Syn. <i>Gloeosporium ampelophagum</i> (Pass.) Sacc., 1878, <i>Ramularia ampelophaga</i> Pass., 1876, <i>Manginia ampelina</i> Viala & Pacottet); Ascomycota, Pezizomycotina, Dothideomycetes, Myriangiales, Elsinoaceae; grape anthracnose; grape black spot;	I	<i>Rubus fruticosus</i> (blackberry), <i>Rubus idaeus</i> (raspberry), <i>Vitis labrusca</i> (fox grape), <i>Vitis rupestris</i> (sand-grape), <i>Vitis vinifera</i> (grapevine)	batang (stems (above ground), trunks, branches), buah (fruits), bunga (flowers, inflorescence s, cones, calyx), daun (leaves), polong (pods), tunas (shoots)	Indonesia: Bali Africa: Kenya, Madagascar, Mauritius, Morocco, Mozambique, South Africa, Tanzania, Zambia, Zimbabwe America: Argentina, Barbados, Bermuda, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Haiti, Jamaica, Puerto Rico, Mexico, Paraguay, Peru, Uruguay, USA, Venezuela Asia: Afghanistan,

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	grape black rot; bird's eye spot; bird's eye rot; vine black spot; bird's eye fungus; anthracnose of grapevine; bird's eye disease of grapevine; black spot of grapevine				Azerbaijan, Cambodia, China, Georgia, Hong Kong, India, Iran, Japan, Kazakhstan, Kyrgystan, Myanmar, Pakistan, Republic of Korea (South Korea), Taiwan, Tajikistan, Turkey, Turkmenistan, Uzbekistan Europe: Armenia, Austria, Belarus, Belgium, Bulgaria, Estonia, France, Germany, Greece, Italy, Latvia, Lithuania, Malta, Moldova, Montenegro, Netherlands, Poland, Portugal, Romania, Russian Federation, Serbia, Slovenia, Spain, Switzerland, Ukraine, United Kingdom Oceania: Australia,

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					French Polynesia, New Zealand, Papua New Guinea
9.	<p>[s]: <i>Erysiphe necator</i> Schwein., 1832; (Syn. <i>Erysiphe necator</i> var. <i>ampelopsidis</i> (Peck) U. Braun &amp; S. Takam., 2000, <i>Uncinula americana</i> Howe, 1872, <i>Uncinula ampelopsidis</i> Peck, 1872, <i>Uncinula necator</i> (Schwein.) Burrill, 1892, <i>Uncinula necator</i> var. <i>ampelopsidis</i> (Peck) U. Braun, 1983, <i>Uncinula necator</i> var. <i>necator</i> (Schwein.) Burrill, 1892);</p> <p>[a]: <i>Oidium tuckeri</i> Berk., 1847; (Syn. <i>Acrosporium tuckeri</i> (Berk.) Sumst., 1913, <i>Oidium tuckeri</i> Berk., 1847, <i>Pseudoidium tuckeri</i> (Berk.) Y.S. Paul &amp; J.N. Kapoor, 1986);</p> <p>Ascomycota, Pezizomycotina, Leotiomycetes, Erysiphales, Erysiphaceae;</p>	II	Ampelopsis, Cissus (grape), <i>Cissus rhombifolia</i> (grape ivy), Parthenocissus, Vitis, <i>Vitis vinifera</i> (anggur, grapevine), <i>Vitis vinifera</i> subsp. <i>Sylvestris</i> ,	batang (stems (above ground), trunks, branches), bibit (seedlings), buah (fruits), bunga (flowers, inflorescence s, cones, calyx), daun, kayu (woods), kulit kayu (bark), polong (pods), tanaman hasil mikropropagasi	Indonesia: Jawa (Jawa Timur), Bali Africa: Algeria, Congo, DR Congo, Egypt, Ethiopia, Kenya, Libya, Malawi, Mauritania, Morocco, Mozambique, Portugal, Sierra Leone, Somalia, South Africa, Sudan, Tanzania, Tunisia, Uganda, Zimbabwe America: Argentina, Barbados, Bermuda, Bolivia, Brazil, Canada, Chile, Costa Rica, Cuba, Dominican Republic, Guatemala, Guyana, Jamaica, Mexico, Peru, Puerto Rico, Trinidad and Tobago, Uruguay, USA,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM ( <i>SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME</i> )	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	embun tepung (powdery mildew), grapevine powdery mildew, grape powdery mildew, powdery mildew grapevine			(micropropag ated plants), tunas (shoots)	Hawaii, Venezuela Asia: Afghanistan, China, Georgia, India, Iran, Iraq, Israel, Japan, Jordan, Kazakhstan, Kyrgyztan, Kyrgyzstan, Lebanon, Myanmar, Pakistan, Republic of Korea (South Korea), Saudi Arabia, Sri Lanka, Syria, Taiwan, Turkey, Turkmenistan, Uzbekistan, Yemen Europe: Armenia, Austria, Azerbaijan, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Italy, Latvia, Lithuania, Luxemburg, Malta, Moldova, Montenegro, Netherlands,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/ HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
					North Macedonia, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia, New Zealand, Papua New Guinea
10.	[s]: - [a]: <i>Fusarium oxysporum</i> f.sp. <i>asparagi</i> S.I. Cohen; Ascomycota, Pezizomycotina, Sordariomycetes, Hypocreales, Nectriaceae; layu, busuk akar (wilt, root rot)	I	<i>Asparagus officinalis</i> (asparaga, asparagus)	akar (roots), batang (stems), biji (true seeds), bibit (seedlings), media tanam (growing media associated with plants)	Indonesia: Jawa (Jawa Barat, Jawa Timur) America: Mexico, USA Asia: Taiwan Europe: France, Greece, Italy, Netherlands, Poland
11.	[s]: - [a]: <i>Fusarium oxysporum</i> f. <i>passiflorae</i> W.L. Gordon, 1954;	I	<i>Acacia melanoxylon</i> (australian blackwod), <i>Passiflora edulis</i> (passion	akar (roots), batang (stems (above	Indonesia: Sumatera (Sumatera Utara) Africa: South Africa

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	Ascomycota, Pezizomycotina, Sordariomycetes, Hypocreales, Nectriaceae; layu Fusarium, Fusarium wilt, wilt of passion fruit		fruit), <i>Passiflora quadrangularis</i> (markisa, granadilla, passion-fruit), <i>Samanea saman</i> (rain tree)	ground), trunks, branches), daun (leaves), media tanam (growing media associated with plants), tunas (shoots)	America: Brazil, USA Asia: China Oceania: Australia
12.	[s]: <i>Gibberella zeae</i> (Schwein.) Petch, 1936; (Syn. <i>Botryosphaeria saubinetii</i> (Mont.) Niessl, 1872, <i>Dothidea zeae</i> (Schwein.) Schwein., 1832, <i>Gibbera saubinetii</i> Mont., 1856, <i>Gibberella pulicaris</i> subsp. <i>saubinetii</i> (Mont.) Sacc., 1878, <i>Gibberella saubinetii</i> (Mont.) Sacc., 1879, <i>Gibberella saubinetii</i> f. <i>acuum</i> Feltgen, 1901, <i>Gibberella saubinetii</i> f. <i>saubinetii</i> (Mont.) Sacc., 1879, <i>Gibberella saubinetii</i>	I	<i>Acacia mearnsii</i> (black wattle), <i>Alopecurus pratensis</i> (Meadow foxtail), <i>Avena sativa</i> (oats), <i>Azadirachta indica</i> (neem tree), <i>Beta vulgaris</i> pv. <i>saccharifera</i> (bit gula, sugar beet), <i>Brassica</i> , <i>Cucurbita pepo</i> (labu kuning, zukini, zucchini), <i>Dianthus</i> (anyelir, carnation), <i>Gardenia jasminoides</i> (cape jasmine), <i>Glycine max</i> (kedelai, soyabean), <i>Gossypium</i>	akar (roots), batang (stems (above ground), trunks, banches), biji (true seeds, grains), buah (fruits), bunga (flowers, inflorescence s, cones,	Indonesia: Sumatera (Sumatera Barat), Jawa (Jawa Timur) Africa: Cameroon, Egypt, Ethiopia, Gambia, Kenya, Malawi, Nigeria, South Africa, Tunisia, Zambia, Zimbabwe America: Argentina, Bolivia, Brazil, Canada, Colombia, Costa Rica, Dominica, Grenada, Honduras, Mexico,



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	<p>subsp. <i>pachyspora</i> Sacc., 1880, <i>Gibberella saubinetii</i> subsp. <i>saubinetii</i> (Mont.) Sacc., 1879, <i>Gibberella saubinetii</i> var. <i>acuum</i> (Feltgen) Sacc., 1906, <i>Gibberella saubinetii</i> var. <i>calami</i> Henn., 1903, <i>Gibberella saubinetii</i> var. <i>coronillae</i> Sacc., 1879, <i>Gibberella saubinetii</i> var. <i>flacca</i> Wollenw., 1931, <i>Gibberella saubinetii</i> var. <i>mate</i> Speg., 1908, <i>Gibberella saubinetii</i> var. <i>pachyspora</i> Sacc., 1880, <i>Gibberella saubinetii</i> var. <i>saubinetii</i> (Mont.) Sacc., 1879, <i>Gibberella saubinetii</i> var. <i>tetraspora</i> Feltgen, 1903, <i>Sphaeria saubinetii</i> Berk. &amp; Broome, 1848, <i>Sphaeria zae</i> Schwein., 1822); [a]: <i>Fusarium graminearum</i> Schwabe, 1839; (Syn. <i>Dichomera saubinetii</i> (Mont.) Cooke, 1878, <i>Fusarium caricis</i> Oudem., 1890, <i>Fusarium</i></p>		<p>(cotton), <i>Hordeum vulgare</i> (barley), <i>Hyacinthus orientalis</i> (hyacinth), <i>Jatropha curcas</i> (jarak, jatropha), <i>Linum usitassimum</i> (flax), <i>Lolium multiflorum</i> (Italian ryegrass), <i>Lupinus</i> (lupins), <i>Lycopersicon</i>, <i>Mangifera indica</i> (mangga, mango), <i>Medicago</i> (medic), <i>Medicago littoralis</i> (strand medick), <i>Miscanthus x giganteus</i>, <i>Musa x paradisiaca</i> (pisang, banana), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Oryza sativa</i> (padi, paddy, rice), <i>Panicum miliaceum</i> (millet), <i>Pennisetum glaucum</i> (pearl millet), <i>Phalaris canariensis</i> (canarygrass), <i>Phaseolus vulgaris</i> (kacang buncis, common bean), <i>Pinus sylvestris</i> (Scots pine), <i>Pisum</i> (pea), <i>Rubus idaeus</i> (raspberry), <i>Secale cereale</i></p>	<p>calyx), daun (leaves), media tanam, polong (pods), tunas (shoots), umbi (tubers)</p>	<p>Paraguay, Peru, Saint Lucia, Saint Vincent and the Grenadines, Uruguay, USA, Windward Island Asia: Bangladesh, China, India, Iran, Japan, Kazakhstan, Lebanon, Nepal, Pakistan, Republic of Korea (South Korea), Saudi Arabia, Sri Lanka, Taiwan, Turkey, Uzbekistan Europe: Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Lithuania, Luxemburg, Moldova, Montenegro, Netherlands, North</p>

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	<p><i>graminearum</i> Schwabe (1838), <i>Fusarium graminearum</i> var. <i>caricis</i> (Oudem.) Wollenw., 1931, <i>Fusarium graminearum</i> var. <i>graminearum</i> Schwabe, 1839, <i>Fusarium roseum</i> Link emend Snyder &amp; Hansen., 1945, <i>Hendersoniopsis zae</i> (Schwein.) Woron., 1922); Ascomycota, Pezizomycotina, Sordariomycetes, Hypocreales, Nectriaceae; headblight of maize, scab of maize, root rot of maize, stalk rot of maize, ear rot of maize, gibberella stalk rot, gibberella ear rot, red ear rot, pink ear rot, fusarium root and stalk rot, cobweb disease</p>		<p>(rye), <i>Solanum</i> (leunca, nightshade), <i>Solanum</i> <i>tuberosum</i> (kentang, potato), <i>Sorghum bicolor</i> (sorghum), <i>Trifolium</i> (clovers), <i>Triticale</i>, <i>Triticum aestivum</i> (wheat), <i>Vaccinium</i> (blueberries), <i>Vicia</i> <i>faba</i> ( Broad bean), <i>Vitis</i> <i>vinifera</i> (anggur, grapevine), <i>Zea mays</i> (jagung, corn, maize), <i>Zingiber officinale</i> (jahe, ginger)</p>		<p>Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: Australia, Fiji, New Zealand. Papua New Guinea, Solomon Islands</p>
13.	<p>[s]: - [a]: <i>Helminthosporium solani</i> Durieu &amp; Mont., 1849; (Syn. <i>Brachysporium</i> <i>solani</i> (Durieu &amp; Mont.) Sacc., 1886, <i>Cladosporium abietinum</i></p>	I	<i>Solanum tuberosum</i> (kentang, potato)	akar (roots), tunas (shoots), umbi (tubers)	Indonesia: Jawa, Nusa Tenggara Barat (Lombok), Sumatera (Bengkulu, Jambi, Sumatera Selatan, Sumatera Utara, Sumatera Barat, Jambi)

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	<p>Zukal, <i>Dematium atrovirens</i> Harz, 1871, <i>Helminthosporium atrovirens</i> (Harz) E.W. Mason &amp; S. Hughes, 1953), <i>Spondylocladium atrovirens</i> (Harz) Harz ex Sacc., 1886); Ascomycota, Pezizomycotina, Dothideomycetes, Pleosporales, Massarinaceae; silver scurf</p>				<p>Africa: Morocco, South Africa America: Argentina, Bolivia, Brazil, Canada, Chile, Colombia, Cuba, Mexico, Peru, USA, Venezuela Asia: China, India, Iran, Israel, Japan, Myanmar, Singapore, Taiwan, Turkey Europe: Austria, Belarus, Bulgaria, Czech Republic, Denmark, France, Germany, Greece, Hungary, Ireland, Italy, Netherlands, Norway, Poland, Romania, Russian Federation, Slovakia, Sweden, Switzerland, United Kingdom Oceania: Australia, New Caledonia, New Zealand,</p>

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					Papua New Guinea
14.	<p>[s]: <i>Leptosphaeria maculans</i> (Tul. &amp; C. Tul.) Ces. &amp; De Not., 1863; (Syn. <i>Phaeosphaeria sowerbyi</i> (Fuckel) L. Holm, 1957, <i>Leptosphaeria alliariae</i> (Auersw.) Rehm, 1883, <i>Pleospora maculans</i> Tul. &amp; C. Tul., 1863, <i>Pleospora maculans</i> (Ces. &amp; De Not.) Tul. &amp; C. Tul., <i>Sphaeria alliariae</i> Auersw., <i>Sphaeria brassicae</i> Pers. ex Curr., 1859, <i>Sphaeria lingam</i> Tode, 1791, <i>Sphaeria maculans</i> Desm.);</p> <p>[a]: <i>Phoma lingam</i> (Tode) Desm., 1849; (Syn. <i>Depazea brassicae</i> Sacc., 1884, <i>Heptameria maculans</i> (Ces. &amp; De Not.) Cooke, <i>Phoma brassicae</i> Thüm., 1884, <i>Phoma lingam</i> f. <i>linariae</i> Sacc. &amp; Paol., <i>Phoma lingam</i> f. <i>lingam</i> (Tode) Desm., 1849, <i>Phoma lingam</i> var. <i>lingam</i> (Tode) Desm.,</p>	II	<p><i>Alliaria</i>, <i>Argemone mexicana</i> (jaruju, Mexican poppy), <i>Asteraceae</i>, <i>Astragalus adsurgens</i>, <i>Avena sativa</i> (oat, oat), <i>Beta vulgaris</i> (bit gula, sugar beet), <i>Brassica</i> spp., <i>Brassica juncea</i> var. <i>juncea</i> (Indian mustard), <i>Brassica napus</i> var. <i>napus</i> (rape), <i>Brassica nigra</i> (black mustard), <i>Brassica oleracea</i> (kol, cabbage), <i>Brassica oleracea</i> var. <i>botrytis</i> (bunga kol, cauliflower), <i>Brassica oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Brassica oleracea</i> var. <i>gemmifera</i> (Brussels sprouts), <i>Brassica oleracea</i> var. <i>italica</i> (brokoli, broccoli), <i>Brassica oleracea</i> var. <i>viridis</i> (collards), <i>Brassica rapa</i> subsp. <i>Oleifera</i> (turnip rape), <i>Brassica rapa</i> subsp.</p>	akar (roots), batang (stems (above ground), trunks, branches), biji (true seeds), buah (fruits), daun (leaves), polong (pods), tunas (shoots)	<p>Indonesia: Jawa, Sumatera (Sumatera Barat), Sulawesi (Sulawesi Selatan, Sulawesi Utara)            Africa: Egypt, Ethiopia, Kenya, Mozambique, Nigeria, South Africa, Zambia, Zimbabwe            America: Argentina, Brazil, Canada, Costa Rica, El Salvador, Guadeloupe, Mexico, Panama, Puerto Rico, USA            Asia: China, DPR Korea (North Korea), Georgia, India, Iran, Israel, Japan, Kazakhstan, Kyrgyzstan, Malaysia, Pakistan, Philippines, Republic of Korea (South Korea), Taiwan, Thailand, Turkey</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	<p>1849, <i>Phoma lingam</i> var. <i>napobrassicae</i> (Rostr.) Grove, 1935, <i>Phoma napobrassicae</i> Rostr. (1892), <i>Phoma oleracea</i> Sacc., 1880, <i>Phoma oleracea</i> f. <i>oleracea</i> Sacc., 1909, <i>Phoma oleracea</i> f. <i>oleracea</i> Sacc., 1880, <i>Phoma oleracea</i> var. <i>antirrhini</i> Sacc., 1884, <i>Phoma oleracea</i> var. <i>antirrhini-litigiosi</i> Gonz. Frag., 1917, <i>Phoma oleracea</i> var. <i>arabidis</i> Baudyš &amp; Picb., 1928, <i>Phoma oleracea</i> var. <i>dipsaci</i> Sacc., 1884, <i>Phoma oleracea</i> var. <i>heraclei-lanati</i> Sacc., 1920, <i>Phoma oleracea</i> var. <i>oleracea</i> Sacc., 1880, <i>Phoma oleracea</i> var. <i>scrophulariae</i> Sacc., 1884, <i>Phoma oleracea</i> var. <i>solidaginis</i> Sacc., 1884, <i>Phoma oleracea</i> var. <i>tanacetii</i> Allesch., 1901, <i>Phoma oleracea</i> var. <i>urticae</i> Sacc., 1884,</p>		<p><i>pekinensis</i>, <i>Brassica rapa</i> subsp. <i>rapa</i> (turnip), Brassicaceae, <i>Cardamine bellidifolia</i>, <i>Clematis vitalba</i>, <i>Eucalyptus globulus</i>, <i>Gentiana cruciata</i>, Gentianales, <i>Hibiscus rosa-sinensis</i> (kembang sepatu, China rose), <i>Iberis</i> (candytuft), <i>Iberis umbellata</i>, <i>Lobularia</i>, <i>Lobularia maritima</i>, <i>Lolium perenne</i>, <i>Matthiola</i>, <i>Matthiola incana</i>, Onagraceae, <i>Raphanus raphanistrum</i>, <i>Raphanus Sativus</i> (lobak, radish), <i>Raphanus sativus</i> var. <i>sativus</i>, <i>Secale cereale</i>, <i>Sinapsis alba</i>, <i>Sinapsis arvensis</i> (wild mustard), <i>Sisymbrium</i> sp., <i>Thlaspi arvense</i> (field pennycress)</p>		<p>Europe: Armenia, Austria, Belarus, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Hungary, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Malta, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Spain, Sweden, Switzerland, Ukraine, United Kingdom, Scotland Oceania: Australia, New Caledonia, New Zealand, Papua New Guinea</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	<p><i>Phyllosticta brassicae</i> Westend., 1851, <i>Phyllosticta napi</i> Sacc., 1879, <i>Plenodomus lingam</i> (Tode) Höhn.), <i>Sphaeropsis lingam</i> (Tode) Mussat); Ascomycota, Pezizomycotina, Dothideomycetes, Ploeosporales, Leptosphaeriaceae; pangkal batang hitam (black leg), canker, dry rot, leaf spot, black leg of fungus, black leg of rapeseed, black leg of cabbage, black leg of crucifers, dry rot of crucifers, stem canker</p>				
15.	<p>[s]: - [a]: <i>Macrophomina phaseolina</i> (Tassi) Goid., 1947; (Syn. <i>Botryodiplodia phaseoli</i> (Maubl.) Thirum., 1953, <i>Dothiorella phaseoli</i> (Maubl.) Petr. &amp; Syd., 1927, <i>Dothiorella philippinensis</i> (Petr.) Petr., 1927, <i>Dothiorella cajani</i> (Syd., P. Syd. &amp; E.J. Butler) Syd., P. Syd. &amp; E.J. Butler, 1925, <i>Fusicoccum</i></p>	I	<p><i>Abelmoschus esculentus</i> (okra), <i>Abies concolor</i> (Rocky Mountain white fir), <i>Actinidia chinensis</i> (Chinese gooseberry), <i>Actinidia deliciosa</i> (kiwifruit), <i>Albizia lebeck</i> (Indian siris), <i>Alhagi pseudalhagi</i> (Camel-thorn), <i>Allium cepa</i> (bawang bombay, onion), <i>Allium sativum</i> (bawang putih, garlic), <i>Arachis</i></p>	akar (roots), batang (stems (above ground), trunks, branches), biji (true seeds, grains), buah (fruits), bunga	Indonesia: Jawa (Jawa Barat, Banten) Africa: Benin, Botswana, Burkina Faso, Cameroon, Central African Republic, DR Congo, Egypt, Ethiopia, Gabon, Gambia, Ghana, Ivory Coast, Kenya, Libya, Madagascar, Malawi, Mauritius, Morocco,

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	<p><i>cajani</i> (Syd., P. Syd. &amp; E.J. Butler) Samuels &amp; B.B. Singh, 1986, <i>Macrophoma cajani</i> Syd., P. Syd. &amp; E.J. Butler, 1916, <i>Macrophoma corchori</i> Sawada, 1916, <i>Macrophoma phaseoli</i> Maubl., 1905, <i>Macrophoma phaseolina</i> Tassi, 1901, <i>Macrophoma sesami</i> Sawada, 1922, <i>Macrophomina phaseoli</i> (Maubl.) S.F. Ashby, 1927, <i>Macrophomina phaseoli</i> var. <i>indica</i> Moniz &amp; V.P. Bhide, 1963, <i>Macrophomina phaseoli</i> var. <i>phaseoli</i> (Maubl.) S.F. Ashby, 1927, <i>Macrophomina philippinensis</i> Petr., 1923, <i>Rhizoctonia bataticola</i> (Taubenh.) E.J. Butler, 1925, <i>Rhizoctonia lamellifera</i> W. Small, 1924, <i>Sclerotium bataticola</i> Taubenh., 1913, <i>Tiarosporella phaseoli</i> (Maubl.) Aa, 1977, <i>Tiarosporella phaseolina</i> (Tassi)</p>		<p><i>hypogaea</i> (kacang tanah, groundnut), <i>Artocarpus hirsutus</i> (wild jack fruit), <i>Basella alba</i> (Malabar spinach), <i>Beta vulgaris</i> var. <i>saccharifera</i> (bit gula, sugar beet), <i>Boehmeria nivea</i> (ramie), <i>Bombax ceiba</i> (silk cotton tree), Brassica, <i>Brassica oleracea</i> var. <i>botrytis</i> (bunga kol, cauliflower), <i>Broussonetia papyrifera</i> (paper mulberry), <i>Cajanus cajan</i> (kacang gude, pigeon pea), <i>Cannabis sativa</i> (ganja, hemp), <i>Capsicum annuum</i> (paprika, bell pepper), <i>Carica papaya</i> (pepaya, papaya), <i>Carthamus tinctorius</i> (safflower), <i>Catharanthus roseus</i> (Pink periwinkle), <i>Cedrus atlantica</i> (Atlas cedar), <i>Cedrus deodara</i> (Himalayan cedar), <i>Celosia argentea</i> (celosia), Chlorophytum, <i>Cicer</i></p>	<p>(flowers, inflorescence s, cones, calyx), daun (leaves), polong (pods), tunas (shoots), umbi (bulbs, tubers, corms, rhizomes)</p>	<p>Mozambique, Niger, Nigeria, Senegal, Sierra Leone, Somalia, South Africa, Sudan, Swaziland, Tanzania, Togo, Tunisia, Uganda, Zambia, Zimbabwe America: Argentina, Bahamas, Brazil, Canada, Chile, Colombia, Cuba, Dominica, El Savador, Guadeloupe, Guyana, Honduras, Jamaica, Mexico, Puerto Rico, Peru, Trinidad and Tobago, Uruguay, USA, Venezuela Asia: Bangladesh, Brunei Darussalam, China, India, Iran, Iraq, Israel, Japan, Kuwait, Lebanon, Malaysia, Myanmar, Nepal, Oman, Pakistan, Republic of Korea (South</p>

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	<p>Aa, 1981); Ascomycota, Dothideomycetes, Botryosphaerales, Botryosphaeriaceae; charcoal rot of bean/tobacco, ashy stem blight, ashy stem decay of bean/tobacco, blight of bean/tobacco, root rot of bean/tobacco</p>		<p><i>arietinum</i> (chickpea), Cichorium (chicory), <i>Citrullus lanatus</i> (semangka, watermelon), <i>Citrus reticulata</i> (mandarin), <i>Cocos nucifera</i> (kelapa, coconut), <i>Corchorus capsularis</i> (white jute), <i>Corchorus olitorius</i> (jute), <i>Coriandrum sativum</i> (coriander), <i>Crocus sativus</i> (saffron), <i>Crotalaria juncea</i> (sunn hemp), <i>Cucumis melo</i> (melon, melon), <i>Cucumis sativus</i> (mentimum, cucumber), <i>Cucurbita pepo</i> (labu kuning, zukini, zucchini), <i>Cuminum cyminum</i> (cumin), <i>Curcuma longa</i> (kunyit, turmeric), <i>Cyamopsis tetragonoloba</i> (guar), <i>Dahlia</i>, <i>Datura stramonium</i> (jimsonweed), <i>Daucus carota</i> (wortel, carrot), <i>Elaeis guineensis</i> (kelapa sawit,</p>		<p>Korea), Sri Lanka, Syria, Taiwan, Turkey, Yemen Europe: Austria, Bulgaria, Cyprus, Czech Republic, Denmark, France, Germany, Greece, Hungary, Ireland, Italy, Mediterranean countries, Montenegro, Netherlands, Romania, Russian Federation, Serbia, Slovakia, Spain, Switzerland, United Kingdom Oceania: Australia, Fiji, New Zealand, Papua New Guinea, Solomon Islands</p>



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			African oil palm), <i>Eucalyptus camaldulensis</i> (red gum), <i>Eucalyptus tereticornis</i> (forest red gum), Fagopyron, <i>Fragaria</i> , <i>Fragaria ananassa</i> (stroberi, strawberry), <i>Glycine max</i> (kedelai, soyabean), <i>Gossypium</i> (kapas, cotton), <i>Gossypium barbadense</i> (Gallini cotton), <i>Helianthus annuus</i> (bunga matahari, sunflower), <i>Hibiscus schizopetalus</i> (fringed hibiscus), <i>Impatiens balsamina</i> (garden balsam), <i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Incarvillea delavayi</i> , <i>Jasminum</i> (melati, jasmine), <i>Juniperus scopulorum</i> (Rocky Mountain juniper), <i>Juniperus virginiana</i> (eastern redcedar), <i>Lablab purpureus</i> (hyacinth bean), <i>Lagenaria siceraria</i> (bottle		

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			gourd), <i>Lens culinaris</i> subsp. <i>culinaris</i> (lentil), <i>Linum</i> (flax), <i>Lupinus</i> (lupins), <i>Macrotyloma uniflorum</i> (horsegram), <i>Mangifera indica</i> (mangga, mango), <i>Manihot esculenta</i> (singkong, cassava), <i>Medicago</i> (medic), <i>Momordica charantia</i> (bitter gourd), <i>Narcissus</i> (daffodil), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Olea europaea</i> subsp. <i>europaea</i> (olive), <i>Oryza sativa</i> (padi, paddy, rice), <i>Papaver somniferum</i> (Opium poppy), <i>Parthenium argentatum</i> (Guayule), <i>Pelargonium</i> (pelargoniums), <i>Pennisetum glaucum</i> (pearl millet), <i>Phaseolus</i> (beans), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Pinopsida</i> (conifers), <i>Pinus canariensis</i> (Canary pine), <i>Pinus caribaea</i>		

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			<p>(Caribbean pine), <i>Pinus clausa</i> (sand pine), <i>Pinus halepensis</i> (Aleppo pine), <i>Pinus jeffreyi</i> (Jeffrey pine), <i>Pinus lambertiana</i> (big pine), <i>Pinus pinaster</i> (maritime pine), <i>Pinus pinea</i> (stone pine), <i>Pinus radiata</i> (radiata pine), <i>Piper betle</i> (betel pepper), <i>Piper nigrum</i> (black pepper), <i>Pisum sativum</i> (pea), <i>Plectranthus barbatus</i>, <i>Prosopis juliflora</i> (mesquite), <i>Prunus armeniaca</i> (apricot), <i>Prunus cerasus</i> (sour cherry), <i>Prunus persica</i> (peach), <i>Pseudotsuga menziesii</i> (Douglas-fir), <i>Psidium guajava</i> (jambu biji, guava), <i>Psophocarpus tetragonolobus</i> (winged bean), <i>Raphanus sativus</i> (lobak, radish), <i>Ricinus communis</i> (jarak kepyar, castor bean), <i>Saccharum officinarum</i></p>		

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			<p>(sugarcane), <i>Salvia officinalis</i> (common sage), <i>Sapium sebiferum</i> (Chinese tallow tree), <i>Sesamum indicum</i> (sesame), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum melongena</i> (terung, eggplant, aubergine), <i>Solanum tuberosum</i> (kentang, potato), <i>Solanum viarum</i> (tropical soda apple), <i>Solidago canadensis</i> (Canadian goldenrod), <i>Sorghum bicolor</i> (sorghum), <i>Sterculia urens</i> (kateera gum), <i>Stevia rebaudiana</i>, <i>Stylosanthes</i> (pencil-flower), <i>Syzygium samarangense</i> (water apple), <i>Tagetes erecta</i> (African marigold), <i>Trifolium alexandrinum</i> (Berseem clover), <i>Trigonella foenum-graecum</i> (fenugreek), <i>Vanilla planifolia</i> (vanilla), <i>Vicia faba</i> (faba bean), <i>Vigna aconitifolia</i></p>		

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			(moth beans), <i>Vigna mungo</i> (black gram), <i>Vigna radiata</i> (mung bean), <i>Vigna unguiculata</i> (cowpea), <i>Vitis</i> (grape), <i>Zea mays</i> (jagung, corn, maize), <i>Zingiber</i> (jahe, ginger)		
16.	[r]: <i>Melampsora allii-populina</i> Kleb., 1902; (Syn. <i>Melampsora allii-populina</i> f. <i>allii-populina</i> Kleb., 1902, <i>Puccinia allii-populina</i> (Kleb.) Gombkötö, Iváncsics, Latos Németh & P. Reisinger, 2011, <i>Uredo allii-populina</i> Arthur, 1906); Basidiomycota, Pucciniomycetes, Pucciniales, Melampsoraceae; rust of garlic, rust of onion	I	<i>Allium</i> , <i>Allium ampeloprasum</i> (wild leek), <i>Allium cepa</i> (bawang bombay, onion), <i>Allium cepa</i> var. <i>agregatum</i> (bawang merah, shallot), <i>Allium chinense</i> (spring onion), <i>Allium fistulosum</i> (welsh onion), <i>Allium porrum</i> (leek), <i>Allium sativum</i> (bawang putih, garlic), <i>Allium schoenoprasum</i> (chives), <i>Allium tuberosum</i> (Oriental garlic), <i>Allium vineale</i> (crow garlic), <i>Populus</i> (poplars)	biji (true seeds), daun (leaves), umbi (bulbs)	Indonesia: Sulawesi (Sulawesi Utara) Africa: Algeria, Egypt, Ethiopia, Kenya, Libya, Mauritius, Morocco, Mozambique, South Africa, Tanzania, Tunisia, Uganda, Zimbabwe America: Argentina, Brazil, Canada, Chile, Guatemala, Mexico, Uruguay, USA Asia: China, DPR Korea, India, Iran, Iraq, Israel, Japan, Kazakhstan, Kyrgyzstan, Lebanon, Myanmar, Pakistan,

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					Philippines, Republic of Korea (South Korea), Saudi Arabia, Syria, Taiwan, Thailand, Turkmenistan, Uzbekistan, Yemen Europe: Armenia, Austria, Azerbaijan, Bulgaria, Cyprus, Czech Republic, Czechoslovakia, Denmark, Estonia, Finland, Greece, Hungary, Ireland, Italy, Latvia, Malta, Moldova, Netherlands, Norway, Poland, Portugal, Russian Federation, Serbia, Spain, Sweden, Switzerland, Turkey, Ukraine, United Kingdom Oceania: Australia, New Zealand
17.	[s]: <i>Mycosphaerella fijiensis</i> M.	I	<i>Heliconia psittacorum</i> , <i>Musa</i>	bibit	Indonesia: Sumatera

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	<p>Morelet (1969); (Syn. <i>Mycosphaerella fijiensis</i> var. <i>difformis</i> J.L. Mulder &amp; R.H. Stover (1976), <i>Mycosphaerella fijiensis</i> var. <i>fijiensis</i> M. Morelet, 1969); [a]: <i>Pseudocercospora fijiensis</i> (M. Morelet) Deighton (1976); (Syn. <i>Cercospora fijiensis</i> M. Morelet (1969), <i>Cercospora fijiensis</i> var. <i>difformis</i> J.L. Mulder &amp; R.H. Stover (1976), <i>Paracercospora fijiensis</i> (M. Morelet) Deighton (1979), <i>Paracercospora fijiensis</i> var. <i>difformis</i> (J.L. Mulder &amp; R.H. Stover) Deighton (1979)); Ascomycota, Pezizomycotina, Dothideomycetes, Mycopshaerelalles, Mycosphaerellaceae; black sigatoka</p>		spp. (pisang, banana)	(seedlings), daun (leaves)	<p>(Sumatera Utara) Africa: Benin, Burundi, Cameroon, Central African Republic, Comoros, Congo, DR Congo, Gabon, Ghana, Guinea-Bissau, Ivory Coast, Kenya, Madagascar, Malawi, Mauritius, Mayotte, Niger, Nigeria, Rwanda, Sao Tome and Principe, Tanzania, Togo, Uganda, Zambia America: Bahamas, Belize, Bolivia, Brazil, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Grenada, Guatemala, Guyana, Haiti, Honduras, Jamaica, Martinique, Mexico, Nicaragua,</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM ( <i>SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME</i> )	GOLONGAN / <i>GROUP</i>	INANG/ <i>HOST</i>	MEDIA PEMBAWA / <i>PATHWAY</i>	DAERAH SEBAR / <i>GEOGRAPHICAL DISTRIBUTION</i>
					Panama, Peru, Puerto Rico, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, USA, Hawaii, Venezuela Asia: Bhutan, Brunei Darussalam, China, Malaysia, Philippines, Singapore, Taiwan, Thailand, Vietnam. Oceania: American Samoa, Australia, Cook Islands, Federated states of Micronesia, Fiji, French Polynesia, Guam, Marshall Islands, New Caledonia, Niue, Norfolk Island, Northern Mariana Islands, Palau, Papua New Guinea, Samoa, Solomon Islands, Tonga, Vanuatu, Wallis and Futuna Islands



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
18.	[c]: <i>Peronosclerospora philippinensis</i> (W. Weston) C.G. Shaw, 1978; (Syn. <i>Sclerospora maydis</i> Reinking, 1918, <i>Sclerospora philippinensis</i> W. Weston, 1920); Oomycota, Oomycetes, Peronosporales, Peronosporaceae; Philippine downy mildew	II	<i>Avena sativa</i> (oat, oats), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Saccharum spontaneum</i> (wild sugarcane), <i>Sorghum bicolor</i> (sorghum), <i>Sorghum halepense</i> (Johnson grass), <i>Zea mays</i> (jagung, corn, maize), <i>Zea mays</i> subsp. <i>mexicana</i> (teosinte)	biji (true seeds), daun (leaves)	Indonesia: Sulawesi Africa: Mauritius Asia: China, India, Japan, Nepal, Pakistan, Philippines, Taiwan, Thailand
19.	[c]: <i>Peronosclerospora sorghi</i> (W. Weston & Uppal) C.G. Shaw, 1978; (Syn. <i>Sclerospora andropogonis-sorghi</i> (Kulk.) Mundk., 1951, <i>Sclerospora graminicola</i> var. <i>andropogonis-sorghi</i> Kulk., 1913, <i>Sclerospora sorghi</i> W. Weston & Uppal, 1932, <i>Sorosporium andropogonis-sorghi</i> S. Ito, 1935); Oomycota, Peronosporales, Peronosporaceae; sorghum downy mildew, mildew of maize and sorghum	II	<i>Andropogon sorghi</i> , <i>Panicum trypheron</i> , <i>Pennisetum glaucum</i> , <i>Sorghum</i> spp., <i>Sorghum almum</i> (Columbus grass), <i>Sorghum arundinaceum</i> , <i>Sorghum bicolor</i> (sorghum, sorghum), <i>Sorghum caffrorum</i> , <i>Sorghum halepense</i> (Johnson grass), <i>Sorghum propinquum</i> , <i>Sorghum sudanense</i> (Sudan grass), <i>Sorghum vesicolor</i> , <i>Sorghum virgatum</i> (tunis grass), <i>Zea diploperennis</i> , <i>Zea</i>	biji (true seeds, grains), daun (leaves), media tanam (tanah) (growing media associated with plants (soil))	Indonesia: Jawa (Jawa Barat, Jawa Tengah, Jawa Timur), Kalimantan (Kalimantan Barat, Kalimantan Timur), Sumatera (Sumatera Barat, Lampung), Nusa Tenggara Timur, Sulawesi (Gorontalo, Sulawesi Selatan), Bali Africa: Benin, Botswana, Burkina Faso, Burundi, Egypt, Ethiopia, Ghana, Kenya, Malawi,

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			<i>mays</i> (jagung, corn, maize), <i>Zea mays</i> subsp. <i>Mexicana</i> (teosinte)		Mauritania, Mauritius, Mozambique, Nigeria, Rwanda, Somalia, South Africa, Sudan, Swaziland, Tanzania, Uganda, Zambia, Zimbabwe America: Argentina, Bolivia, Brazil, Colombia, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama, Peru, Puerto Rico, USA, Uruguay, Venezuela Asia: Bangladesh, Cambodia, China, India, Iran, Israel, Japan, Nepal, Pakistan, Philippines, Taiwan, Thailand, Timor Leste, Vietnam, Yemen Europe: Italy Oceania: Australia
20.	[c]: <i>Peronospora manshurica</i> (Naumov) Syd., 1923;	II	<i>Glycine max</i> (kedelai, soyabean), <i>Glycine soja</i>	batang (stems (above	Indonesia: Jawa (Jawa Timur, Jawa Barat)

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	<p>(Syn. <i>Peronospora sojae</i> F. Lehm. &amp; F.A. Wolf, 1924, <i>Peronospora trifoliorum</i> var. <i>manshurica</i> Naumov, 1914); Oomycota, Peronosporales, Peronosporaceae; soybean downy mildew, embun bulu</p>			<p>ground), trunks, branches), biji (true seeds, grains), buah (fruits), bunga (flowers, inflorescences, cones, calyx), daun (leaves), polong (pods), tunas (shoots)</p>	<p>Africa: Ethiopia, South Africa, Zimbabwe America: Argentina, Bermuda, Bolivia, Brazil, Canada, Colombia, Cuba, Mexico, Puerto Rico, USA Asia: China, DPR Korea (North Korea), Iran, Israel, Japan, Kazakhstan, Malaysia, Philippines, Republic of Korea (South Korea), Taiwan, Thailand, Turkey, Vietnam Europe: Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Czechoslovakia, Denmark, France, Germany, Hungary, Italy, Latvia, Macedonia, Moldova, Montenegro, Poland, Romania, Russian Federation,</p>

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					Serbia, Slovakia, Slovenia, Sweden, Ukraine, United Kingdom Oceania: Australia, New Zealand
21.	[r]: <i>Phakopsora ampelopsidis</i> Dietel & P. Syd., 1898; (Syn. <i>Angiopsora ampelopsidis</i> (Dietel & P. Syd.) Thirum. & F. Kern, 1949, <i>Physopella ampelopsidis</i> (Dietel & P. Syd.) Cummins & Ramachar, 1959); Basidiomycota, Pucciniomycotina, Pucciniomycetes, Pucciniales, Phakopsoraceae; ampelopsis rust fungus, karat, rust	I	<i>Ampelopsis</i> , <i>Ampelopsis aconitifolia</i> (monkhood-vine), <i>Ampelocissus robinsonii</i> , <i>Ampelopsis heterophylla</i> , <i>Ampelopsis brevipedunculata</i> (Amur ampelopsis), <i>Cayratia</i> , <i>Cissus</i> , <i>Cissus yoshimurae</i> , <i>Meliosma</i> sp., <i>Meliosma myriantha</i> , <i>Partheocissus thunbergii</i> , <i>P. tricuspidata</i> , <i>Quinaria tricuspidata</i> , Vitaceae, <i>Vitis caribaea</i> , <i>Vitis coignatae</i> , <i>Vitis flexuosa</i> , <i>Vitis lanata</i> , <i>Vitis munsoniana</i> , <i>Vitis tiliifolia</i> , <i>Vitis vinifera</i> (anggur, grapevine)	batang (stems), daun (leaves)	Indonesia: Jawa (Jawa Tengah, Jawa Timur), Bali, Sulawesi (Sulawesi Selatan) Asia: China, Hong Kong, Japan, Nepal, Philippines, Republic of Korea (South Korea), Taiwan, Thailand Oceania: Australia
22.	[c]: <i>Phytophthora citrophthora</i> (R.E. Sm. & E.H. Sm.) Leonian, 1925; (Syn. <i>Phytophthora imperfect</i> var.	I	<i>Abies lasiocarpa</i> var. <i>arizonica</i> , <i>Acca sellowiana</i> , <i>Actinidia deliciosa</i> (kiwi),	akar (roots), batang (stems (above	Indonesia: Sulawesi (Sulawesi Tengah), Nusa Tenggara Timur

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	<p><i>citrophthora</i> (R. E. Sm. &amp; E. H. Sm.) Sarej., 1936, <i>Pythiacystis citrophthora</i> R. E. Sm. &amp; E. H. Sm., 1906); Oomycota, Peronosporae, Peronosporales, Peronosporaceae; brown rot of Citrus fruit, foot rot of citrus, cocoa black pod, stem necrosis, canker, seedling blight</p>		<p>Buxus, <i>Castanea sativa</i> (chestnut), <i>Chamaecyparis lawsonia</i> (Port oxford cedar), <i>Citrullus lanatus</i> (semangka, watermelon), <i>Citrus</i> spp., <i>Citrus clementina</i>, <i>Citrus limetta</i> (sweet lemon tree), <i>Citrus limon</i> (lemon), <i>Citrus maxima</i> (pummelo), <i>Citrus reticulata</i> (Mandarin), <i>Citrus sinensis</i> (nevel orange), <i>Cocos nucifera</i> (kelapa, coconut), <i>Coptis japonica</i>, <i>Diospyros kaki</i> (kesemek, persimmon), <i>Euonymus</i> spp., <i>Fagus</i> spp., <i>Ficus elastica</i>, <i>Fortunella japonica</i> (round kumquat), <i>Fragaria</i> spp., <i>Fragaria ananasa</i> (stroberi, strawberry), <i>Fragaria regia</i> (walnut), <i>Hevea brasiliensis</i> (karet, rubber), <i>Juglans</i> spp., <i>Juglans regia</i> (walnut), <i>Lavandula angustifolia</i></p>	<p>ground), trunks, branches), biji (true seeds, grains), buah (fruits), daun (leaves), media tanam (growing media associated with plants), polong (pods), tunas (shoots)</p>	<p>Africa: Algeria, Angola, DR Congo, Egypt, Ethiopia, Ivory Coast, Kenya, Mauritius, Morocco, Mozambique, Senegal, South Africa, Tunisia, Zambia, Zimbabwe America: Argentina, Barbados, Brazil, Chile, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, French Guiana, Guadeloupe, Guatemala, Guyana, Haiti, Jamaica, Martinique, Mexico, Panama, Peru, Puerto Rico, Suriname, Trinidad and Tobago, USA, Uruguay, Venezuela Asia: Bangladesh, China, Georgia, India, Iran, Iraq, Israel, Japan, Jordan,</p>

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			(lavender), <i>Ligustrum vulgare</i> , <i>Mandevilla</i> spp., <i>Murraya</i> sp., <i>Nothofagus obliqua</i> (roble), <i>Pandorea jasminoides</i> , <i>Pelargonium graveolens</i> (rose geranium), <i>Picea abies</i> (common spruce), <i>Piper</i> <i>nigrum</i> (lada, pepper), <i>Pistacia</i> <i>vera</i> (pistachio), <i>Poncirus</i> <i>trifoliata</i> , <i>Prunus armeniaca</i> (aprikot, apricot), <i>Prunus</i> <i>avium</i> (ceri manis, sweet cherry), <i>Prunus domestica</i> (prem, plum), <i>Prunus dulcis</i> (almon, badam, almond), <i>Rhododendron</i> spp., <i>Ribes</i> <i>sanguineum</i> , <i>Ribes lobbia</i> (lobs goosberry), <i>Ribes sanguineum</i> (flowering currant), <i>Rosmarinus officinalis</i> (rosemary), <i>Rubus idaeus</i> , <i>Sandoricum koetjape</i> (kecapi, kecaphi), <i>Sciadopitys</i> <i>verticillata</i> , <i>Sequoiadendron</i>		Kazakhstan, Kyrgyzstan, Lebanon, Malaysia, Pakistan, Philippines, Republic of Korea (South Korea), Taiwan, Tajikistan, Thailand, Turkey, Turkmenistan, Uzbekistan, Vietnam, Yemen Europe: Armenia, Azerbaijan, Belarus, Bulgaria, Cyprus, Czech Republic, Estonia, France, Greece, Hungary, Italy, Latvia, Lithuania, Moldova, Poland, Portugal, Russian Federation, Slovenia, Spain, Switzerland, Ukraine, United Kingdom Oceania: Australia, Cook Islands, Fiji, New Caledonia, New Zealand

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			<i>giganteum</i> , <i>Sesamum indicum</i> (wijen, sesame), <i>Solanum tuberosum</i> (kentang, potato), <i>Syringa vulgaris</i> (lilac), <i>Tabernae coronaria</i> , <i>Taxus</i> spp., <i>Theobroma cacao</i> (kakao, cocoa), <i>Vaccinium</i> (blubberies)		
23.	[s]: <i>Pleospora allii</i> (Rabenh.) Ces. & De Not., 1863; (Syn. <i>Cryptosphaeria herbarum</i> (Pers.) Grev., 1824, <i>Pleospora albicans</i> Fuckel, 1870, <i>Pleospora alfalfae</i> E. G. Simmons, 1986, <i>Pleospora allii</i> (Rabenh.) Ces. & De Not., 1863, <i>Pleospora asparagi</i> Rabenh. ex Sacc., 1883, <i>Pleospora asparagi</i> Rabenh., 1858, <i>Pleospora cheiranthi</i> Cocc. & Morini, 1883, <i>Pleospora denotata</i> (Cooke & Ellis) Sacc., 1883, <i>Pleospora euonymi</i> Fuckel, 1870, <i>Pleospora euonymi</i> f. <i>caulicola</i> Grove, 1933, <i>Pleospora euonymi</i> var. <i>euonymi</i> Fuckel,	I	<i>Allium cepa</i> (bawang bombay, onion), <i>Allium cepa</i> var. <i>aggregatum</i> (bawang merah, shallot), <i>Allium porrum</i> (bawang prei, leek), <i>Allium sativum</i> (bawang putih, garlic), <i>Asparagus officinalis</i> (asparagus), Aster, <i>Glycine max</i> (kedelai, soyabean), <i>Helianthus annuus</i> (bunga matahari, sunflower), <i>Mangifera indica</i> (mangga, mango), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Medicago tribuloides</i> (barrel medic), <i>Pyrus communis</i> (pir, European pear), <i>Raphanus</i>	biji (true seeds), buah (fruits), daun (leaves), polong (pods)	Indonesia: Jawa, Nusa Tenggara Barat (Lombok) Africa: Egypt, Senegal, South Africa America: Argentina, Brazil, Canada, Chile, Jamaica, USA, Venezuela Asia: China, India, Iran, Iraq, Israel, Japan, Malaysia, Republic of Korea (South Korea), Saudi Arabia, Sri Lanka, Taiwan, United Arab Emirates Europe: Belgium, Cyprus, France, Germany, Greece, Italy,

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	<p>1870, <i>Pleospora euonymi</i> f. <i>euonymi</i> Fuckel, 1870, <i>Pleospora euonymi</i> f. <i>ramealis</i> Feltgen, 1905, <i>Pleospora excavata</i> var. <i>basitricha</i> (Durieu &amp; Mont.) Sacc., 1883, <i>Pleospora frangulae</i> Fuckel, 1870, <i>Pleospora gymnocladi</i> Bagnis, 1877, <i>Pleospora herbarum</i> (Pers.) Rabenh. ex Ces. &amp; De Not., 1863, <i>Pleospora herbarum</i> (Pers.) Rabenh., 1854, <i>Pleospora herbarum</i> f. <i>amaryllidis</i> Scalia, 1900, <i>Pleospora herbarum</i> var. <i>asperulina</i> Bubák, 1914, <i>Pleospora herbarum</i> var. <i>brassicae</i> Sacc., 1890, <i>Pleospora herbarum</i> f. <i>bupthalmi</i> Scalia, 1900, <i>Pleospora herbarum</i> f. <i>camelliae</i> Speg., 1899, <i>Pleospora herbarum</i> f. <i>centranthi-rubri</i> Scalia, 1900, <i>Pleospora herbarum</i> var. <i>cheiranthi</i> (Cocc. &amp; Morini) Sacc. &amp; Traverso, 1911, <i>Pleospora herbarum</i> f. <i>cheiranthi-cheiri</i></p>		<p><i>sativus</i> (lobak, radish), <i>Solanum lycopersicum</i> (tomat, tomato)</p>		<p>Netherlands, Portugal, Slovakia, Spain, Sweden, Switzerland, United Kingdom Oceania: Australia, New Zealand, Tonga, Vanuatu</p>



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	<p>Scalia, 1900, <i>Pleospora herbarum</i> f. <i>chimonanthi</i> Scalia, 1901, <i>Pleospora herbarum</i> var. <i>cichorii</i> Cooke, <i>Pleospora herbarum</i> f. <i>citrorum</i> Sacc., 1882, <i>Pleospora herbarum</i> var. <i>cleomes</i> Bubák, 1914, <i>Pleospora herbarum</i> var. <i>coluteicola</i> Henn., 1905, <i>Pleospora herbarum</i> var. <i>coronillae</i> Gonz. Frag., 1917, <i>Pleospora herbarum</i> var. <i>coryphae</i> Cavara &amp; Mollica, 1906, <i>Pleospora herbarum</i> f. <i>crini</i> Scalia, 1901, <i>Pleospora herbarum</i> f. <i>dahliae</i> Scalia, 1900, <i>Pleospora herbarum</i> f. <i>daturae</i> Scalia, 1900, <i>Pleospora herbarum</i> f. <i>eriobotryae</i> Scalia, 1901, <i>Pleospora herbarum</i> f. <i>euonymi</i> Scalia, 1901, <i>Pleospora herbarum</i> var. <i>euphrasiae</i> (Rabenh.) Sacc., 1882, <i>Pleospora herbarum</i> f. <i>ferulae</i> Scalia, 1900, <i>Pleospora herbarum</i> f. <i>florentina</i> Cif., 1923, <i>Pleospora herbarum</i> f. <i>foliicola</i> Rehm, 1873, <i>Pleospora</i></p>				

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	<p><i>herbarum</i> var. <i>galii</i> Lambotte, 1891, <i>Pleospora herbarum</i> var. <i>genistae-ibericae</i> Gonz. Frag., 1917, <i>Pleospora herbarum</i> var. <i>glumarum</i> Berk. &amp; Broome, <i>Pleospora herbarum</i> var. <i>halimodendri</i> Gonz. Frag., 1917, <i>Pleospora herbarum</i> var. <i>herbarum</i> (Pers.) Rabenh., 1863, <i>Pleospora herbarum</i> f. <i>herbarum</i> (Pers.) Rabenh., 1863, <i>Pleospora herbarum</i> var. <i>ilicis</i> M. Bechet &amp; N. Coman, 1963, <i>Pleospora herbarum</i> var. <i>iridia</i> Cooke, <i>Pleospora herbarum</i> f. <i>lactucum</i> Padhi &amp; Snyder, 1954, <i>Pleospora herbarum</i> f. <i>lilii-martagonis</i> Scalia, 1901, <i>Pleospora herbarum</i> f. <i>liriodendri</i> Berl., 1888, <i>Pleospora herbarum</i> var. <i>liriodendri</i> Berl., 1888, <i>Pleospora herbarum</i> var. <i>lolii</i> (P. Karst. &amp; Har.) Mussat, 1901, <i>Pleospora herbarum</i> f. <i>lonicerae</i> Scalia,</p>				

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	<p>1901, <i>Pleospora herbarum</i> f. <i>magnoliae</i> Scalia, 1901, <i>Pleospora herbarum</i> f. <i>mahoniae</i> Scalia, 1901, <i>Pleospora herbarum</i> var. <i>marrubii</i> Berl., 1888, <i>Pleospora herbarum</i> f. <i>marrubii</i> Berl., 1888, <i>Pleospora herbarum</i> f. <i>microspora</i> Sacc., 1883, <i>Pleospora herbarum</i> f. <i>minor</i> Niessl, 1876, <i>Pleospora herbarum</i> var. <i>minuscula</i> Berl., 1888, <i>Pleospora herbarum</i> f. <i>nepetae</i> Gonz. Frag., 1914, <i>Pleospora herbarum</i> var. <i>occidentalis</i> Wehm., 1946, <i>Pleospora herbarum</i> var. <i>ostryae</i> Berl., 1888, <i>Pleospora herbarum</i> f. <i>phaseoli</i> Scalia, 1900, <i>Pleospora herbarum</i> var. <i>pisi</i> (Sowerby) Cooke, <i>Pleospora herbarum</i> var. <i>psoraleae</i> Berl., 1888, <i>Pleospora herbarum</i> f. <i>psoraleae</i> Berl., 1888, <i>Pleospora herbarum</i> f. <i>resedae</i> Rehm, 1881, <i>Pleospora herbarum</i> f. <i>robusta</i> Niessl, 1876, <i>Pleospora</i></p>				

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	<p><i>herbarum f. rubiae</i> Scalia, 1901, <i>Pleospora herbarum</i> var. <i>rutae</i> Henn., 1903, <i>Pleospora herbarum f. rutae</i> Scalia, 1901, <i>Pleospora herbarum f. scillae</i> Scalia, 1900, <i>Pleospora herbarum f. scrophulariae</i> Scalia, 1900, <i>Pleospora herbarum</i> var. <i>silenicola</i> Speg., 1898, <i>Pleospora herbarum f. siliquaria</i> J. Kunze, 1876, <i>Pleospora herbarum f. smilacis</i> Scalia, 1900, <i>Pleospora herbarum f. solidaginis</i> Gonz. Frag., 1914, <i>Pleospora herbarum</i> var. <i>spinicola</i> Feltgen, 1903, <i>Pleospora herbarum</i> var. <i>symphoricarpi</i> Pass., 1890, <i>Pleospora herbarum</i> var. <i>triglochinis</i> Dearn. &amp; House, 1925, <i>Pleospora herbarum f. viburni</i> Scalia, 1901, <i>Pleospora labiatarum</i> Cooke &amp; Harkn., 1880, <i>Pleospora leguminum</i> (Wallr.) Rabenh., 1858, <i>Pleospora</i></p>				

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	<p><i>lolii</i> P. Karst. &amp; Har., 1890,  <i>Pleospora mali</i> Hesler, 1927,  <i>Pleospora meliloti</i> Rabenh., 1883,  <i>Pleospora meliloti</i> f. <i>achilleae</i>  Feltgen, 1903, <i>Pleospora meliloti</i>  var. <i>medicaginis</i> Cooke &amp; Masee,  1889, <i>Pleospora meliloti</i> var.  <i>meliloti</i> Rabenh., 1883, <i>Pleospora</i>  <i>meliloti</i> f. <i>meliloti</i> Rabenh., 1883,  <i>Pleospora pisi</i> (Sowerby) Fuckel,  1870, <i>Pleospora pomorum</i> A. S.  Horne, 1920, <i>Pleospora</i>  <i>putrefaciens</i> A. B. Frank, 1896,  <i>Pleospora salsolae</i> Fuckel, 1864,  <i>Pleospora salsolae</i> var. <i>basitricha</i>  (Durieu &amp; Mont.) Berl., 1888,  <i>Pleospora salsolae</i> var. <i>salsolae</i>  Fuckel, 1864, <i>Pleospora salsolae</i>  f. <i>salsolae</i> Fuckel, 1864,  <i>Pleospora salsolae</i> var. <i>salsolae-</i>  <i>peruviana</i> Speg., 1883, <i>Pleospora</i>  <i>salsolae</i> f. <i>schoberiae</i> Sacc., 1880,  <i>Pleospora samarae</i> Fuckel, 1870,  <i>Pleospora sedicola</i> E. G.</p>				

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	<p>Simmons, 2001, <i>Pleospora tomatonis</i> E. G. Simmons, 2001, <i>Pleospora typhae</i> Pass. ex Brunaud, 1889, <i>Sphaeria allii</i> Rabenh., 1846, <i>Sphaeria asparagi</i> (Rabenh. ex Sacc.) Plowr., <i>Sphaeria brassicae</i> Lasch, 1857, <i>Sphaeria denotata</i> Cooke &amp; Ellis, 1877, <i>Sphaeria excavata</i> var. <i>basitricha</i> Durieu &amp; Mont., 1848, <i>Sphaeria herbarum</i> Pers., 1801, <i>Sphaeria herbarum</i> f. <i>euphrasiae</i> Rabenh., 1860, <i>Sphaeria leguminum</i> Wallr., 1833, <i>Sphaeria pisi</i> Sowerby, 1803, <i>Sphaeria samarae</i> (Fuckel) Plowr.); [a]: <i>Stemphylium vesicarium</i> (Wallr.) E.G. Simmons, 1969; (Syn. <i>Alternaria putrefaciens</i> (Fuckel) E. G. Simmons, 1995, <i>Ampulina herbarum</i> (Pers.) Quél., 1875, <i>Clasterosporium putrefaciens</i> (Fuckel) Sacc., 1886, <i>Clasterosporium</i></p>				

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	<p><i>putresfaciens</i> var. <i>crucipes</i> Speschnew, 1901,  <i>Clasterosporium putresfaciens</i> var. <i>putresfaciens</i> (Fuckel) Sacc., 1886,  <i>Delacourea samarae</i> (Fuckel) Cooke, <i>Exormatostoma herbarum</i> (Pers.) Gray, 1821,  <i>Helminthosporium vesicarium</i> Wallr., 1833, <i>Macrospproim cheiranthi</i> var. <i>echinellum</i> (Berk. &amp; M. A. Curtis), 1875,  <i>Macrosporium commune</i> Rabenh, 1870, <i>Macrosporium commune</i> var. <i>arachidis</i> Sacc., 1975,  <i>Macrosporium commune</i> f. <i>arachidis</i> Sacc., 1975,  <i>Macrosporium commune</i> f. <i>brassicae</i> Brunaud, 1897,  <i>Macrosporium commune</i> f. <i>calotropidis</i> Trotter, 1916,  <i>Macrosporium commune</i> f. <i>calotropidis</i> Trotter, 1912,  <i>Macrosporium commune</i> f. <i>campanulae</i> D. Sacc., 1901,</p>				

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	<p><i>Macrosporium commune</i> var. <i>commune</i> Rabenh, 1870, <i>Macrosporium commune</i> f. <i>commune</i> Rabenh, 1870, <i>Macrosporium commune</i> var. <i>echinellum</i> (Berk. &amp; M. A. Curtis) Sacc., 1886, <i>Macrosporium commune</i> f. <i>heraclei</i> Brunaud, 1897, <i>Macrosporium commune</i> f. <i>lactucae-scarilolae</i> Kabát &amp; Bubák, 1906, <i>Macrosporium commune</i> f. <i>leguminum</i> Roum., 1985, <i>Macrosporium commune</i> f. <i>musae</i> Berl. &amp; Roum., 1887, <i>Macrosporium commune</i> f. <i>pisi</i> Gonz. Frag., 1919, <i>Macrosporium commune</i> f. <i>ricinis-communis</i> Berl. &amp; Roum., 1887, <i>Macrosporium commune</i> f. <i>syringae</i> Roum., 1885, <i>Macrosporium commune</i> var. <i>theicola</i> Speschnew, 1904, <i>Macrosporium echinellum</i> Berk. &amp; M. A. Curtis, 1867, <i>Macrosporium parasiticum</i> Thüm, 1877,</p>				



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	<p><i>Macrosporium sarcinula</i> Berk., 1838, <i>Macrosporium vesicarium</i> (Wallr.) Sacc., 1886, <i>Sporidesmium putrefaciens</i> Fuckel, 1870, <i>Stemphylium alfalfae</i> E. G. Simmons, 1986, <i>Stemphylium brassicicola</i> Y. F. Pei &amp; X. G. Zhang, 2010 , <i>Stemphylium commune</i> (Rabenh.) N. F. Buchw., 1939, <i>Stemphylium cremanthodii</i> Y. F. Pei &amp; X. G. Zhang, 2009, <i>Stemphylium herbarum</i> E. G. Simmons, 1986, <i>Stemphylium mali</i> Yong Wang bis &amp; X. G. Zhang, 2009, <i>Stemphylium parasiticum</i> (Thüm.) J. A. Elliott, 1924, <i>Stemphylium sedicola</i> E. G. Simmons, 2001, <i>Stemphylium tomatonis</i> E. G. Simmons, 2001); Ascomycota, Pezizomycotina, Dothideomycetes, Pleosporales, Pleosporaceae; onion leaf blight; garlic leaf blight;</p>				

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	purple spot of asparagus; brown spot of pear; garlic leaf spot; onion leaf spot; asparagus leaf spot; Stemphylium blight of onion; leaf blight: onion; purple spot: Asparagus spp.				
24.	[s]: <i>Sclerotinia sclerotiorum</i> (Lib.) de Bary, 1884; (Syn. <i>Helotium sclerotiorum</i> (Lib.) Fuckel, 1866, <i>Hymenoscyphus sclerotiorum</i> (Lib.) W. Phillips, 1887, <i>Sclerotinia libertiana</i> Fuckel, 1870, <i>Sclerotinia opuntiarum</i> Speg., 1899, <i>Sclerotinia sclerotiorum</i> f. <i>orobanches</i> Naras. & Thirum., 1954, <i>Sclerotinia sclerotiorum</i> f. <i>sclerotiorum</i> (Lib.) de Bary, 1884, <i>Sclerotinia sclerotiorum</i> var. <i>opuntiarum</i> (Speg.) Alippi, 1960, <i>Sclerotinia sclerotiorum</i> var. <i>sclerotiorum</i> (Lib.) de Bary, 1884, <i>Whetzelinia sclerotiorum</i> (Lib.)	I	<i>Abelmoschus esculentus</i> (bendi, okra), <i>Acroptilon repens</i> (Russian knapweed), <i>Actinidia chinensis</i> (kiwi, Chinese gooseberry), <i>Actinidia deliciosa</i> (kiwifruit), <i>Alcea rosea</i> (Hollyhock), <i>Allium cepa</i> (bawang bombay, onion), <i>Allium sativum</i> (bawang putih, garlic), <i>Anemone coronaria</i> (poppy anemone), <i>Anethum graveolens</i> (adas, dill), <i>Angelica archangelica</i> (Angelica), <i>Antirrhinum majus</i> (bunga mulut singa, snapdragon), <i>Apium graveolens</i> (seledri, celery), <i>Apium graveolens</i> var.	akar (roots), batang (stems (above ground), trunks, branches), biji (true seeds, grains), buah (fruits), bunga (flowers, inflorescence s, cones, calyx), daun (leaves), tanaman, polong	Indonesia: Jawa (Jawa Barat, Jawa Tengah) Africa: Algeria, Congo, DR Congo, Egypt, Ethiopia, Kenya, Libya, Malawi, Mauritius, Morocco, Nigeria, Saint Helena, South Africa, Tanzania, Zimbabwe America: Argentina, Bermuda, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Ecuador, El Salvador, Guatemala, Mexico, Nicaragua, Panama, Peru, Uruguay, USA, Venezuela

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	<p>Korf &amp; Dumont, 1972); [a]: <i>Sclerotium varium</i> Pers., 1801; (Syn. <i>Peziza coemansii</i> J.J. Kickx, <i>Peziza sclerotiorum</i> Lib., 1837, <i>Phialea sclerotiorum</i> (Lib.) Gillet, 1881); Ascomycota, Pezizomycotina, Leotiomycetes, Helotiales, Sclerotiniaceae; cottony soft rot, white rot, Sclerotinia wilt, Sclerotinia head rot, Sclerotinia blossom blight, Sclerotinia drop Sclerotinia soft rot, Sclerotinia stalk rot, Sclerotinia stem rot, collar rot, Sclerotinia pod rot, Sclerotinia canker, Sclerotinia twig blight, watery pod rot, white mould, sclerotinia disease</p>		<p><i>Rapaceum</i> (celeriac), <i>Aquilegia</i> (Columbines), <i>Aquilegia</i> <i>flabellata</i>, <i>Arabidopsis</i> <i>thaliana</i>, <i>Arachis hypogaea</i> (kacang tanah, groundnut), <i>Arctium lappa</i> (burdock), <i>Argyranthemum frutescens</i> (marguerite daisy), <i>Asclepias</i> (Silkweed), <i>Asparagus</i> <i>officinalis</i> (asparagus), <i>Aster</i> <i>ericoides</i> (Heath aster), <i>Astragalus sinicus</i> (chinese clover), <i>Begonia tuberhybrida</i>, <i>Bellis perennis</i> (common daisy), <i>Berberis</i> (barberries), <i>Beta vulgaris</i> var. <i>saccharifera</i> (bit gula, sugar beet), <i>Borago</i> <i>officinalis</i> (Borage), <i>Brassica</i>, <i>Brassica carinata</i> (African cabbage), <i>Brassica oleracea</i> (cabbages, cauliflowers), <i>Brassica oleracea</i> var. <i>botrytis</i> (cauliflower), <i>Brassica</i> <i>oleracea</i> var. <i>capitata</i></p>	<p>(pods), tunas (shoots), umbi (bulbs, tubers, corms, rhizomes)</p>	<p>Asia: Bangladesh, China, Gaza, Georgia, India, Iran, Israel, Japan, Jordan, Lebanon, Nepal, Pakistan, Republic of Korea (South Korea), Singapore, Sri Lanka, Syria, Taiwan, Tajikistan, Thailand, Turkey, Uzbekistan, Vietnam Europe: Albania, Austria, Azerbaijan, Belarus, Belgium, Bosnia andHerzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Macedonia, Malta, Moldova, Montenegro, Netherlands,</p>

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			<p>(cabbage), <i>Brassica oleracea</i> var. <i>gemmifera</i> (Brussels sprouts), <i>Brassica oleracea</i> var. <i>gongylodes</i> (kohlrabi), <i>Brassica oleracea</i> var. <i>italica</i> (brokoli, broccoli), <i>Brassica oleracea</i> var. <i>viridis</i> (collards), <i>Brassica napus</i> var. <i>napus</i> (rape), <i>Brassica rapa</i> subsp. <i>chinensis</i> (Chinese cabbage), <i>Brassica rapa</i> subsp. <i>pekinensis</i>, <i>Brassica rapa</i> subsp. <i>rapa</i> (turnip), Brassicaceae (cruciferous crops), <i>Camellia</i>, <i>Camelina sativa</i>, <i>Campanula</i> (campanulas), <i>Cannabis sativa</i> (hemp), <i>Capsicum annuum</i> (bell pepper), <i>Capsicum frutescens</i> (cabai rawit, chilli), <i>Carduus</i> (thistle), <i>Carthamus tinctorius</i> (kesumba, safflower), <i>Carum carvi</i> (jintan putih, caraway),</p>		<p>Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Spain, Sweden, Switzerland, Ukraine, United Kingdom Oceania: American Samoa, Australia, Fiji, New Zealand, Samoa</p>

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			<p><i>Catharanthus roseus</i> (Madagascar periwinkle), <i>Centaurea</i> (Knapweed), <i>Chenopodium album</i> (fat hen), <i>Chrysanthemum</i> (krisan, daisy), <i>Cicer arietinum</i> (kacang Arab, chickpea), <i>Cichorium</i> (chicory), <i>Citrullus lanatus</i> (semangka, watermelon), Citrus, <i>Citrus aurantiifolia</i> (lemon, lime), <i>Citrus</i> <i>aurantium</i> (sour orange), <i>Citrus limonia</i> (mandarin lime), <i>Citrus maxima</i> (jeruk Bali, pummelo), <i>Citrus medica</i> (jeruk sukade, citron), <i>Citrus</i> <i>reticulata</i> (Jeruk Mandarin, mandarin), <i>Citrus sinensis</i> (jeruk, navel orange), <i>Citrus x</i> <i>paradisi</i> (grapefruit), <i>Corchorus olitorius</i> (yute, jute), <i>Coriandrum sativum</i> (ketumbar, coriander), <i>Cosmos bipinnatus</i> (garden</p>		

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			<p>cosmos), <i>Crotalaria spectabilis</i> (showy rattlepod), <i>Cucumis melo</i> (melon, melon), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Cucurbita maxima</i> (kabocha, giant pumpkin), <i>Cucurbita moschata</i> (labu, pumpkin), <i>Cucurbita pepo</i> (labu kuning, zukini, zucchini), <i>Cullen corylifolium</i> (black-dot), <i>Cynara cardunculus</i> L. var. <i>scolymus</i> (globe artichoke), <i>Cynoglossum officinale</i> (hound's tongue), <i>Datura stramonium</i> (jimsonweed), <i>Daucus carota</i> (wortel, carrot), <i>Dianthus caryophyllus</i> (anyelir, carnation), <i>Echinacea purpurea</i> (purple coneflower), <i>Echium vulgare</i>, <i>Euphorbia pulcherrima</i> (kastuba, poinsettia), <i>Eustoma grandiflorum</i> (Lisianthus (cut</p>		

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			flower crop)), <i>Felicia amelloides</i> , <i>Foeniculum vulgare</i> (adas, fennel), <i>Fragaria ananassa</i> (stroberi, strawberry), <i>Gaillardia x grandiflora</i> , <i>Glycine max</i> (kedelai, soyabean), <i>Gossypium</i> (cotton), <i>Guizotia abyssinica</i> (niger), <i>Helianthus annuus</i> (sunflower), <i>Helianthus tuberosus</i> (Jerusalem artichoke), <i>Hibiscus cannabinus</i> (kenaf), <i>Hibiscus trionum</i> (Venice mallow), <i>Humulus</i> (hop), <i>Iberis sempervirens</i> (edging candytuft), <i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Iris</i> (irises), <i>Lablab purpureus</i> (hyacinth bean), <i>Lactuca sativa</i> (selada, lettuce), <i>Lagenaria siceraria</i> (bottle gourd), <i>Lantana camara</i> (lantana), <i>Lavandula stoechas</i> ,		

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			<p><i>Lens culinaris</i> ssp. <i>culinaris</i> (lentil), <i>Lilium</i> (lili, lily), <i>Lupinus</i> (lupins), <i>Malus domestica</i> (apel, apple), <i>Malvaviscus arboreus</i> var. <i>drumondii</i>, <i>Marrubium</i> (horehound), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Melilotus</i> (melilots), <i>Mentha piperita</i> (daunt mint, peppermint), <i>Mentha spicata</i> (Spear mint), <i>Morus</i> (murbei, mulberrytree), <i>Musa</i> (pisang, banana), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Ocimum</i>, <i>Ocimum basilicum</i> (basil), <i>Osteospermum</i>, <i>Panax ginseng</i> (Asiatic ginseng), <i>Papaver somniferum</i> (Opium poppy), <i>Pastinaca sativa</i> (parsnip), <i>Pelargonium</i> (pelargoniums), <i>Persea americana</i> (alpukat, avocado), <i>Petroselinum crispum</i> (parsley),</p>		



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			Petunia, Phaseolus (beans), <i>Phaseolus coccineus</i> (runner bean), <i>Phaseolus lunatus</i> (kacang kratok, lima bean), <i>Phaseolus radiata</i> (kacang hijau), <i>Phaseolus vulgaris</i> (buncis, common bean), Phlox, <i>Pistacia vera</i> (pistachio), <i>Pisum sativum</i> (kapri, pea), Prunus (stone fruit), <i>Prunus avium</i> (ceri manis, sweet cherry), <i>Prunus</i> <i>dulcis</i> (almon, badam, almond), <i>Prunus persica</i> (peach), <i>Prunus salicina</i> (Japanese plum), <i>Ranunculus</i> <i>asiaticus</i> (garden crowfoot), <i>Ranunculus repens</i> (creeping buttercup), <i>Rhaponticum</i> <i>repens</i> (Russian knapweed), <i>Rheum hybridum</i> (rhubarb), <i>Ricinus communis</i> (jarak kepyar, castor bean), Rosa (roses), <i>Rosmarinus officinalis</i>		

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			(rosmarin, rosemary), <i>Rubus idaeus</i> (raspberry), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Sesamum indicum</i> (sesame), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum melongena</i> (terung, aubergine), <i>Solanum tuberosum</i> (kentang, potato), <i>Sonchus asper</i> , <i>Spinacia oleracea</i> (bayam, spinach), <i>Stevia rebaudiana</i> , <i>Tagetes erecta</i> (African marigold), <i>Thymus citriodorus</i> , <i>Trachyspermum ammi</i> , Trifolium (clovers), Tulipa (tulip), <i>Vaccinium corymbosum</i> (blueberry), <i>Vaccinium virgatum</i> , <i>Vicia faba</i> (broad bean), <i>Vigna angularis</i> (kacang azuki, adzuki bean), <i>Vigna mungo</i> (kacang mungo, black gram), <i>Vigna radiata</i> (kacang hijau, mung bean), Viola (violet), <i>Xanthium cavanellesii</i> ,		

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			<i>Xerochrysum bracteatum</i> , <i>Zinnia</i>		
25.	[c]: <i>Spongospora subterrana</i> (Wallr.) Lagerh., 1892; (Syn. <i>Erysibe subterranean</i> Wallr., 1892, <i>Sporosorium scabies</i> (Berk.) A. A. Fiscj. Waldh., 1877, <i>Spongospora scabies</i> (Berk.) Masee, 1908, <i>Tuburcinia scabies</i> Berk., 1846); Chromista, Cercozoa, Phytomyxea, Plasmodiophorida, Plasmodiophoridae; slimy rot, powdery scab, corky scab, corky scab: potato, powdery scab of potato, powdery scab: potato, tomato powdery scab	I	<i>Capsicum annuum</i> (paprika, bell pepper), <i>Datura stramonium</i> (jimsonweed), <i>Nicandra physalodes</i> (apple of Peru), <i>Nicotiana rustica</i> (wild tobacco), <i>Physalis peruviana</i> (Cape gooseberry), <i>Solanum Solanum lycopersicum</i> (tomat, tomato), <i>Solanum marginatum</i> (white-edged nightshade), <i>Solanum nigrum</i> (leunca, black nightshade), <i>Solanum tuberosum</i> (kentang, potato), <i>Tussilago farfara</i> (Colt's-foot), <i>Ullucus tuberosus</i> (Ulluco)	akar (roots), bonggol, media tanam (tanah) (growing media associated with plants (soil)), umbi (bulbs, tubers, corms, rhizomes)  sebagai vektor: <i>Potato mop-top pomovirus</i>	Indonesia: Jawa Africa: Algeria, Burundi, Egypt, Kenya, Madagascar, Mauritius, Morocco, Mozambique, Rwanda, South Africa, Tanzania, Tunisia, Zimbabwe America: Argentina, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Ecuador, Falkland Islands, Mexico, Panama, Peru, USA, Hawaii, Uruguay, Venezuela Asia: China, India, Iran, Israel, Japan, Kazakhstan, Kyrgyzstan, Lebanon, Nepal, Pakistan, Philippines, Sri Lanka, Taiwan, Turkey Europe: Austria,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
					Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czechoslovakia, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Macedonia, Malta, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Sweden, Switzerland, United Kingdom Oceania: Australia, New Zealand
26.	[sm]: <i>Sporisorium scitamineum</i> (Syd.) M. Piepenbr., M. Stoll & Oberw., 2002; (Syn. <i>Sphacelotheca miscanthi</i> W.Y. Yen, 1937, <i>Sporisorium mischanti</i> (W.Y. Yen) L. Guo, 1990, <i>Ustilago</i>	I	<i>Saccharum officinarum</i> (tebu, sugarcane)	batang (stems), bunga (flowers, inflorescence s, cones, calyx), daun	Indonesia: Jawa, Sulawesi (Sulawesi Selatan) Africa: Burkina Faso, Cameroon, Chad, Congo, DR Congo, Egypt, Ethiopia, Ghana, Ivory

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/ HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	<p><i>amadelpa</i> Syd., P. Syd. &amp; E.J. Butler, 1912, <i>Ustilago amadelpa</i> var. <i>amadelpa</i> Syd., P. Syd. &amp; E.J. Butler, 1912), <i>Ustilago scitaminea</i> Syd., 1924, <i>Ustilago scitaminea</i> var. <i>sacchari-barberi</i> Mundk., 1940, <i>Ustilago scitaminea</i> var. <i>sacchari-officinarum</i> Mundk., 1940, <i>Ustilago scitaminea</i> var. <i>scitaminea</i> Syd., 1924);</p> <p>[a]: - Basidiomycota, Ustilaginomycotina, Ustilaginomycetes, Ustilaginales, Ustilaginaceae; sugarcane pecut api, sugarcane smut</p>			(leaves), tunas (shoots)	Coast, Kenya, Madagascar, Malawi, Mali, Mauritius, Morocco, Mozambique, Niger, Nigeria, Réunion, Senegal, Somalia, South Africa, Sudan, Swaziland, Tanzania, Uganda, Zambia, Zimbabwe America: Argentina, Barbados, Belize, Bolivia, Brazil, Colombia, Costa Rica, Cuba, Dominican Republic, El Salvador, Guadeloupe, Guatemala, Guyana, Haiti, Honduras, Jamaica, Martinique, Mexico, Nicaragua, Panama, Paraguay, Puerto Rico, Portugal, Saint Kitts and Nevis, Suriname, Trinidad and Tobago, USA, Hawaii, Uruguay, Venezuela

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
					Asia: Afghanistan, Bangladesh, Cambodia, China, Georgia, India, Iran, Japan, Kazakhstan, Kyrgyzstan, Malaysia, Myanmar, Nepal, Oman, Pakistan, Philippines, Sri Lanka, Taiwan, Tajikistan, Thailand, Turkmenistan, Uzbekistan, Vietnam Europe: Armenia, Azerbaijan, Belarus, Latvia, Lithuania, Estonia, Moldova, Portugal, Ukraine, Russian Federation Oceania: Australia, Fiji
27.	[s]: - [a]: <i>Stagonospora sacchari</i> T.T. Lo & L. Ling, 1950; Ascomycota, Pezizomycotina, Dothideomycetes, Pleosporales, Phaeosphaeriaceae;	II	<i>Imperata cylindrica</i> (cogon grass), <i>Miscanthus japonica</i> , <i>Miscanthus sinensis</i> (eulalia), <i>Rottboellia cochinchinensis</i> (itch grass), <i>Saccharum officinarum</i> (tebu, sugarcane),	daun (leaves)	Indonesia: Jawa, Sumatera (Lampung) Africa: South Africa America: Argentina, Panama, Venezuela Asia: China, India,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/ HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	gosong daun tebu (sugarcane scorch), leaf scorch		<i>Saccharum spontaneum</i> (wild sugarcane)		Japan, Philippines, Taiwan, Thailand, Vietnam Oceania: Papua New Guinea
28.	[r]: <i>Uromycladium tepperianum</i> (Sacc.) McAlpine, 1906; (Syn. <i>Coemurus</i> <i>tepperianus</i> (Sacc.) Kuntze, 1898, <i>Uromyces tepperianus</i> Sacc., 1889); Basidiomycota, Pucciniomycotina, Pucciniomycetes, Pucciniales, Pileolariaceae; rust, gall rust	I	<i>Acacia saligna</i> (akasia, Port jackson wattle), <i>Albizia</i> <i>falcataria</i> (sengon, silk tree)	batang (stems), bibit (seedlings)	Indonesia: Bali, Jawa (Jawa Barat, Jawa Tengah, Jawa Timur), Maluku, Sulawesi, Sumatera (Bengkulu), Nusa Tenggara Barat (Lombok) Africa: South Africa Asia: Filipina, Malaysia Oceania: Australia, Papua New Guinea

7. BAKTERI (BACTERIA)

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
1.	<i>Acidovorax citrulli</i> (Schaad <i>et al.</i> 1978) Schaad <i>et al.</i> 2009; (Syn. <i>Acidovorax avenae subsp. citrulli</i> (Schaad <i>et al.</i> 1978) Willems <i>et al.</i> 1992, <i>Pseudomonas avenae subsp. citrulli</i> (Schaad <i>et al.</i> 1978) Hu <i>et al.</i> 1991, <i>Pseudomonas pseudoalcaligenes subsp. citrulli</i> Schaad <i>et al.</i> 1978); busuk buah, bacterial fruit blotch, fruit rot	I	<i>Cucurbita maxima</i> (waluh, labu parang, pumpkin), <i>Cucurbita moschata</i> (pumpkin), <i>Cucurbita pepo</i> (labu kuning, zukini, zucchini), <i>Cucumis melo</i> (melon), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Citrullus vulgaris</i> (semangka, watermelon), <i>Piper betle</i> (sirih, betel)	biji (true seed), daun (leaves), buah (fruits), batang (stems), bibit (seedlings)	Indonesia: Jawa (Jawa Tengah, Jawa Timur, DIY) America: Brazil Canada, Costa Rica, Nicaragua, Trinidad and Tobago, USA Asia: China, Iran, Israel, Japan, Malaysia, Taiwan, Thailand, Turkey Europe: Greece, Hungary, Italy Oceania: Australia, Guam, Northern Mariana Island
2.	<i>Clavibacter michiganensis subsp. michiganensis</i> (Smith 1910) Davis <i>et al.</i> 1984; (Syn. <i>Aplanobacter michiganensis</i> (Smith) Smith 1914), <i>Bacterium michiganense</i> Smith 1910,	I	<i>Capsicum annuum</i> (paprika, cabai, bell-pepper, red pepper), <i>Capsicum frutescens</i> (cabai rawit, hot pepper, chilies), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum</i>	akar (roots), batang (stems), bunga (inflorescences),	Indonesia: Jawa (DIY), Kalimantan (Kalimantan Timur, Kalimantan Utara), Sumatera (Sumatera Barat, Sumatera Selatan)



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/ HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	<p><i>Corynebacterium michiganense</i> (Smith 1910) Jensen 1934, <i>Corynebacterium michiganense pv. michiganense</i> (Smith) Dye and Kemp 1977, <i>Corynebacterium michiganense subsp. michiganense</i> (Smith) Carlson and Vivader 1982, <i>Erwinia michiganensis</i> (Smith) Jensen 1934, <i>Mycobacterium michiganense</i> (Smith) Krasil'nikov 1941, <i>Phytomonas michiganensis</i> (Smith) Bergey <i>et al.</i> 1923, <i>Pseudomonas michiganense</i> (Smith) Stevens 1913, <i>Pseudomonas michiganensis</i> (Smith) Stevens); bacterial canker of tomato, bird's eye spot, vascular tomato wilt, bacterial wilt</p>		<p><i>melongena</i> (terung, eggplant, aubergine), <i>Solanum mammosum</i>, <i>Solanum Dauglasii</i> (greenspot nightshade), <i>Solanum Nigrum</i> (lenca, ranti, black nightshade), <i>Solanum Triforum</i> (cutleaf nightshade)</p>	<p>buah(fruits), biji (true seed), daun (leaves), media tanam (growing media)</p>	<p>Africa: Egypt, Kenya, Madagascar, Morocco, South Africa, Tanzania, Togo, Tunisia, Uganda, Zambia, Zimbabwe America: Argentina, Belize, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, Grenada, Guadeloupe, Mexico, Panama, Peru, USA, Uruguay Asia: China, Georgia, India, Iran, Israel, Japan, Kazakhstan, Kyrgyzstan, Lebanon, Republic of Korea (South Korea), Syria, Tajikistan, Turkmenistan, Turkey, Uzbekistan Europe: Armenia, Austria, Azerbaijan,</p>

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
					Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Estonia, France, Germany, Greece, Hungary, Italy, Latvia, Lithuania, Moldova, Montenegro, Netherlands, North Macedonia, Poland, Romania, Russia, Serbia, Slovenia, Spain, Switzerland, Ukraine Oceania: Australia, Fiji, Guam, New Caledonia, New Zealand, Tonga
3.	<i>Dickeya zae</i> Samson <i>et al.</i> 2005; (Syn. <i>Bacterium carotovorum</i> f.sp. <i>zae</i> Sabet 1954, <i>Erwinia carotovora</i> f.sp. <i>zae</i> Sabet 1954, <i>Erwinia chrysanthemi</i> corn pathotype Dye 1969, <i>Erwinia chrysanthemy</i> biovar. 8, <i>Erwinia chrysanthemi</i> pv. <i>zae</i> (Sabet 1954) Victoria <i>et al.</i> 1975,	I	<i>Allium</i> spp. (bawang-bawangan), <i>Ananas comosus</i> (nanas, pineapple), <i>Brachiaria</i> sp, <i>Chrysanthemum</i> sp. (krisan, chrysanthemum), <i>Musa</i> sp. (pisang, banana), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Oryza sativa</i> (padi,	benih (true seed), bahan perbanyakan vegetatif (vegetative propagation material), umbi (bulbs,	Indonesia: Kalimantan (Kalimantan Barat), Sulawesi (Sulawesi Barat), Sumatera (Lampung) Africa: Comoros, Egypt, Mauritius, Réunion, South Africa, Sudan,

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	<i>Erwinia maydis</i> Kelman <i>et al.</i> 1957, <i>Pectobacterium carotovorum</i> f.sp <i>zear</i> (Sabet) Dowson 1957, <i>Pectobacterium carotovorum</i> var. <i>graminarum</i> Dowson and Hayward 1960, <i>Pectobacterium chrysanthemi</i> pv. <i>zear</i> Kelman 1974); bacterial stalk rot of maize, bacterial wilt and soft rot of pineapple, stalk rot of maize		paddy, rice), <i>Phalaenopsis</i> sp. (angrek bulan, moth orchid), <i>Solanum tuberosum</i> (kentang, potato), <i>Zea mays</i> (jagung, corn, maize)	corms, tubers), batang (stems), daun (leaves), media tanam (growing media), tanah (soils)	Zimbabwe America: Brazil, Colombia, Costa Rica, Cuba, Guyana, Honduras, Jamaica, Mexico, Panama, Puerto Rico, USA Asia: China, DPR Korea (North Korea), India, Iran, Japan, Malaysia, Philippines, Republic of Korea (South Korea), Taiwan Europe: France, Germany, Greece, Italy, Netherlands, Portugal, Russian Federation, Spain, Switzerland, United Kingdom Oceania: Australia, Cook Islands, New Zealand
4.	<i>Leifsonia xyli</i> subsp. <i>xyli</i> (Davis <i>et al.</i> 1984) <i>Evtushenko et al.</i> 2000); (Syn. <i>Clavibacter xyli</i> Davis <i>et al.</i>	I	<i>Brachiaria</i> spp., <i>Chloris gayana</i> , <i>Cynodon dactylon</i> (rumput bermuda, bermuda	akar (roots), batang (stems), bibit	Indonesia: Jawa, NTT (Sumba) Africa: Burkina Faso,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	1984), <i>Clavibacter xyli subsp. xyli</i> Davis <i>et al.</i> 1984); ratoon stunting of sugarcane, sugarcane ratoon stunting disease		grass), <i>Echinochloa colonum</i> , <i>Imperata cylindrica</i> (alang- alang, cogon grass), <i>Panicum</i> <i>maximum</i> (rumput Benggala, Guinea grass), <i>Pennisetum</i> <i>purpureum</i> (rumput gajah, elephant grass), <i>Rhynchelytrum repens</i> , <i>Saccharum</i> , <i>Saccharum</i> <i>officinarum</i> (tebu, sugarcane), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Zea mays</i> (jagung, corn, maize)	(seedlings), bunga (inflorescence s), mata tunas (buds), stek (cuttings)	Cameroon, Comoros, Egypt, Ethiopia, Djibouti, DR Congo, Ivory Coast, Kenya, Madagascar, Malawi, Mali, Mauritius, Mozambique, Nigeria, Réunion, Seychelles, Somalia, South Africa, Sudan, Swaziland, Tanzania, Uganda, Zimbabwe America: Antigua and Barbuda, Argentina, Barbados, Belize, Bolivia, Brazil, Colombia, Cuba, Dominican Republic, El Salvador, French Guiana, Guadeloupe, Guyana, Hawaii, Jamaica, Mexico, Nicaragua, Panama, Peru, Puerto Rico, Saint Kitts and Nevis, Trinidad and Tobago, Uruguay, USA, Venezuela

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
					Asia: Bangladesh, China, India, Japan, Malaysia, Myanmar, Pakistan, Philippines, Sri Lanka, Taiwan, Thailand Europe: Spain Oceania: Australia, Fiji
5.	<i>Pantoea ananatis</i> (Serrano, 1928), Mergaert, 1993; (Syn. <i>Bacillus ananas</i> Serrano 1928, <i>Bacterium ananas</i> (Serrano) Burgvits 1935, <i>Chromobacterium ananas</i> (Serrano) Krasil'nikov 1949, <i>Erwinia ananatis</i> pv. <i>uredovora</i> (Pon et al. 1954) Dye 1978, <i>Erwinia ananatis</i> Corrig. Serrano 1928, <i>Erwinia herbicola</i> var. <i>ananas</i> (Serrano) Dye 1969, <i>Erwinia urediniolytica</i> Borders 1938, <i>Erwinia uredovora</i> Pon et al. 1954, <i>Pantoea ananas</i> pv. <i>ananas</i> (Serrano 1928) Mergaert et al. 1993, <i>Pantoea ananas</i> pv. <i>uredovora</i> (Pon et al. 1954) comb.nov., <i>Pantoea ananatis</i> pv. <i>ananas</i> (Serrano, 1928)	I	<i>Allium cepa</i> (bawang bombay, onion), <i>Allium fistulosum</i> (bawang daun, welsh onion), <i>Ananas comosus</i> (nanas, pineapple), <i>Arachis hypogaea</i> (kacang tanah, peanut), <i>Cucumis melo</i> (melon, muskmelon), <i>Eucalyptus grandis</i> (ekaliptus, saligna gum), <i>Eucalyptus nitens</i> (shining gum), <i>Gossypium hirsutum</i> (kapas, cotton), <i>Oryza sativa</i> (padi, paddy, rice), <i>Prunus persica</i> (persik, peach), <i>Saccharum officinarum</i> (tebu, sugarcane), <i>Solanum lycopersicum</i> (tomat, tomato),	tunas (buds, shoots), buah (fruits), biji (true seed), batang (stems), umbi (bulb, corm, tuber), daun (leaves), tanaman hasil mikropropagasi (planlet) (micropropagated plants),	Indonesia: Jawa (Jawa Tengah), Sulawesi (Sulawesi Barat, Sulawesi Selatan), Sumatera (Barat) Africa: Benin, Morocco, Nigeria, South Africa, Togo, Zimbabwe America: Argentina, Brazil, Guatemala, Guyana, Haiti, Mexico, Puerto Rico, USA, Venezuela Asia: Cambodia, China, India, Japan, Malaysia, Philippines, Republic of Korea (South Korea),

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/ HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	Mergaert <i>et al.</i> 1993, <i>Pantoea ananatis</i> pv. <i>uredovora</i> (Pon <i>et al.</i> , 1954) Mergaert <i>et al.</i> 1993, <i>Pectobacterium ananas</i> (Serrano) Patel and Kulkarni 1951, <i>Pectobacterium ananatis</i> pv. <i>ananatis</i> , <i>Xanthomonas uredovora</i> ); andandand fruitlet rot of pineapple, brown rot of pineapple, marbling disease (of pineapple fruit), pink disease of pineapple		<i>Sorghum bicolor</i> (sorgum, sorghum), <i>Zea mays</i> (jagung, corn, maize)		Taiwan Europe: Italy, Poland, Russia Oceania: Australia
6.	<i>Pantoea stewartii</i> (Smith 1898) Mergaert <i>et al.</i> 1993; (Syn. <i>Aplanobacter stewartii</i> (Smith) McCulloch 1918, <i>Bacillus stewartii</i> (Smith) Holland 1920, <i>Bacterium stewartii</i> (Smith 1898) Smith 1905, <i>Erwinia stewartii</i> (Smith 1898) Dye 1963, <i>Pantoea stewartii</i> subsp. <i>stewartii</i> (Smith 1898) Mergaert <i>et al.</i> 1993, <i>Phytomonas stewartii</i> (Smith) Bergey <i>et al.</i> 1923, <i>Pseudobacterium stewartii</i> (Smith) Krasilnikov 1949,	I	<i>Agrostis alba</i> , <i>Agrostis gigantea</i> (black bent), <i>Artocarpus heterophyllus</i> (nangka, jack fruit), <i>Avena sativa</i> (haver, oat), <i>Coix lacryma-jobi</i> , <i>Echinochloa americana</i> , <i>Cucumis sativus</i> (mentimun, cucumber), <i>Dracaena sanderiana</i> , <i>Panicum</i> spp., Poaceae (Gramineae), <i>Saccharum officinarum</i> (tebu, sugarcane),	akar (roots), batang (stems), biji (true seed), bunga (inflorescence s), daun (leaves) Vektor: <i>Chaetocnema pulicaria</i> , <i>Agrotis</i>	Indonesia: Jawa, Nusa Tenggara Barat (Lombok), Sulawesi, Sumatera Africa: Benin, Togo America: Argentina, Bolivia, Brazil, Canada, Costa Rica, Guyana, Mexico, Paraguay, Puerto Rico, Peru, Trinidad and Tobago, USA Asia: China, India, Malaysia, Republic of

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	<i>Pseudomonas stewartii</i> Smith 1898, <i>Xanthomonas stewartii</i> (Smith) Dowson 1939); bacterial blight of maize, bacterial wilt of maize, maize bacteriosis, Stewart's wilt		<i>Setaria pumila</i> , <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Trapsacum</i> spp., <i>Triticum aestivum</i> (gandum, wheat), <i>Vigna radiata</i> (kacang hijau, mungbean), <i>Zea mays</i> (jagung, corn, maize), <i>Zea mays</i> subsp. <i>mays</i> (sweetcorn), <i>Zea mays</i> subsp. <i>parviglumis</i> , <i>Zea mexicana</i> (teosinte), <i>Zea perennis</i>	<i>manchus</i> , <i>Chaetocnema denticulata</i> , <i>Diabrotica nigricornis</i> , <i>D. undecimpuncta</i> , <i>D. versifera</i> , <i>Hylemya cilicrura</i>	Korea (South Korea), Thailand, Europe: Italy, Slovenia, Ukraine
7.	<i>Pseudomonas cichorii</i> (Swingle 1925) Stapp. 1928; (Syn. <i>Bacterium cichorii</i> (Swinge) Elliott 1930, <i>Bacterium endiviae</i> Kotte 1930, <i>Bacterium formosanum</i> Okabe 1935, <i>Chlorobacter cichorii</i> Swingle 1925, <i>Phytomonas endiviae</i> Kotte) Clara 1934, <i>Pseudomonas endiviae</i> Kotte 1930, <i>Pseudomonas formosanum</i> (Okabe) Krasil'nikov 1949, <i>Pseudomonas papaveris</i> (Takimoto) Okabe and Goto 1955); bacterial leaf blight, bacterial blight	I	<i>Abelmoschus esculentus</i> (okra, achra), <i>Agaricus</i> , <i>Allium sativum</i> (bawang putih, garlic), <i>Arracacia xanthorrhiza</i> (arracacha), <i>Apium graveolens</i> (seledri, celery), <i>Barleria cristata</i> (philippine violet), <i>Brassica napus</i> var. <i>napus</i> (rape), <i>Brassica oleracea</i> var. <i>botrytis</i> (bunga kol, cauliflower), <i>Brassica oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Brassica rapa</i> ssp. <i>oleifera</i>	batang (stems), bibit (seedlings), biji (seeds), daun (leaves), bunga (inflorescences), organ vegetatif (vegetative material), tunas (buds, shoots)	Indonesia: Jawa (Jawa Barat) Africa: Burundi, South Africa, Tanzania America: Argentina, Barbados, Brazil, Canada, Chile, Cuba, Hawaii, Puerto Rico, USA Asia: China, India, Iran, Japan, Republic of Korea (South Korea), Taiwan, Turkey Europe: France,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	of endive, bacterial leaf spot, midrib rot, leaf spot and blighting		(turnip rape), <i>Brassica rapa</i> subsp. <i>chinensis</i> (Chinese cabbage), <i>Brassica rapa</i> subsp. <i>pekinensis</i> (Pe-tsai), <i>Calendula officinalis</i> (Pot marigold), Camellia, Capsicum (peppers), <i>Capsicum annuum</i> (paprika, cabai, bell pepper), <i>Carthamus tinctorius</i> (kesumba, safflower), <i>Centaurea cyanus</i> (cornflower), <i>Citrullus lanatus</i> (semangka, watermelon), <i>Coffea arabica</i> (arabica coffee), Cyclamen, <i>Chrysanthemum</i> (daisy), <i>Chrysanthemum coronarium</i> (garland chrysanthemum), <i>Chrysanthemum morifolium</i> (chrysanthemum (florists)), <i>Chrysanthemum vestitum</i> , <i>Cichorium endivia</i> (endives), <i>Cichorium endivia</i> subsp. <i>endivia</i> (endives), <i>Cichorium</i>		Germany, Greece, Italy, North Macedonia, Portugal, Russian Federation, Spain, Ukraine, United Kingdom Oceania: Australia, New Caledonia, New Zealand



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			<p><i>endivia</i> var. <i>crispum</i> (Winter endive), <i>Cichorium intybus</i> (chicory), <i>Dahlia</i> sp., <i>Daucus carota</i> (wortel, carrot), <i>Ficus lyrata</i> (fiddle-leaf fig), <i>Gerbera</i> (Barbeton daisy), <i>Gerbera jamesonii</i> (African daisy), <i>Glycine max</i> (kedelai, soyabean), <i>Hibiscus rosa-sinensis</i> (China-rose), <i>Hedera helix</i> (ivy), <i>Helianthus</i> (bunga matahari, sunflower), <i>Hydrangea</i> (hydrangeas), <i>Lactuca sativa</i> (selada, lettuce), <i>Magnolia grandiflora</i> (Southern magnolia), <i>Malus domestica</i> (apel, apple), <i>Mentha arvensis</i> (corn mint), <i>Monstera deliciosa</i> (ceriman), <i>Musa</i> sp. (banana), <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Ocimum basilicum</i> (kemangi, basil), <i>Panax ginseng</i> (Asiatic ginseng), <i>Papaver nudicaule</i></p>		

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			(Iceland poppy), <i>Papaver orientale</i> (Oriental poppy), <i>Pernettya mucronata</i> (prickly heath), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Potentilla</i> (Cinquefoil), <i>Primula polyantha</i> , <i>Prunus persica</i> (persik, peach), <i>Pyracantha</i> (Firethorn), <i>Pyrus communis</i> (pir, pear), <i>Pelargonium</i> (pelargoniums), <i>Ranunculus acris</i> (meadow buttercup), <i>Rhododendron catawbiense</i> , <i>Scindapsus</i> , <i>Solanum melongena</i> (terung, eggplant, aubergine), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Spathiphyllum</i> , <i>Triticum aestivum</i> (gandum, wheat), <i>Vigna angularis</i> (adzuki bean), <i>Viburnum</i> , <i>Xanthosoma brasiliens</i>		
8.	<i>Pseudomonas syringae</i> pv. <i>lachrymans</i> (Smith and Bryan) Young	I	<i>Benincasa hispida</i> (bligo, wax gourd), <i>Cucumis sativus</i>	batang (stems), biji	Indonesia: Jawa (Jawa Barat, Jawa Tengah,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/ HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR / GEOGRAPHICAL DISTRIBUTION
	<p>Dye and Wilkie <i>et al.</i> 1978; (Syn. <i>Bacillus lachrymans</i> (Smith and Bryan) Holland 1920, <i>Bacterium burgeri</i> (Potebnya) Burgvits 1935, <i>Bacterium lachrimans</i> Smith and Bryan 1915, <i>Chlorobacter lachrymans</i> (Smith and Bryan) Patel and Kulkarni 1951, <i>Phytomonas lachrymans</i> (Smith and Bryan) Bergey <i>et al.</i> 1923, <i>Pseudomonas burger</i> (Potebnya) Korobko and Nikiforuk 1972, <i>Pseudomonas lachrymans</i> (Smith and Bryan) carsner 1918, <i>Pseudomonas lachrymans f.sp.cucumis</i> Gorlenco 1961); angular leaf spot of cucumber, bacterial spot of cucurbit, curcubit angular leaf spot</p>		<p>(mentimun, cucumber), <i>Citrullus lanatus</i> (semangka, watermelon), <i>Cucumis anguria</i>, <i>Cucumis melo</i> (melon, muskmelon), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Cucurbita moschata</i> (pumpkin), <i>Cucurbita pepo</i> (labu kuning, zukini, zucchini), <i>Cucurbitaceae</i>, <i>Luffa acutangula</i> (gambas, angled luffa), <i>Sechium edule</i>, <i>Solanum melongena</i> (terung, eggplant, aubergine)</p>	<p>(true seed), bibit (seedlings), buah (fruits), daun (leaves), kulit (bark), planlet</p>	<p>Banten), Sumatera (Sumatera Selatan) Africa: Algeria, Egypt, Gabon, Kenya, South Africa, Zimbabwe America: Argentina, Brazil, Canada, Colombia, Guadeloupe, Martinique, Mexico, Nicaragua, Puerto Rico, USA, Venezuela Asia: China, DPR Korea (North Korea), India, Iran, Iraq, Israel, Japan, Jordan, Kazakhstan, Lao PDR (Laos) Philippines, Republic of Korea (South Korea), Tajikistan, Thailand, Turkey, Uzbekistan Europe: Austria, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark,</p>

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					France, Germany, Greece, Hungary, Italy, Moldova, Montenegro, Netherlands, North Macedonia, Poland, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Switzerland, Ukraine, UK Oceania: Australia, New Zealand
9.	<i>Pseudomonas syringae</i> pv. <i>mori</i> (Boyer and Lambert 1893) Young et al. 1978; (Syn. <i>Bacillus mori</i> (Boyer and Lambert) Holland 1920, <i>Bacterium mori</i> Boyer and Lambert 1893, <i>Chlorobacter mori</i> (Boyer and Lambert) Patel and Kulkarni 1951, <i>Phytomonas mori</i> (Boyer and Lambert) Stevens 1913, <i>Pseudomonas mori</i> pv. <i>huszi</i> Klement, Lovrekovich and Hevesi 1960); bacterial blight, mulberry blight	I	<i>Cannabis sativa</i> (hemp), <i>Morus</i> sp., <i>Morus bombycis</i> (Japanese mulberry), <i>Morus nigra</i> (black mulberry), <i>Morus rubra</i> (red mulberry tree), <i>Morus alba</i> (murbei, mulberry), <i>Morus</i> (mulberry tree), <i>Phaseolus lunatus</i> (lima bean)	batang (stems), biji (true seed), daun (leaves)	Indonesia: Jawa Africa: South Africa, Tanzania, Uganda, Zimbabwe America: Brazil, Canada, Caribbean, USA Asia: China, DPR Korea (North Korea), Georgia, India, Iran, Japan, Kazakhstan, Kyrgyzstan, Pakistan, Republic of Korea (South Korea), Tajikistan,

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	bacterial, mulberry leaf spot				Turkmenistan, Turkey, Uzbekistan Europe: Armenia, Azerbaijan, Belarus, Bulgaria, Czech Republic, Estonia, France, Germany, Hungary, Italy, Latvia, Lithuania, Moldova, Russia, Romania, Slovakia, United Kingdom, Ukraine Oceania: Australia, New Zealand
10.	<i>Pseudomonas viridiflava</i> (Burkholder 1930) Dowson 1939; (Syn. <i>Bacterium viridiflavum</i> (burkholder) Burgvits 1935, <i>Chlorobacter viridiflavus</i> (Burkholder) Patel and Kulkarni 1951, <i>Phytomonas viridiflava</i> Burkholder 1930; bacterial blight of tomato; Hydrangea bud blight; bacterial necrosis of basil; bacterial rot of lettuce; bacterial rot of Chinese cabbage; bacterial soft rot of	I	<i>Actinidia deliciosa</i> (kiwi, kiwifruit), <i>Allium cepa</i> (bawang bombay, onion), <i>Anethum graveolens</i> (dill), <i>Apium graveolens</i> (seledri, celery), <i>Apium graveolens</i> var. <i>dulce</i> (seledri, celery), <i>Brassica</i> spp., <i>Capsicum annuum</i> (paprika, cabai, bell pepper), <i>Cucumis melo</i> (melon, muskmelon), <i>Cucumis sativus</i> (mentimun,	akar (roots), batang (stems), bibit (seedlings), biji (true seed), daun (leaves), buah (fruits), bunga (inflorescence), media tanam	Indonesia: Jawa (Jawa Timur) Africa: Algeria, Egypt, Kenya, Morocco, Tanzania, Uganda America: Argentina, Brazil, Uruguay, USA, Venezuela Asia: China, Iran, Japan, Jordan, Nepal, Republic of Korea (South Korea),

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
	tomato; bacterial blossom blight of kiwi		cucumber), <i>Citrullus lanatus</i> (semangka, watermelon) <i>Cucurbita maxima</i> (waluh, labu parang, pumpkin), <i>Hydrangea</i> (hydrangeas), <i>Solanum lycopersicum</i> (tomat, tomato), <i>Actinidia chinensis</i> (Chinese gooseberry), <i>Allium fistulosum</i> (bawang daun, welsh onion), <i>Brassica oleracea</i> var. <i>botrytis</i> (bunga kol, cauliflower), <i>Brassica oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Brassica oleracea</i> var. <i>gemmifera</i> (Brussels sprouts), <i>Calendula officinalis</i> (Pot marigold), <i>Capsicum frutescens</i> (cabai rawit, chilli), <i>Carthamus tinctorius</i> (kesumba, safflower), <i>Chrysanthemum indicum</i> (krisan, chrysant), <i>Cichorium endivia</i> (endives), <i>Citrus aurantium</i> (jeruk, sour	(growing media), tanaman hasil mikropropagasi (micropropagated plants)	Saudi Arabia, Turkey Europe: Belgium, Bulgaria, Bosnia and Herzegovina, Croatia, Czech Republic, France, Germany, Greece, Hungary, Italy, Montenegro, Netherlands, North Macedonia, Poland, Portugal, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Switzerland, United Kingdom Oceania: Australia, New Zealand

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			orange), <i>Citrus macrophylla</i> (alemow), <i>Citrus sinensis</i> (jeruk manis, navel orange), <i>Cyclamen persicum</i> (cyclamens), <i>Cynara cardunculus</i> (artichoke), <i>Eschscholzia californica</i> (california poppy), <i>Euphorbia pulcherrima</i> (poinsettia), <i>Eutrema wasabi</i> (wasabi), <i>Forsythia suspensa</i> , <i>Glycine max</i> (kedelai, soyabean), <i>Lablab purpureus</i> (hyacinth bean), <i>Lotus corniculatus</i> (bird's-foot trefoil), <i>Lupinus angustifolius</i> (lupin), <i>Malus domestica</i> (aple, apel), <i>Medicago sativa</i> (alfalfa, lucerne), <i>Nicotiana rustica</i> (wild tobacco), <i>Papaver</i> (poppies), <i>Papaver nudicaule</i> (Iceland poppy), <i>Passiflora edulis</i> (markisa, passionfruit), <i>Pastinaca sativa</i> (parsnip),		

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			<p><i>Petroselinum crispum</i> (peterseli, parsley), <i>Petunia hybrida</i>, <i>Phaseolus coccineus</i> (runner bean), <i>Phaseolus lunatus</i> (lima bean), <i>Phaseolus vulgaris</i> (buncis, common bean), <i>Pisum sativum</i> (kapri, sweet pea), <i>Prunus armeniaca</i> (aprikot, apricot), <i>Prunus avium</i> (sweet cherry), <i>Pseudopanax</i>, <i>Pyruscommunis</i> (European pear), <i>Rosa</i> (mawar, roses), <i>Sorghum bicolor</i> (sorgum, sorghum), <i>Sorghum sudanense</i> (Sudan grass), <i>Tanacetum coccineum</i> (common pyrethrum), <i>Trifolium pratense</i> (purple clover), <i>Tropaeolum majus</i> (common nasturtium), <i>Vaccinium corymbosum</i> (blueberry), <i>Vicia faba</i> (broad bean), <i>Vigna angularis</i> (adzuki bean), <i>Vigna unguiculata</i></p>		



No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			(kacang panjang, cowpea), <i>Viola</i> (violet), <i>Vitis vinifera</i> (anggur, grapevine), <i>Zea mays</i> (jagung, maize, corn), <i>Zinnia</i> <i>elegans</i> (zinnia)		
11.	<i>Ralstonia syzygii</i> subsp. <i>syzygii</i> ; (Syn. <i>Ralstonia syzygii</i> , <i>Pseudomonas</i> <i>syzygii</i> ); Sumatera disease of clove, bacterial wilt of potato	I	<i>Eugenia</i> spp., <i>Syzygium</i> <i>aromaticum</i> (cengkeh, clove), <i>Syzygium</i> spp.	akar (roots), batang (stems), bibit (seedlings), daun (leaves)  Vektor: Hemiptera, Machaerotida e: <i>Hindola</i> spp.	Indonesia: Bali, Jawa, Kalimantan (Kalimantan Selatan), Maluku, Sulawesi, Sumatera (Lampung)
12.	<i>Xanthomonas citri</i> subsp. <i>citri</i> (Gabriel <i>et al.</i> 1989) Schaad <i>et al.</i> 2007; (Syn. <i>Bacillus citri</i> (Hasse) Holland 1920, <i>Xanthomonas axonopodis</i> pv. <i>aurantifolii</i> Vauterin <i>et al.</i> 1995, <i>Xanthomonas axonopodis</i> pv. <i>citri</i> (ex. Hasse 1915) Vauterin <i>et al.</i> 1995, <i>Xanthomonas campestris</i> pv.	I	<i>Aegle marmelos</i> (maja, golden apple), <i>Ageratum conyzoides</i> (babandotan, billy goat weed), <i>Casimiroa edulis</i> (white sapote), <i>Citrus</i> spp, <i>Eremocitrus glauca</i> (Australian desert lime), <i>Fortunella</i> <i>japonica</i> (round kumquat),	Buah (fruits), daun (leaves, ranting (twigs), tanah (soil)	Indonesia: Jawa, Papua Afrika: Benin, Burkina Faso, Comoros DR Congo, Ivory Coast, Ethiopia, Gabon, Madagascar, Mali, Mauritius, Mayotte, Mozambique, Reunion,

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	<p><i>aurantifolii</i> Gabriel et al., 1989, <i>Xanthomonas campestris</i> pv. <i>citri</i> (Hasse 1915) Dye 1978, <i>Xanthomonas citri</i> f.sp. <i>aurantifoliae</i> Namekata &amp; Oliveira 1972), <i>Xanthomonas fuscans</i> ssp. <i>aurantifolii</i> Schaad et al. 2005, <i>Xanthomonas</i> <i>smithii</i> subsp. <i>citri citri</i> (Gabriel et al. 1989) Schaad et al. 2007; Citrus canker</p>		<p><i>Fortunella margarita</i> (oval kumquat), <i>Limonia acidissima</i> (elephant apple), <i>Mangifera</i> <i>indica</i> (manga, mango), <i>Poncirus trifoliata</i> (trifoliata orange)</p>		<p>Senegal, Seychelles, Somalia, Sudan, Tanzania America: Argentina, Bolivia, Brazil, USA, Paraguay, Uruguay Asia: Afghanistan, Bangladesh, Cambodia, China, Cocos Island, Hongkong, India, Iran, Iraq, Japan, Lao PDR, Malaysia, Maldives, Myanmar, Nepal, DPR Korea (North Korea), Oman, Pakistan, Philippines, Saudi Arabia, Singapore, Republic of Korea (South Korea), Sri Lanka, Taiwan, Thailand, United Arab Emirates, Vietnam, Yemen Oceania: Australia, Fiji, Guam, Marshall Islands,</p>

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					Palau, Papua New Guinea, Solomon Islands, Timor Leste

8. VIRUS (VIRUSES)

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
1.	<i>Banana streak badnavirus</i> (BSV); (Syn. <i>Banana streak disease</i> , <i>Banana streak virus</i> , <i>Banana streak GF Virus</i> , <i>Banana streak mysorevirus</i> , <i>Banana streak OL virus</i> )	I	<i>Heliconia</i> sp. (pisang hias), <i>Musa</i> spp. (pisang)	bibit (seedlings, micropropagated plants), bonggol (setts), biji (true seeds, grains), daun (leaves)	Indonesia: Jawa Barat, Sumatera (Lampung) Africa: Benin, Canary Islands, Cameroon, Cape Verde, Egypt, Ghana, Guinea, Ivory Coast, Kenya, Madagascar, Malawi, Mauritius, Morocco, Nigeria, Rwanda,

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/ HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
				Vector <i>Pseudococcida</i> <i>e (planococcus</i> <i>citri)</i>	South Africa, Tanzania, Uganda America: Brazil, Colombia, Costa Rica, Cuba, Ecuador, Grenada, Guadeloupe, Haiti, Honduras, Jamaica, Nicaragua, Puerto Rico, Saint Lucia, Trinidad and Tobago, USA, Virgin Islands, Venezuela Asia: China, India, Jordan, Malaysia, Philippines, Sri Lanka, Taiwan, Thailand Europe: Portugal, Spain Oceania: Australia, New Caledonia, Papua New Guinea, Samoa, Tonga
2.	<i>Carnation mottle alphacarmovirus</i> (CarMV); (Syn. <i>Carnation mottle virus</i> , <i>Carnation</i> <i>mottle carmovirus</i> )	I	<i>Begonia</i> spp., <i>Daphne odora</i> (fragrant daphne), <i>Dianthus</i> <i>barbatus</i> (sweets williams), <i>Dianthus caryophyllus</i> (carnation), <i>Dianthus superbus</i>	akar (roots), batang (stems (above grounds), trunks,	Indonesia: Jawa (Jawa Barat) Africa: Egypt America: Argentina, Brazil, Canada, Chile.

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
			(fringed print), <i>Saponaria officinalis</i> (soapwort), <i>Phalaenopsis</i> sp., <i>Vaccaria hispanica</i> , <i>Zantedeschia</i> spp. (calla lily)	branches), bibit (seedlings, micropropagated plants), bunga (flowers, inflorescences), daun (leaves), suluran (stolon), tunas (shoots, buds)  Vektor: <i>Aphis gossypii</i>	Colombia, Cuba, Georgia, Mexico, USA, Venezuela Asia: China, India, Iran, Israel, Japan, Lebanon, Kazakhstan, Kyrgystan, Republic of Korea, Taiwan, Tajikistan, Turkmenistan, Turkey, Uzbekistan Europe: Armenia, Azerbaijan, Belarus, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, France, Germany, Latvia, Lithuania, Moldova, Hungary, Italy, Ukraine, Russia, Slovakia Oceania: Australia, New Zealand
3.	<i>Citrus exocortis</i> pospiviroid (CEVd); (Syn. <i>Citrus exocortis</i> viroid, <i>citrus exocortis</i> )	I	<i>Brassica rapa</i> subsp. <i>oleifera</i> (turnip rape), <i>Citroncirus webberi</i> (citrangle), <i>Citrus limon</i> (lemon), <i>Citrus limonia</i> (jeruk limau, mandarin lime), <i>Citrus</i>	akar (roots), batang (stems (above ground), trunks,	Indonesia: Jawa (Jawa Timur) Africa: Algeria, Cameron, Egypt, Ethiopia, Ghana, Ivory coast, Libya,

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			<p><i>reticulata</i> x <i>Poncirus trifoliata</i> (citrumelo), <i>Poncirus trifoliata</i> (trifoliata orange), <i>Chrysanthemum vestitum</i>, Citrus, <i>Daucus carota</i> (wortel, carrot), <i>Gynura aurantiaca</i> (java velvet plant), <i>Gynura procumbens</i>, <i>Impatiens walleriana</i>, <i>Petunia hybrida</i>, <i>Poncirus trifoliata</i> (Trifoliata orange), <i>Solanum jasminoides</i>, <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum melongena</i> (terung, aubergine, eggplant), <i>Solanum tuberosum</i> (kentang, potato), <i>Tagetes patula</i> (French marigold), Verbana, <i>Vicia faba</i> (kacang babi, broad bean), <i>Vitis vinifera</i> (anggur, grapevine)</p>	<p>branches), bibit (seedlings, micropropagated plants), biji (true seeds, grains), bunga (flowers, inflorescences), buah (fruits), daun (leaves), tanaman (whole plants), tunas (shoots, buds)</p>	<p>Madagascar, Mauritius, Morocco, Mozambique, Nigeria, Sierra Leone, Somalia, South Africa, Sudan, Tunisia, America: Canada, Cuba, Guadeloupe, Jamaica, Martinique, Mexico, Trinidad and Tobago, USA, Asia: China, India, Iran, Iraq, Israel, Japan, Jordan, Lebanon, Malaysia, Oman, Pakistan, Philippines, Republic of Korea (South Korea), Saudi Arabia, Syria, Taiwan, Thailand, Turkey, United Arab Emirates, Vietnam, Yemen, Europe: Austria, Belgium, Bosnia and Herzegovina, Croatia, Cyprus, France, Germany, Greece, Italy, Montenegro, North</p>

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					Macedonia, Netherlands, Portugal, Russian Federation, Serbia, Slovenia, Portugal, Russia, Spain Oceania: Australia, Cook Islands, Fiji, French Polynesia, New Zealand, Papua New Guinea, Semoa
4.	<i>Cacao swollen shoot badnavirus (CSSV);</i> (Syn. <i>Cacao swollen shoot virus, Cacao vein clearing virus, Cacao virus I, Cocoa swollen shoot badnavirus, Theobroma virus I</i> )	I	<i>Adansonia digitata</i> (baobab), <i>Ceiba pentandra</i> (kapuk randu, kapok), <i>Cola chlamydantha</i> , <i>Cola gigantea</i> , <i>Theobroma cacao</i> (kakao, cocoa)	batang (stems (above ground), trunks, branches), biji (true seeds, grains), buah (fruit), daun (leaves), mata tunas (shoots, buds), polong (pods)  Vektor:	Indonesia: Jawa (Jawa Tengah, DIY, Jawa Timur) Africa: Ghana, Ivory Coast, Nigeria, Northwest Africa, Sierra Leone, Togo Asia: Sri Lanka

No.	NAMA ILMIAH/SINONIM/KLASIFIKASI/ NAMA UMUM (SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME)	GOLONGAN /GROUP	INANG/ HOST	MEDIA PEMBAWA /PATHWAY	DAERAH SEBAR /GEOGRAPHICAL DISTRIBUTION
				Hemiptera, Pseudococcida e: <i>Delococcus</i> <i>tafoensis</i> , <i>Ferrisia</i> <i>virgata</i> , <i>Paraputo</i> <i>anomalus</i> , <i>Phenacoccus</i> <i>hargreavesi</i> , <i>Planococcoides</i> <i>njalensis</i> , <i>Planococcus</i> <i>citri</i> , <i>Pseudococcus</i> <i>concauocerrari</i> , <i>Pseudococcus</i> <i>longis</i>	
5.	<i>Cymbidium ringspot tombusvirus</i> (CymRSV); (Syn. <i>Cymbidium ringspot virus</i> )	I	<i>Cymbidium</i> , <i>Trifolium repens</i> (semanggi putih, white clover), <i>Vigna</i> <i>unguiculata</i> (kacang tunggak, cowpea)	tanaman (whole plants)	Indonesia: Jawa (Jawa Barat), Europe: United Kingdom



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6.	<i>Fiji disease fjiivirus</i> (FDV) (Syn. <i>Sugarcane Fiji disease fjiivirus</i> , <i>Sugarcae Fiji disease virus</i> , <i>Saccharum</i> <i>virus 2</i> , <i>Galla fjinensis</i> )	I	<i>Saccharum officinarum</i> (tebu, sugarcane)	bibit (seedlings, micropropagat ed plants), tanaman (whole plants)  Vektor: <i>Leaf</i> <i>hopper</i>	Indonesia: Papua, Sulawesi Africa: Madagascar Asia: Malaysia, Philippines, Thailand Oceania: Australia, Fiji, New Caledonia, Papua New Guinea, Samoa, Solomon Islands, Tonga, Vanuatu
7.	<i>Onion yellow dwarf potyvirus</i> (OYDV); (Syn. <i>Allium virus 1</i> , <i>Garlic mosaic</i> <i>virus</i> , <i>Garlic yellow streak virus</i> , <i>Marmor cepae</i> , <i>Onion yellow dwarf</i> <i>virus</i> )	I	<i>Allium</i> spp.	akar (roots), bibit (seedlings, micropropagat ed plants), buah (fruits), bunga (flowers, inflorescences) , daun (leaves), umbi (bulbs, corms, tubers)	Indonesia: Jawa, Bali, Nusa Tenggara Barat (Lombok, Sumbawa), Sulawesi (Sulawesi Selatan) Africa: Egypt, Morocco, Nigeria, South Africa America: Argentina, Brazil, Canada, Chile, Cuba, USA, Uruguay Asia: China, India, Iran, Iraq, Israel, Japan, Thailand, Taiwan, Turkey, Tunisia, Vietnam

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				Vector: <i>Myzus persicae</i> dan aphid lainnya	Europe: Austria, Bosnia and Herzegovina, Croatia, Czech Republic, Denmark, Ecuador, Estonia, Finland, France, Germany, Greece, Hungary, Lithuania, Montenegro, North Macedonia, Moldova, Poland, Romania, Serbia, Slovenia, Slovakia, Switzerland, United Kingdom, Ukraine Oceania: Australia, Cook Islands, New Zealand, Papua New Guinea
8.	<i>Papaya ringspot potyvirus</i> (PRSV) P; (Syn. <i>Distorsion ring spot of papaya</i> , <i>Mosaic of papaya</i> , <i>Papaya distortion mosaic virus</i> , <i>Papaya leaf distortion virus</i> , <i>Papaw distortion ringspot virus</i> , <i>Papaw mosaic virus</i> , <i>Ringspot of papaya</i> .)	I	<i>Carica papaya</i> (pepaya, papaya), Cucurbitaceae	bibit (seedlings, micropropagated plants), buah (fruits), bunga (flowers, inflorescences)	Indonesia: Sumatera (NAD, Sumatera Utara, Riau, Sumatera Selatan), Jawa (DIY), Bali, Nusa Tenggara Barat Africa: Egypt, Ivory Coast, Mauritius, Nigeria, Tanzania, Tunisia,

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				, daun (leaves), tanaman (whole plants)  Vektor:Hemiptera, Aphididae: <i>Myzus persicae</i> , <i>Aphis coreopsidis</i> , <i>Aphis craccivora</i> , <i>Aphis fabae</i> , <i>Aphis gossypii</i> , <i>Toxoptera citricida</i>	Uganda America: Bahama, Brazil, Colombia, Costa Rica, Cuba, Dominica, Ecuador, El Salvador, Guadeloupe, Honduras, Jamaica, Mexico, Puerto Rico, Trinidad and Tobago, USA, Venezuela Asia: Bangladesh, China, India, Iran, Israel, Japan, Lebanon, Malaysia, Nepal, Pakistan, Philippines, Singapore, Sri Lanka, Syria, Thailand, Taiwan, Vietnam, Yemen Europe: France, Germany, Italy Oceania: Australia, Cook Island, Solomon Island, Tonga
9.	<i>Shallot yellow stripe potyvirus</i> (SYSV) (Syn. <i>Shallot yellow stripe virus</i> )	I	<i>Allium ascalonicum</i> (bawang merah, shallot), <i>Allium cepa</i> var. <i>ascalonicum</i> (bawang	bibit (seedlings, micropropagat	Indonesia: Jawa, Bali, Nusa Tenggara Barat (Lombok, Sumbawa),

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			merah, shallot), <i>Allium cepa</i> (bawang bombai, onion), <i>Allium cepa</i> var. <i>cepa</i> , <i>Allium sativum</i> (bawang putih, garlic), <i>Lilium formosanum</i> (tiger lily)	ed plants), umbi (bulbs, corms, tubers)  Vektor: Hemiptera, Aphididae: <i>Acyrtosiphon</i> <i>pisum</i> , <i>Myzus</i> <i>cymbalariae</i>	Sulawesi (Selatan) Asia: China, Thailand
10.	<i>Squash mosaic comovirus</i> (SqMV); (Syn. <i>Cucurbit ring mosaic virus</i> , <i>Muskmelon mosaic como virus</i> , <i>Muskmelon necrotic mosaic virus</i> , <i>Squash mosaic comovirus</i> , <i>Pumpkin</i> <i>mosaic virus</i> , <i>Watermelon stunt virus</i> )	I	Cucurbitaceae (cucurbits), <i>Citrullus lanatus</i> (semangka, watermelon), <i>Cucumis melo</i> (melon), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Cucurbita moschata</i> (pumpkin), <i>Cucurbita maxima</i> (waluh, labu parang, pumpkin), <i>Cucurbita</i> <i>pepo</i> (labu kuning, zukini, zucchini), <i>Luffa acutangula</i> (oyong), <i>Sechium edule</i> (labu siam, chayotes)	biji (true seeds, grains), tanaman (whole plants)  Vektor: Coleoptera, Chrysomelida e: <i>Acalymma</i> <i>trivittata</i> , <i>Acalymma</i> <i>thiemei</i> , <i>Diabrotica</i> <i>undecimpunct</i>	Indonesia: Jawa (Jawa Barat) Africa: Egypt, Morocco, Tunisia America: Argentina, Brazil, Canada, Chile, Honduras, Jamaica, Mexico, Montserrat, Puerto Rico, USA, Venezuela Asia: Bangladesh, China, India, Iran, Israel, Japan, Jordan, Kazakhstan, Lebanon, Philippines,

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				<i>ata, Diabrotica bivittula;</i> Coleoptera, Coccinellidae: <i>Epilachna chrysomelina;</i> <i>Epilachna paenulata</i>	Syria, Turkey Yemen Europe: Bulgaria, Czech Republic, Greece, Italy, Netherlands Oceania: Australia, New Zealand, Samoa
11.	<i>Sweet potato feathery mottle potyvirus</i> (SPFMV); Syn. <i>Sweet potato chlorotic leafspot virus</i> , <i>Sweet potato internal cork virus</i> , <i>Sweet potato russet crack virus</i> , <i>Sweet potato feathery mottle virus</i> , <i>Sweet potato virus A</i> , <i>Sweet potato vein clearing virus</i> , <i>Sweet potato leaf spot virus</i> , <i>Sweet potato ringspot virus</i> )	I	<i>Amaranthus retroflexus</i> (redroot pigweed), <i>Atriplex hastata</i> , <i>Brassica oleracea</i> var. <i>capitata</i> (kubis, cabbage), <i>Calendula officinalis</i> (pot marigold), <i>Capsicum annuum</i> (cabai, paprika, bell pepper), <i>Chenopodium</i> (goosefoot), <i>Chenopodium polyspermum</i> (manyseeded goosefoot), <i>Convolvulus arvensis</i> (bindweed), <i>Cucurbita maxima</i> (waluh, labu parang, pumpkin), <i>Hewittia sublobata</i> , <i>Ipomoea</i> spp., <i>Ipomoea batatas</i> (ubi jalar, sweet potato), <i>Lepistemon</i>	akar (roots), batang (stems (above ground), trunks, branches), bunga (flowers, inflorescences) , bibit (seedlings, micropropagat ed plants), daun (leaves), tunas (shoots, buds)	Indonesia: Jawa (Jawa Tengah, Jawa Barat), Papua. Africa: Cameroon, Congo Democratic Republic, Egypt, Ethiopia, Kenya, Madagascar, Niger, Nigeria, Rwanda, South Africa, Tanzania, Togo, Uganda, Zambia, Zimbabwe America: Argentina, Brazil, Canada, Chile, Costa Rica, Peru, Puerto Rico, United States of America, Venezuela

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			<i>owarlensis</i> , <i>Mentha arvenss</i> (corn mint), <i>Phaseolus lunatus</i> (lima bean), <i>Sinapsis arvensis</i> (wild mustard), <i>Spinacia oleracea</i> (bayam, spinach), <i>Taraxacum officinale complex</i> (dandelion)	Vektor: <i>Myzus persicae</i> , <i>Aphis gossypii</i> , <i>Aphis craccipora</i> , <i>Lipaphis erysimi</i>	Asia: China, India, Japan, Republic of Korea, Syria, Taiwan, Vietnam Europe: Italy, Spain Oceania: Australia, Fiji, French Polynesia, New Zealand, Solomon Islands, Tonga
12.	<i>Tomato spotted wilt tospovirus</i> (TSWV); (Syn. <i>Dahlia oakleaf virus</i> , <i>Dahlia ringspot virus</i> , <i>Dahlia yellow ringspot virus</i> , <i>Mung bean leaf curl virus</i> , <i>Pineapple yellow spot virus</i> , <i>Tomato spotted wilt virus</i> )	I	<i>Alstroemeria</i> , <i>Ananas comosus</i> (nanas, pineapple), <i>Anemone coronaria</i> (crown anemone), <i>Apium graveolens</i> (seledri, celery), <i>Arachys hypogaea</i> (kacang tanah, peanut), <i>Aster</i> spp., <i>Begonia</i> spp., <i>Benincasa hispida</i> (white gourd), <i>Bidens pilosa</i> (ajeran, blackjack), <i>Brugmansia sauveolens</i> , <i>Calceolaria</i> , <i>Calendula officinalis</i> (pot marigold), <i>Callistephus chinensis</i> (China aster), <i>Campanula</i> , <i>Canavalia</i>	batang (stems (above ground), trunks, branches), tanaman, umbi (bulbs, corms, tubers)  Vektor: Thysanoptera, Thripidae: <i>Frankliniella bispinosa</i> , <i>F.</i>	Indonesia: Jawa (Jawa Barat), Kalimantan (Kalimantan Barat) Africa: Algeria, Burkina Faso, Canary Island, DR Congo DR, Egypt, Ivory Coast, Kenya, Libya, Madagascar, Mauritius, Niger, Nigeria, Réunion, Senegal, South Africa, Sudan, Tanzania, Tunisia, Uganda, Zimbabwe America: Argentina, Brazil, Bolivia, Canada,

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			<p><i>gladiata</i> (kacang parang, sword bean), <i>Capsicum annuum</i> (cabai, paprika, bell pepper), <i>Carica papaya</i> (pepaya, papaya), <i>Catharanthus roseus</i> (tapak dara, periwinkle), <i>Chrysanthemum x morifolium</i> (krisan, chrysanthemum), <i>Cicer arietinum</i> (kacang arab, chickpea), <i>Cichorium endivia</i> (endive), <i>Citrullus lanatus</i> (semangka, watermelon), <i>Coleus</i>, <i>Columnea hirta</i>, <i>Crotalaria juncea</i> (rush skeletonweed), <i>Cucumis sativus</i> (mentimun, cucumber), <i>Cucurbita pepo</i> (labu, squash), <i>Cyclamen</i>, <i>Cynara scolymus</i> (artichoke), <i>Cyphomandra betacea</i> (terung belanda, tree tomato), <i>Dahlia</i> spp., <i>Dieffenbachia</i> spp. (dumbcane), <i>Eustoma grandiflorum</i> (lisianthus), <i>Ficus elastic</i></p>	<p><i>Intonsa</i>, <i>F.fusca</i>, <i>F.occidentalis</i>, <i>F. Schultzei</i>, <i>F. Tenuicornis</i>, <i>Thrips palmi</i>, <i>T. Setosus</i>, <i>T. Tabaci</i>, <i>T.flavus</i>, <i>Scirtothrips dorsalis</i></p>	<p>Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, Guyana, Haiti, Jamaica, Mexico, Paraguay, Puerto Rico, Suriname, USA, Uruguay, Venezuela Asia: Afghanistan, Armenia, Azerbaijan, Bangladesh, China, Georgia, India, Iran, Israel, Japan, Jordan, Korea DPR (North Korea), Lebanon, Malaysia, Nepal, Oman, Pakistan, Republic of Korea (South Korea), Saudi Arabia, Singapore, Sri Lanka, Syria, Taiwan, Thailand, Turkey Europe: Albania, Austria, Belgium, Bulgaria, Bosnia and Herzegovina, Croatia, Cyprus, Czech Republic, Finland, France,</p>

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			(Indian rubberplant), <i>Ficus pumila</i> (climbing fig), <i>Galinsoga parviflora</i> (potato weed), <i>Gerbera jamesonii</i> (transvaal daisy), <i>Gerbera</i> spp., <i>Glycine max</i> (kedelai, soyabean), <i>Gossypium hirsutum</i> (kapas, cotton), <i>Helianthus annuus</i> (bunga matahari, sunflower), <i>Impatiens walleriana</i> (busy-lizzy), <i>Jacquemontia tamnifolia</i> (hairy clustervine), <i>Kalanchoe</i> sp., <i>Lactuca sativa</i> (selada, lettuce), <i>Lathyrus sativus</i> (grass pea), <i>Lens culinaris</i> ssp. <i>culinaris</i> (lentil), <i>Lupinus</i> spp. (lupine), <i>Mentha piperita</i> , <i>Nicandra physalodes</i> , <i>Nicotiana rustica</i> , <i>Nicotiana tabacum</i> (tembakau, tobacco), <i>Ocimum basilicum</i> (sweet basil), <i>Oncidium</i> , <i>Pelargonium</i> , <i>Petunia hybrida</i> , <i>Phalaenopsis</i> spp.,		Germany, Greece, Guernsey, Hungary, Ireland, Italy, Lithuania, Malta, Moldova, Montenegro, North Macedonia, Malta, Moldova, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom, Oceania: Australia, Cook Islands, New Zealand, Papua New Guinea



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			<p><i>Phaseolus</i> spp., <i>Physalis peruviana</i> (cape gooseberry), <i>Pisum sativum</i> (kapri, pea), <i>Saintpaulia ionantha</i> (African violet), <i>Sechium edule</i> (labu siam, chayotes), <i>Senecio cruentus</i> (cineraria), <i>Sinningia speciosa</i> (Brazilian gloxinia), <i>Sinningia</i>, Solanaceae, <i>Solanum lycopersicum</i> (tomat, tomato), <i>Solanum melongena</i> (terung, aubergine, eggplant), <i>Solanum tuberosum</i> (kentang, potato), <i>Stephanotis floribunda</i> (Madagascar jasmine), <i>Valeriana officinalis</i> (valerian), <i>Valerianella locusta</i> (lamb's lettuce), <i>Vigna cylindrica</i> (buncis, common bean), <i>Vigna mungo</i> (black gram), <i>Vigna radiata</i> (kacang hijau, mungbean), <i>Vigna unguiculata</i> (kacang tunggak, cowpea), <i>Vitis vinifera</i> (anggur, grapevine),</p>		

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			<i>Zantedeschia aethiopica</i> (calla lily), <i>Zinnia elegans</i> (zinnia)		

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