

RANCANGAN  
KEPUTUSAN  
MENTERI KELAUTAN DAN PERIKANAN REPUBLIK INDONESIA  
NOMOR /KEPMEN-KP/2018  
TENTANG  
PENETAPAN JENIS-JENIS HAMA DAN PENYAKIT IKAN KARANTINA,  
GOLONGAN, DAN MEDIA PEMBAWA

DENGAN RAHMAT TUHAN YANG MAHA ESA

MENTERI KELAUTAN DAN PERIKANAN REPUBLIK INDONESIA,

Menimbang : a. bahwa dengan semakin berkembangnya jenis-jenis hama dan penyakit ikan karantina di luar negeri, serta dalam rangka pelaksanaan pencegahan dan pengendalian penyebaran hama dan penyakit ikan karantina, perlu meninjau kembali Keputusan Menteri Kelautan dan Perikanan Nomor 80/KEPMEN-KP/2015 tentang Penetapan Jenis-Jenis Hama dan Penyakit Ikan Karantina, Golongan, Media Pembawa dan Sebarannya;

b. bahwa untuk itu perlu menetapkan Keputusan Menteri Kelautan dan Perikanan tentang Penetapan Jenis-Jenis Hama dan Penyakit Ikan Karantina, Golongan, dan Media Pembawa;

Mengingat : 1. Undang-Undang Nomor 16 Tahun 1992 tentang Karantina Hewan, Ikan, dan Tumbuhan (Lembaran Negara Republik Indonesia Tahun 1992 Nomor 56, Tambahan Lembaran Negara Nomor 3482);

2. Peraturan Pemerintah Nomor 15 Tahun 2002 tentang Karantina Ikan (Lembaran Negara Republik Indonesia Tahun 2002 Nomor 36, Tambahan Lembaran Negara Nomor 4197);

3. Peraturan Presiden Nomor 7 Tahun 2015 tentang Organisasi Kementerian Negara (Lembaran Negara Republik Indonesia Tahun 2015 Nomor 8);

4. Peraturan Presiden Nomor Nomor 63 Tahun 2015 tentang Kementerian Kelautan dan Perikanan (Lembaran Negara Republik Indonesia Tahun 2015 Nomor 111), sebagaimana telah diubah dengan Peraturan Presiden Nomor 2 Tahun 2017 tentang Perubahan atas Peraturan Presiden Nomor 63 Tahun 2015 (Lembaran Negara Republik Indonesia Tahun 2017 Nomor 5);

5. Peraturan ...

5. Peraturan Menteri Kelautan dan Perikanan Nomor 6/PERMEN-KP/2017 tentang Organisasi dan Tata kerja Kementerian Kelautan dan Perikanan (Berita Negara Republik Indonesia Tahun 2017 Nomor 220), sebagaimana telah diubah dengan Peraturan Menteri Kelautan dan Perikanan Nomor 7/PERMEN-KP/2018 tentang Perubahan atas Peraturan Menteri Kelautan dan Perikanan Nomor 6/PERMEN-KP/2017 tentang Organisasi dan Tata kerja Kementerian Kelautan dan Perikanan (Berita Negara Republik Indonesia Tahun 2018 Nomor 317;

MEMUTUSKAN:

Menetapkan : KEPUTUSAN MENTERI KELAUTAN DAN PERIKANAN TENTANG PENETAPAN JENIS-JENIS HAMA DAN PENYAKIT IKAN KARANTINA, GOLONGAN, DAN MEDIA PEMBAWA.

KESATU : Menetapkan jenis-jenis hama dan penyakit ikan karantina, golongan, dan media pembawa, sebagaimana tercantum dalam Lampiran yang merupakan bagian tidak terpisahkan dari Keputusan Menteri ini.

KEDUA : Dengan ditetapkannya Keputusan Menteri ini, maka Keputusan Menteri Kelautan dan Perikanan Nomor 80/KEPMEN-KP/2015 tentang Penetapan Jenis-Jenis Hama dan Penyakit Ikan Karantina, Golongan, Media Pembawa, dan Sebarannya, dicabut dan dinyatakan tidak berlaku.

KETIGA : Keputusan Menteri ini mulai berlaku pada tanggal ditetapkan.

Ditetapkan di Jakarta  
pada tanggal

MENTERI KELAUTAN DAN PERIKANAN  
REPUBLIK INDONESIA,

SUSI PUDJIASTUTI

Lembar Pengesahan		
No	Jabatan	Paraf
1	Kepala Badan KIPM	
2	Sekretaris Badan KIPM	
3	Kepala Pusat Karantina Ikan	
4	Kabag. Hukum, Kerja Sama dan Humas	

LAMPIRAN  
 KEPUTUSAN MENTERI KELAUTAN DAN PERIKANAN  
 REPUBLIK INDONESIA  
 NOMOR /KEPMEN-KP/ TENTANG PENETAPAN  
 JENIS-JENIS HAMA DAN PENYAKIT IKAN KARANTINA,  
 GOLONGAN, DAN MEDIA PEMBAWA

**JENIS-JENIS HAMA DAN PENYAKIT IKAN KARANTINA, GOLONGAN, DAN MEDIA PEMBAWA**

NO	ORGANISME PENYEBAB	NAMA PENYAKIT	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
<b>Virus</b>				
1	<i>Herpesvirus ictaluri</i>	Channel Catfish Virus Disease (CCVD)	I	African Catfish ( <i>Clarias gariepinus</i> ) Asian Catfish ( <i>Clarias batrachus</i> ) Blue Catfish ( <i>Ictalurus furcatus</i> ) Bullhead ( <i>Ameiurus melas</i> ) Bullhead ( <i>Ameiurus natalis</i> ) Bullhead ( <i>Ameiurus nebulosus</i> ) Channel Catfish ( <i>Ictalurus punctatus</i> ) European Catfish ( <i>Silurus glanis</i> ) White Catfish ( <i>Ictalurus catus</i> )
2	<i>Rhabdovirus carpio</i>	Spring Viraemia of Carp Disease (SVCD)	I	Bighead Carp ( <i>Aristichthys nobilis</i> ) Bream ( <i>Abramis brama</i> ) Catla ( <i>Gibelion catla</i> ) Common Carp ( <i>Cyprinus carpio</i> ) Koi Carp ( <i>Cyprinus carpio koi</i> ) Crucian Carp ( <i>Carassius carassius</i> ) European Catfish ( <i>Silurus glanis</i> ) Golden shiner ( <i>Notemigonus crysoleucas</i> ) Goldfish ( <i>Carassius auratus</i> ) Grass Carp ( <i>Ctenopharyngodon idella</i> ) Guppy ( <i>Poecilia reticulata</i> ) Mrigal ( <i>Cirrhinus cirrhosus</i> ) Nile Tilapia ( <i>Oreochromis niloticus</i> ) Orfe ( <i>Leuciscus idus</i> ) Northern pike ( <i>Esox lucius</i> ) Pumpkinseed ( <i>Lepomis gibbosus</i> ) Rainbow Trout ( <i>Oncorhynchus mykiss</i> ) Roach ( <i>Rutilus rutilus</i> ) Rohu ( <i>Labeo rohita</i> )

NO	ORGANISME PENYEBAB	NAMA PENYAKIT	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				Silver Carp ( <i>Hypophthalmichthys molitrix</i> ) Tench ( <i>Tinca tinca</i> ) Zebra Fish ( <i>Danio rerio</i> )
3	<i>Infectious Haematopoietic Necrosis Virus (IHNV)/Rhabdovirus</i>	Infectious Haematopoietic Necrosis Disease	I	Amago Salmon ( <i>Oncorhynchus rhodurus</i> ) Arctic Char ( <i>Salvelinus alpinus</i> ) Atlantic Salmon ( <i>Salmo salar</i> ) Ayu ( <i>Pleoglossus altivelis</i> ) Brook Trout ( <i>Salvelinus fontinalis</i> ) Brown Trout ( <i>Salmo trutta</i> ) Chinook Salmon ( <i>Oncorhynchus tshawytscha</i> ) Chum Salmon ( <i>Oncorhynchus keta</i> ) Cod ( <i>Gadus morhua</i> ) Coho Salmon ( <i>Oncorhynchus kisutch</i> ) Cutthroat Trout ( <i>Salmo clarki</i> ) European Eel ( <i>Anguilla anguilla</i> ) Herring ( <i>Clupea pallasii</i> ) Lake Trout ( <i>Salvelinus namaycush</i> ) Masou Salmon ( <i>Oncorhynchus masou</i> ) Northern Pike ( <i>Esox lucius</i> ) Rainbow Trout ( <i>Oncorhynchus mykiss</i> ) Shiner Perch ( <i>Cymatogaster aggregata</i> ) Sockeye Salmon ( <i>Oncorhynchus nerka</i> ) Surgeon ( <i>Acipenser transmontanus</i> ) Tube-Snout ( <i>Aulorhynchus flavidus</i> ) Whitespotted Char ( <i>Salvelinus leucomaenis</i> )
4	<i>Infectious hypodermal and haematopoietic necrosis Virus (IHHNV)/Parvovirus</i>	Infectious Hypodermal and Haematopoietic Necrosis Disease	I	Argentine Stiletto Shrimp ( <i>Artemesia longinaruis</i> ) Blackfin Snook ( <i>Centropomus medius</i> ) Blue Shrimp ( <i>Penaeus stylirostris</i> ) Cuata Swimcrab ( <i>Callinectes arcuatus</i> ) Giant River Prawn ( <i>Macrobranchium rosenbergii</i> ) Giant Tiger Shrimp ( <i>Penaeus monodon</i> ) Kuruma Prawn ( <i>Penaeus japonicus</i> ) Northern Pink Shrimp ( <i>Penaeus duorarum</i> ) Green Tiger Prawn ( <i>Penaeus semisulcatus</i> ) Japanese Shore Crab ( <i>Hemigrapsus penicillatus</i> ) Mazatlan Sole ( <i>Archirus mazatlanus</i> ) Northern Pink Shrimp ( <i>Penaeus duorarum</i> ) Northern White Shrimp ( <i>Penaeus setiferus</i> ) Pacific Piquitinga ( <i>Lile stolifera</i> ) Tilapias ( <i>Oreochromis</i> sp.) Western White Shrimp ( <i>Penaeus occidentalis</i> ) Whiteleg Shrimp ( <i>Litopenaeus vannamei</i> )

NO	ORGANISME PENYEBAB	NAMA PENYAKIT	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				Yellowfin Mojarra ( <i>Gerres cinereus</i> )
5	<i>Yellowhead virus/ Okavirus</i>	Infection with Yellow Head Virus Genotype 1	I	Giant Tiger Prawn ( <i>Penaeus monodon</i> ) Whiteleg Shrimp ( <i>Litopenaeus vannamei</i> ) Blue Shrimp ( <i>Penaeus stylirostris</i> ) Daggerblade Grass Shrimp ( <i>Palaemonetes pugio</i> ) Jinga Shrimp ( <i>Metapenaeus affinis</i> ) Gulf Banana Prawn ( <i>Penaeus merguensis</i> ) Northern White Shrimp ( <i>Penaeus setiferus</i> ) Palaemon Prawn ( <i>Palaemon styliferus</i> ) Red Endeavour Prawn ( <i>Metapenaeus ensis</i> ) Tropical Krill ( <i>Acetes</i> spp.) Northern Brown Shrimp ( <i>Penaeus aztecus</i> ) Northern Pink Shrimp ( <i>Penaeus duorarum</i> )
6	<i>Taura syndrome virus/ Picornavirus</i>	Infection with Taura Syndrome Virus	I	Greasyback Shrimp ( <i>Metapenaeus ensis</i> ) Northern Brown Shrimp ( <i>Penaeus aztecus</i> ) Giant Tiger Prawn ( <i>Penaeus monodon</i> ) Northern White Shrimp ( <i>Penaeus setiferus</i> ) Blue Shrimp ( <i>Penaeus stylirostris</i> ) Whiteleg Shrimp ( <i>Litopenaeus vannamei</i> )
7	<i>White spot syndrome virus (WSSV)/ Whispovirus</i>	White Spot Disease	I	Kelompok Crustacea perairan khususnya Decapoda (Udang, Kepiting, Crayfish, Lobster) yang hidup di laut, payau dan air tawar
8	<i>Red seabream iridovirus (RSIV)</i>	Red Sea Bream Iridoviral Disease (RSIVD)	I	Sea Bass ( <i>Lates calcarifer</i> ) Bastard Halibut ( <i>Paralichthys olivaceus</i> ) Black Porgy ( <i>Acanthopagrus schlegeli</i> ) Brown-Marbled Grouper ( <i>Epinephelus fuscoguttatus</i> ) Chicken Grunt ( <i>Parapristipoma trilineatum</i> ) Chinese Emperor ( <i>Lethrinus haematopterus</i> ) Chinese Perch ( <i>Siniperca chuatsi</i> ) Chub Mackerel ( <i>Scomber japonicus</i> ) Cobia ( <i>Rachycentron canadum</i> ) Continental Seabass ( <i>Lateolabrax</i> sp.) Convict Grouper ( <i>Epinephelus septemfasciatus</i> ) Crescent Sweetlips ( <i>Plectorhinchus cinctus</i> ) Crimson Sea Bream ( <i>Evynnis japonica</i> ) Croceine Croaker ( <i>Pseudosciaena crocea</i> ) Grouper ( <i>Epinephelus</i> sp.) Flathead Mullet ( <i>Mugil cephalus</i> ) Giant Grouper ( <i>Epinephelus lanceolatus</i> ) Greasy Grouper ( <i>Epinephelus tauvina</i> ) Greater Amberjack ( <i>Seriola dumerili</i> ) Hong Kong Grouper ( <i>Epinephelus akaara</i> )

NO	ORGANISME PENYEBAB	NAMA PENYAKIT	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				Hybrid of Striped Sea Bass and White Bass ( <i>Morone saxatilis</i> × <i>M. chrysops</i> ) Hybrid of Yellowtail Amberjack and Japanese Amberjack ( <i>S. lalandi</i> × <i>S. quinquerediata</i> ) Japanese Amberjack ( <i>Seriola quinquerediata</i> ) Japanese Jack Mackerel ( <i>Trachurus japonicus</i> ) Japanese Parrotfish ( <i>Oplegnathus fasciatus</i> ) Japanese Sea Perch ( <i>Lateolabrax japonicas</i> ) Japanese Spanish Mackerel ( <i>Scomberomorus niphonius</i> ) Largemouth Bass ( <i>Micropterus salmoides</i> ) Longtooth Grouper ( <i>Epinephelus bruneus</i> ) Malabar Grouper ( <i>Epinephelus malabaricus</i> ) Northern Bluefin Tuna ( <i>Thunnus thynnus</i> ) Orange-Spotted Grouper ( <i>Epinephelus coioides</i> ) Red Drum ( <i>Sciaenops ocellatus</i> ) Red Sea Bream ( <i>Pagrus major</i> ) Rockfish ( <i>Sebastes schlegelii</i> ) Spangled Emperor ( <i>Lethrinus nebulosus</i> ) Spotted Halibut ( <i>Verasper variegatus</i> ) Spotted Knifejaw ( <i>Oplegnathus punctatus</i> ) Striped Jack ( <i>Pseudocaranx dentex</i> ) Snubnose Pompano ( <i>Trachinotus blochii</i> ) Torafugu ( <i>Takifugu rubripes</i> ) Yellow Grouper ( <i>Epinephelus awoara</i> ) Yellowfin Sea Bream ( <i>Acanthopagrus latus</i> ) Yellowtail Amberjack ( <i>Seriola lalandi</i> )
	<i>Infectious spleen and kidney necrosis virus (ISKNV)</i>			Brown Marbled Grouper ( <i>Epinephelus fuscoguttatus</i> ) Banggai Cardinal Fish ( <i>Pterapogon kauderni</i> ) Dwarf Gouramy ( <i>Trichogaster lalius</i> ) Orange Spotted Grouper ( <i>Epinephelus coioides</i> ) Chinese Perch ( <i>Siniperca chuatsi</i> ) Flathead Mullet ( <i>Mugil cephalus</i> ) Red Drum ( <i>Sciaenops ocellatus</i> ) Barramundi Perch ( <i>Later calcalifer</i> ) Giant Grouper ( <i>Epinephelus lanceolatus</i> ) Murray Cod ( <i>Maccullochella peelii peelii</i> )
	<i>Turbot reddish body iridovirus (TRBIV)</i>			Turbot ( <i>Scophthalmus maximus</i> ) Bastard Halibut ( <i>Paralichthys olivaceus</i> ) Sea Perch ( <i>Lateolabrax japonicas</i> ) Barred Knifejaw ( <i>Oplegnathus fasciatus</i> ) Stone Flounder ( <i>Kareius bicoloratus</i> )
9	<i>Epizootic haematopoietic necrosis virus (EHNV)</i>	Infection With Ranavirus	I	Redfin Perch ( <i>Perca fluviatilis</i> )

NO	ORGANISME PENYEBAB	NAMA PENYAKIT	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				Rainbow Trout ( <i>Oncorhynchus mykiss</i> ) Macquarie Perch ( <i>Macquaria australasica</i> ) Silver Perch ( <i>Bidyanus bidyanus</i> ) Mosquito Fish ( <i>Gambusia affinis</i> ) Mountain Galaxias ( <i>Galaxias olidus</i> ) Black Bullhead ( <i>Ameirus melas</i> ) Northern Pike ( <i>Esox lucius</i> ) Sheatfish ( <i>Silurus glanis</i> ) Turbot ( <i>Scophthalmus maximus</i> )
	<i>Bohle iridovirus (BIV)</i>			Burrowing Frog ( <i>Limnodynastes ornatus</i> ) Cane Toad ( <i>Rhinella marina</i> )
	<i>Ambystoma tigrinum virus (ATV)</i>			Katak dari Ordo Anura. Salamander dari Ordo Caudata.
	<i>Singapore grouper iridovirus (SGIV)</i>			Estuarine Rock Cod ( <i>Epinephelus tauvina</i> ) Malabar Grouper ( <i>Epinephelus malabaricus</i> ) Yellow Grouper ( <i>Epinephelus awoara</i> )
10	<i>Viral nervous necrosis (VNN) atau Viral Encephalopathy and Retinopathy (VER)/Betanodavirus</i>	Nervous Necrosis Virus Disease	I	Atlantic Cod ( <i>Gadus morhua</i> ) Atlantic Halibut ( <i>Hippoglossus hippoglossus</i> ) Australian Catfish ( <i>Tandanus tandanus</i> ) Barfin Flounder ( <i>Verasper moseri</i> ) Barramundi/Asian Sea Bass ( <i>Lates calcarifer</i> ) Barred Knifejaw ( <i>Oplegnathus fasciatus</i> ) Blackspotted grouper ( <i>Epinephelus fuscoguttatus</i> ) Brown Spotted Grouper ( <i>Epinephelus malabaricus</i> ) Chinese Catfish ( <i>Parasilurus asotus</i> ) Cobia ( <i>Rachycentron canadum</i> ) Common Sole ( <i>Solea solea</i> ) Convict Sturgeonfish ( <i>Acanthurus triostegus</i> ) Crimson Snapper ( <i>Lutjanus erythropterus</i> ) Dragon Grouper ( <i>Epinephelus lanceolatus</i> ) Dusky Grouper ( <i>Epinephelus marginatus</i> ) European Eel ( <i>Anguilla anguilla</i> ) European Seabass ( <i>Dicentrarchus labrax</i> ) Gilt-head Seabream ( <i>Sparus aurata</i> ) Golden Grey Mullet ( <i>Liza aurata</i> ) Greasy Grouper ( <i>Epinephelus tauvina</i> ) Flathead Grey Mullet ( <i>Mugil cephalus</i> ) Guppy ( <i>Poecilia reticulata</i> ) Haddock ( <i>Melanogrammus aeglefinus</i> ) Humpback Grouper ( <i>Chromileptes altivelis</i> )

NO	ORGANISME PENYEBAB	NAMA PENYAKIT	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				Japanese Flounder ( <i>Paralichthys olivaceus</i> ) Japanese Puffer ( <i>Takifugu rubripes</i> ) Japanese Seabass ( <i>Lateolabrax japonicus</i> ) Japanese or Red Tilefish ( <i>Branchiostegus japonicus</i> ) Kelp Grouper ( <i>Epinephelus moara</i> ) Mangrove Red Snapper ( <i>Lutjanus argentimaculatus</i> ) Milk Fish ( <i>Chanos chanos</i> ) Narrowstripe Cardinalfish ( <i>Pristiapogon exostigma</i> ) Nile Tilapia ( <i>Oreochromis niloticus</i> ) Orange-Spotted Grouper ( <i>Epinephelus coioides</i> ) Orbicular Batfish ( <i>Platax orbicularis</i> ) Pacific Bluefin Tuna ( <i>Thunnus orientalis</i> ) Purplish Amberjack ( <i>Seriola dumerili</i> ) Red Drum ( <i>Sciaenops ocellatus</i> ) Red Mullet ( <i>Mullus barbatus</i> ) Red Spot Grouper/Hongkong Groper ( <i>Epinephelus akaara</i> ) Red Tilefish ( <i>Branchiostegus japonicus</i> ) Russian Sturgeon ( <i>Acipenser gueldenstaedti</i> ) Sevenband Grouper ( <i>Epinephelus septemfasciatus</i> ) Shi Drum ( <i>Umbrina cirrosa</i> ) Sleepy Cod ( <i>Oxyeleotris lineolatus</i> ) Snubnose Pompano ( <i>Trachinotus blochii</i> ) Spotted Knifejaw ( <i>Oplegnathus punctatus</i> ) White Trevally ( <i>Pseudocaranx dentex</i> ) Striped Trumpeter ( <i>Latris lineata</i> ) Threadsail Filefish ( <i>Stephanolepis cirrhifer</i> ) Turbot ( <i>Scophthalmus maximus</i> ) White Grouper ( <i>Epinephelus aeneus</i> ) White Seabass ( <i>Atractoscion nobilis</i> ) Wolffish ( <i>Anarhichas minor</i> ) Yellow Grouper ( <i>Epinephelus awoara</i> ) Yellow-wax Pompano ( <i>Trachinotus falcatus</i> )
11	<i>Koi herpesvirus</i> (KHV)	Koi Herpesvirus Disease	I	Common Carp ( <i>Cyprinus carpio</i> ) Goldfish ( <i>Carassius auratus</i> ) Crucian Carp × Koi Carp Hybrids Crucian Carp × Common Carp Goldfish × Common Carp Hybrids Goldfish × Koi Carp Hybrids
12	<i>Macrobrachium rosenbergii nodavirus</i> <i>Extra small virus</i>	White Tail Disease (WTD)	I	Giant River Prawn ( <i>Macrobrachium rosenbergii</i> )
13	<i>Infectious myonecrosis virus</i> (IMNV)	Infection With Infectious Myonecrosis Virus	I	Brown Tiger Prawn ( <i>Penaeus esculentus</i> ) Banana Prawn ( <i>Fenneropenaeus merguensis</i> )



NO	ORGANISME PENYEBAB	NAMA PENYAKIT	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				Whiteleg Shrimp ( <i>Litopenaeus vannamei</i> )
14	<i>Viral haemorrhagic septicemia Virus</i> (VHSV)	Viral Haemorrhagic Septicemia Disease	I	Alaska Pollock ( <i>Theragra chalcogramma</i> ) Amphipod ( <i>Diporeia</i> spp.) Armoured Weaselfish ( <i>Hoplobrotula armata</i> ) American Gizzard Shad ( <i>Dorosoma cepedianum</i> ) American Eel ( <i>Anguilla rostrata</i> ) Artic Char ( <i>Salvelinus alpinus</i> ) Atlantic Cod ( <i>Gadus morhua</i> ) Atlantic Halibut ( <i>Hippoglossus hippoglossus</i> ) Atlantic Herring ( <i>Clupea harengus</i> ) Atlantic Salmon ( <i>Salmo salar</i> ) Barbel ( <i>Barbus graellsii</i> ) Blackfin Flounder ( <i>Glyptocephalus stelleri</i> ) Black Crappie ( <i>Pomoxis nigromaculatus</i> ) Black Porgy ( <i>Acanthopagrus schlegelii</i> ) Black Rockfish ( <i>Sebastes inermis</i> ) Blue Whiting ( <i>Micromesistius poutassou</i> ) Bluegill ( <i>Lepomis macrochirus</i> ) Bluntnose Minnow ( <i>Pimephales notatus</i> ) Brook Trout ( <i>Salvelinus fontinalis</i> ) Brown Bullhead ( <i>Ictalurus nebulosus</i> ) Brown Trout ( <i>Salmo trutta</i> ) Burbot ( <i>Lota lota</i> ) Channel Catfish ( <i>Ictalurus punctatus</i> ) Chinook Salmon ( <i>Oncorhynchus tshawytscha</i> ) Chub Mackerel ( <i>Scomber japonicus</i> ) Chum Salmon ( <i>Oncorhynchus keta</i> ) Cloudy Catshark ( <i>Scyliorhinus torozame</i> ) Cubed Snailfish ( <i>Liparis tessellatus</i> ) Coho Salmon ( <i>Oncorhynchus kisutch</i> ) Dab ( <i>Limanda limanda</i> ) Emerald Shiner ( <i>Notropis atherinoides</i> ) English Sole ( <i>Parophrys vetula</i> ) Eulachon ( <i>Thaleichthys pacificus</i> ) European Sprat ( <i>Sprattus sprattus</i> ) European Eel ( <i>Anguilla anguilla</i> ) European Perch ( <i>Perca fluviatilis</i> ) European Plaice ( <i>Pleuronectes platessa</i> ) European River Lamprey ( <i>Lampetra fluviatilis</i> ) European Seabass ( <i>Dicentrarchus labrax</i> ) Fathead Minnow ( <i>Pimephales promelas</i> ) Flounder ( <i>Platichthys flesus</i> ) Fourbeard Rockling ( <i>Enchelyopus cimbrius</i> ) Freshwater Drum ( <i>Aplodinotus grunniens</i> )

NO	ORGANISME PENYEBAB	NAMA PENYAKIT	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				<p>Flathead Grey Mullet (<i>Mugil cephalus</i>)  Gilthead Seabream (<i>Sparus aurata</i>)  Golden Trout (<i>Oncorhynchus aguabonita</i>)  Goldfish (<i>Carassius auratus</i>)  Grayling (<i>Thymallus thymallus</i>)  Greenland Halibut (<i>Reinhardtius hippoglossoides</i>)  Haddock (<i>Melanogrammus aeglefinus</i>)  Hong Kong Grouper (<i>Epinephelus akaara</i>)  Iberian Nase (<i>Chondrostoma polylepis</i>)  Izu Scorpionfish (<i>Scorpaena izensis</i>)  Japanese Amberjack (<i>Seriola quinqueradiata</i>)  Japanese Flounder (<i>Paralichthys olivaceus</i>)  Lake Trout (<i>Salvelinus namaycush</i>)  Lake Whitefish (<i>Coregonus clupeaformis</i>)  Largemouth Bass (<i>Micropterus salmoides</i>)  Largehead Hairtail (<i>Trichiurus lepturus</i>)  Lesser Argentine (<i>Argentina sphyraena</i>)  Leech (<i>Myzobdella lugubris</i>)  Marbled Flounder (<i>Pleuronectes yokohamae</i>)  Mummichog (<i>Fundulus heteroclitus</i>)  Muskellunge (<i>Esox masquinongy</i>)  North Pacific Hake (<i>Merluccius productus</i>)  Northern Pike (<i>Esox lucius</i>)  Norway Pout (<i>Trisopterus esmarkii</i>)  <i>Oncorhynchus Mykiss</i> × <i>Oncorhynchus Kisutch</i>  <i>Oncorhynchus Mykiss</i> × <i>Salvelinus Alpinus Triploid</i>  <i>Oncorhynchus Mykiss</i> × <i>Salvelinus Fontinalis</i>  <i>Oncorhynchus Mykiss</i> × <i>Salvelinus Namaycush</i>  <i>Oncorhynchus Mykiss</i> × <i>Oncorhynchus Kisutch Triploid</i>  Pacific Cod (<i>Gadus macrocephalus</i>)  Pacific Herring (<i>Clupea pallasii</i>)  Pacific Sand Eel (<i>Ammodytes personatus</i>)  Pacific Sand Lance (<i>Ammodytes hexapterus</i>)  Pacific Tomcod (<i>Microgadus proximus</i>)  Poor Cod (<i>Trisopterus minutus</i>)  Pumpkinseed (<i>Lepomis gibbosus</i>)  Rainbow Trout (<i>Oncorhynchus mykiss</i>)  Red Seabream (<i>Pagrus major</i>)  Rock Bass (<i>Ambloplites rupestris</i>)  Round Goby (<i>Neogobius melanostomus</i>)  Sablefish (<i>Anoplopoma fimbria</i>)  Sand Eel (<i>Ammodytes</i> spp.)  Sand Goby (<i>Pomatoschistus minutus</i>)  Schlegel's Black Rockfish (<i>Sebastes schlegelii</i>)  Senegalese Sole (<i>Solea senegalensis</i>)</p>

NO	ORGANISME PENYEBAB	NAMA PENYAKIT	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				Shiner Perch ( <i>Cymatogaster aggregata</i> ) Shorthead Redhorse ( <i>Moxostoma macrolepidotum</i> ) Silver Pomfret ( <i>Pampus argentus</i> ) Silver Redhorse ( <i>Moxostoma anisurum</i> ) Smallmouth Bass ( <i>Micropterus dolomieu</i> ) Sockeye Salmon ( <i>Oncorhynchus nerka</i> ) South American Pilchard ( <i>Sardinops sagax</i> ) Splake ( <i>Salvelinus namaycush</i> × <i>Salvelinus fontinalis</i> ) Spottail Shiner ( <i>Notropis hudsonius</i> ) Striped Bass ( <i>Morone saxatilis</i> ) Surf Smelt ( <i>Hypomesus pretiosus</i> ) Three-Spined Stickleback ( <i>Gasterosteus aculeatus</i> ) Trout-Perch ( <i>Percopsis omiscomaycus</i> ) Tube-Snout ( <i>Aulorhynchus flavidus</i> ) Yellow Croaker ( <i>Larimichthys polyactis</i> ) Yellowback Seabream ( <i>Dentex tumifrons</i> ) Turbot ( <i>Scophthalmus maximus</i> ) Walleye ( <i>Sander vitreus</i> ) White Bass ( <i>Morone chrysops</i> ) White Perch ( <i>Morone americana</i> ) Whitefish ( <i>Coregonus</i> spp.) Whiting ( <i>Merlangius merlangus</i> ) Yellow Perch ( <i>Perca flavescens</i> ) Zebra Danio ( <i>Danio rerio</i> )
15	<i>Abalone herpesvirus (AbHV)</i>	Infection with Abalone Herpesvirus	I	Blacklip Abalone ( <i>Haliotis rubra</i> ) Greenlip Abalone ( <i>Haliotis laevis</i> ) <i>Haliotis aevigata</i> × <i>Haliotis rubra</i> Diversicolor Abalone ( <i>Haliotis diversicolor</i> )
16	<i>Ostreid herpesvirus-1 microvariant</i>	Infection with Ostreid Herpesvirus-1 Microvariant	I	Pacific Cupped Oysters ( <i>Crassostrea gigas</i> ) Portuguese Oyster ( <i>Crassostrea angulata</i> )
17	<i>HPR-deleted ISAV</i>	Infection with Infectious Salmon Anaemia Virus	I	Coho Salmon ( <i>Oncorhynchus kisutch</i> ) Atlantic Salmon ( <i>Salmo salar</i> ) Brown Trout ( <i>Salmo trutta</i> ) Pollock ( <i>Pollachius virens</i> ) Cod ( <i>Gadus morhua</i> ) Rainbow Trout ( <i>Oncorhynchus mykiss</i> ) Herring ( <i>Clupea harengus</i> )
18	<i>Salmonid alphavirus (SAV)</i>	Infection with Salmonid Alphavirus	I	Atlantic Salmon ( <i>Salmo salar</i> ) Brown Trout ( <i>Salmo trutta</i> ) Rainbow Trout ( <i>Oncorhynchus mykiss</i> )

NO	ORGANISME PENYEBAB	NAMA PENYAKIT	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
19	<i>Tilapia lake virus (TiLV)</i>	Tilapia Lake Virus Disease	I	Mango Tilapia ( <i>Sarotherodon galilaeus</i> ) Nile Tilapia ( <i>Oreochromis niloticus</i> ) Hybrid Tilapia ( <i>Oreochromis niloticus</i> x <i>Oreochromis aureus</i> )
20	<i>Carp edema virus (CEV)</i>	Carp Edema Virus Disease (CEVD)/ Koi Sleepy Disease	I	Common Carp ( <i>Cyprinus carpio</i> )
<b>Bakteri</b>				
1	<i>Edwardsiella ictaluri</i>	Enteric Septicaemia of Catfish (ESC)	II	African Catfish ( <i>Clarias gariepinus</i> ) Blue Catfish ( <i>Ictalurus furcatus</i> ) Brown Bullhead ( <i>Ictalurus nebulosus</i> ) Catfish/Walking Catfish ( <i>Clarias batrachus</i> ) Chanel Catfish ( <i>Ictalurus punctatus</i> ) Danio ( <i>Danio devario</i> ) Eel ( <i>Anguilla</i> sp.) Flounder ( <i>Paralichthys</i> sp.) Gold Fish ( <i>Carrasius auratus</i> ) Green Knifefish ( <i>Eigemannia virens</i> ) Jambal Catfish ( <i>Pangasius djambal</i> ) Blue Spot Mullet ( <i>Valamugil sehel</i> ) Nile Tilapia ( <i>Oreochromis niloticus</i> ) Striped Catfish ( <i>Pangasianodon hypophthalmus</i> ) Amberjack ( <i>Seriola</i> sp.)
2	<i>Vibrio parahaemolyticus (Vp AHPND)</i>	Acute Hepatopancreatic Necrosis Disease (AHPND)	I	Giant Tiger Prawn ( <i>Penaeus monodon</i> ) Whiteleg Shrimp ( <i>Penaeus vannamei</i> ) Fleshy Prawn ( <i>Penaeus chinensis</i> )
3	<i>Aeromonas salmonicida</i>	Furunculosis/Carp erythrodermatitis	II	Atlantic cod ( <i>Gadus morhua</i> ) Blue devil/Caerulian damsel ( <i>Pomacentrus caeruleus</i> ) Brook trout ( <i>Salvelinus fontinalis</i> ) Brown trout ( <i>Salmo trutta</i> ) Bullhead ( <i>Cottus gobio</i> ) Catfish ( <i>Clarias</i> sp.) Common Carp ( <i>Cyprinus carpio</i> ) Eel ( <i>Anguilla</i> sp.) Frog ( <i>Rana</i> sp.) Giant gouramy ( <i>Osporonemus goramy</i> ) Gilthead seabream ( <i>Sparus aurata</i> ) Goldfish ( <i>Carassius auratus</i> ) Nile Tilapia ( <i>Oreochromis niloticus</i> ) Pacific Halibut ( <i>Hippoglossus stenolepis</i> ) Northern pike ( <i>Esox lucius</i> ) Rainbow trout ( <i>Oncorhynchus mykiss</i> ) Salmon ( <i>Salmonidae</i> ) Scrawled butterflyfish ( <i>Chaetodon meyeri</i> )

NO	ORGANISME PENYEBAB	NAMA PENYAKIT	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				Shortjaw cisco ( <i>Coregonus zenithicus</i> ) Spotted Minnows ( <i>Galaxiidae</i> ) Turbot ( <i>Scophthalmus maximus</i> )
4	<i>Xenohaliotis californiensis</i>	Infections with <i>Xenohaliotis californiensis</i>	I	Black abalone ( <i>Haliostis cracherodii</i> ) European Abalone ( <i>Haliostis tuberculata</i> ) Flat Abalone ( <i>Haliostis wallalensis</i> ) Green Abalone ( <i>Haliostis fulgens</i> ) Japanese Abalone ( <i>Haliostis discus</i> ) Variously coloured abalone ( <i>Haliostis diversicolor</i> ) Pink Abalone ( <i>Haliostis corrugata</i> ) Red Abalone ( <i>Haliostis rufescens</i> ) White Abalone ( <i>Haliostis sorenseni</i> )
5	<i>Hepatobacter penaei</i>	Infection with <i>Hepatobacter penaei</i> (Necrotising hepatopancreatitis)	I	Whiteleg Shrimp ( <i>Litopenaeus vannamei</i> )
<b>Parasit</b>				
1	<i>Bonamia exitiosa</i>	Infection with <i>Bonamia exitiosa</i>	I	Dwarf Oyster ( <i>Ostrea stentina</i> ) European Flat Oyster ( <i>Ostrea edulis</i> ) Mud Oyster ( <i>Ostrea angasi</i> ) Chilean Oyster ( <i>Ostrea chilensis</i> )
2	<i>Bonamia ostreae</i>	Infection with <i>Bonamia ostreae</i>	I	European Flat Oysters ( <i>Ostrea edulis</i> ) Southern Mud Oyster ( <i>Ostrea angasi</i> ) Argentinian Oyster ( <i>Ostrea puelchana</i> ) Chilean Oyster ( <i>Ostrea chilensis</i> )
3	<i>Marteilia refringens</i>	Infection with <i>Marteilia refringens</i>	I	American oyster ( <i>Crassostrea virginica</i> ) Argentinian Oyster ( <i>Ostrea puelchana</i> ) Asiatic Oyster ( <i>Ostrea denselamellosa</i> ) Axe Head Mussel ( <i>Xenostrobus securis</i> ) Banded Carpet Shell ( <i>Tapes rhomboides</i> ) Blacklip Abalone ( <i>Haliotis rubra</i> ) Blue Mussel ( <i>Mytilus edulis</i> ) Common Cockle ( <i>Cerastoderma edule</i> ) Copepode ( <i>Paracartia grani</i> ) Dwarf Oyster ( <i>Ostrea stentina</i> ) European Flat Oyster ( <i>Ostrea edulis</i> ) Grooved Carpet Shell ( <i>Ruditapes decussatus</i> ) Grooved Razor Shell ( <i>Solen marginatus</i> ) Jackknife Clam ( <i>Ensis minor</i> ) Japanese Carpet Shell ( <i>Ruditapes philippinarum</i> ) Mediterranean Mussel ( <i>Mytilus galloprovincialis</i> ) Mud Oyster ( <i>Ostrea angasi</i> ) New Zealand Dredge Oyster ( <i>Ostrea chilensis</i> )

NO	ORGANISME PENYEBAB	NAMA PENYAKIT	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				Razor Clam ( <i>Ensis Siliqua</i> ) Small Carpet Clam ( <i>Tapes Pullastra</i> )
4	<i>Perkinsus olseni</i>	Infection with <i>Perkinsus olseni</i>	I	Clams: Mud Ark ( <i>Anadara trapezia</i> ) New Zealand Cockle ( <i>Austrovenus stutchburyi</i> ) Grooved Carpet Shell ( <i>Ruditapes decussatus</i> ) Japanese Cockle ( <i>Ruditapes Philippinarum</i> ) Small Giant Clam ( <i>Tridacna maxima</i> ) Boring Clam ( <i>Tridacna crocea</i> ) Jedo Venus ( <i>Protothaca jedoensis</i> ) Venerid Commercial Clam ( <i>Pitar rostrata</i> ) Oysters: Suminoe Oyster ( <i>Crassostrea ariakensis</i> ) Kumamoto Oyster ( <i>Crassostrea sikamea</i> ) Pearl Oysters: Black-lip Pearl Oyster ( <i>Pinctada margaritifera</i> ) Akoya Pearl Oyster ( <i>Pinctada martensii</i> ) Japanese Pearl Oyster ( <i>Pinctada fucata</i> ) Abalone: Black-lip Abalone ( <i>Haliotis rubra</i> ) Green-lip Abalone ( <i>Haliotis laevigata</i> ) Staircase abalone ( <i>Haliotis scalaris</i> ) Whirling abalone ( <i>Haliotis cyclobates</i> )
5	<i>Perkinsus marinus</i>	Infection with <i>Perkinsus marinus</i>	I	Eastern Oyster ( <i>Crassostrea virginica</i> ) Pacific Oyster ( <i>Crassostrea gigas</i> ) Suminoe Oyster ( <i>Crassostrea ariakensis</i> ) Mangrove Oyster ( <i>Crassostrea rhizophorae</i> ) Cortez Oyster ( <i>Crassostrea corteziensis</i> ) Softshell Clam ( <i>Mya arenaria</i> ) Baltic Macoma ( <i>Macoma balthica</i> )
6	<i>Gyrodactylus salaris</i>	Infection with <i>Gyrodactylus salaris</i>	I	Atlantic Salmon ( <i>Salmo salar</i> ) Rainbow Trout ( <i>Oncorhynchus mykiss</i> ) Arctic Charr ( <i>Salvelinus alpinus</i> ) North American Brook Trout ( <i>Salvelinus fontinalis</i> ) Grayling ( <i>Thymallus thymallus</i> ) North American Lake Trout ( <i>Salvelinus namaycush</i> ) Brown Trout ( <i>Salmo trutta</i> )

NO	ORGANISME PENYEBAB	NAMA PENYAKIT	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
<b>Jamur/Mikotik</b>				
1	<i>Batrachochytrium dendrobatidis</i>	Infection with <i>Batrachochytrium dendrobatidis</i>	I	1) Semua katak yang sebagian atau seluruh daur hidupnya berada di dalam air dari Ordo Anura. 2) Semua salamander yang sebagian atau seluruh daur hidupnya berada di dalam air dari Ordo Caudata.
2	<i>Aphanomyces invadans</i>	Infection with <i>Aphanomyces Invadans</i> (Epizootic Ulcerative Syndrome)	I	African Butter Catfish ( <i>Schilbe mystus</i> ) African Pike ( <i>Hepsetus odoe</i> ) American Shad ( <i>Alosa sapidissima</i> ) Atlantic Menhaden ( <i>Brevoortia tyrannus</i> ) Australian Bass ( <i>Macquaria novemaculeata</i> ) Ayu ( <i>Plecoglossus altivelis</i> ) Banded Tilapia ( <i>Tilapia sparrmanii</i> ) Barcoo Grunter ( <i>Scortum barcoo</i> ) Bar-eyed Goby ( <i>Glossogobius giuris</i> ) Barramundi or Sea Bass ( <i>Lates calcarifer</i> ) Black Bream ( <i>Acanthopagrus berda</i> ) Black Bullhead ( <i>Ameiurus melas</i> ) Black Drum ( <i>Pogonias cromis</i> ) Bluegill ( <i>Lepomis macrochirus</i> ) Blunt-toothed African Catfish ( <i>Clarias ngamensis</i> ) Bony Bream ( <i>Nematalosa erebi</i> ) Brown Bullhead ( <i>Ameiurus nebulosus</i> ) Bulldog ( <i>Marcusenius macrolepidotus</i> ) Catla ( <i>Catla catla</i> ) Chanda Perch ( <i>Ambassis agassiz</i> ) Channel Catfish ( <i>Ictalurus punctatus</i> ) Churchill ( <i>Petrocephalus catostoma</i> ) Climbing Perch ( <i>Anabas testudineus</i> ) Common Archer Fish ( <i>Toxotes chatareus</i> ) Dashtail Barb ( <i>Barbus poechii</i> ) Drums or Croakers ( <i>Bairdiella chrysoura</i> ) Dusky Flathead ( <i>Platycephalus fuscus</i> ) Dusky Tripletooth Goby ( <i>Tridentiger obscures obscures</i> ) Dwarf Gourami ( <i>Colisa lalia</i> ) Flying Barb ( <i>Esomus sp.</i> ) Fork-Tailed Catfish ( <i>Arius sp.</i> )

NO	ORGANISME PENYEBAB	NAMA PENYAKIT	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				Freshwater Cod ( <i>Maccullochella ikei</i> )
				<p>Giant Gourami (<i>Osphronemus goramy</i>)  Goby (<i>Glossogobius</i> sp.)  Golden Perch (<i>Macquaria ambigua</i>)  Goldfish (<i>Carassius auratus</i>)  Great Snakehead Fish (<i>Channa marulius</i>)  Green Bream (<i>Sargochromis codringtoni</i>)  Greenhead Tilapia (<i>Oreochromis machrochir</i>)  Grey Mullet or Striped Mullet (<i>Mugil cephalus</i>)  Keti-Bangladeshi (<i>Rohtee</i> sp.)  Kissing Gourami (<i>Helostoma temmincki</i>)  Largemouth Black Bass (<i>Micropterus salmoides</i>)  Long Tom (<i>Strongylura krefftii</i>)  Longbeard Barb (<i>Barbus unitaeniatus</i>)  Mangrove Jack (<i>Lutjanus argentimaculatus</i>)  Marble Goby (<i>Oxyeleotris marmoratus</i>)  Mouth Almighty (<i>Glossamia aprion</i>)  Mrigal (<i>Cirrhinus mrigala</i>)  Pinkeye Mullet (<i>Myxus petard</i>)  Mulletts (<i>Mugil</i> spp.; <i>Liza</i> spp.)  Murray Cod (<i>Macchullochella peelii</i>)  Narrow Banded Sole (<i>Aseraggodes macleayanus</i>)  Nembwe (<i>Serranochromis robustus</i>)  Nursery Fish (<i>Kurtus gulliveri</i>)  Pink Bream (<i>Sargochromis giardi</i>)  Pool Barb (<i>Puntius sophore</i>)  Primitive Acher Fish (<i>Toxotes lorentzi</i>)  Rainbow Bream (<i>Sargochromis carlottae</i>)  Rainbow Fish (<i>Melanotaenia splendida</i>)  Rainbow Trout (<i>Oncorhynchus mykiss</i>)  Redbreast Tilapia (<i>Tilapia rendalli</i>)  Red-eye Labeo (<i>Labeo cylindricus</i>)  Rohu (<i>Labeo rohita</i>)  Sand Whiting (<i>Sillago ciliata</i>)  Saratoga (<i>Scleropages jardini</i>)  Sharptooth African Catfish (<i>Clarias gariepinus</i>)  Sheepshead (<i>Archosargus probatocephalus</i>)  Silver barb (<i>Puntius gonionotus</i>)  Silver Catfish (<i>Schilbe intermedius</i>)  Silver Perch (<i>Bidyanus bidyanus</i>)  Silver Robber (<i>Micralestes acutidens</i>)  Sleepy Cod (<i>Oxyeleotris lineolatus</i>)</p>



NO	ORGANISME PENYEBAB	NAMA PENYAKIT	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				Snakeskin Gourami ( <i>Trichogaster pectoralis</i> ) Spangled Perch ( <i>Leiopotherapon unicolor</i> ) Spiny Turbot ( <i>Psettodes</i> sp.) Spotted Scat ( <i>Scatophagus argus</i> ) Straightfin Barb ( <i>Barbus peludinosus</i> ) Striped Grunter ( <i>Amniataba percoides</i> ) Striped Robber ( <i>Brycinus lateralis</i> ) Striped Scat ( <i>Selenotoca multifasciata</i> ) Striped Snakehead ( <i>Channa striatus</i> ) Swamp Eel ( <i>Fluta alba</i> ) Thamalakane Barb ( <i>Barbus thamalakanensis</i> ) Therapon ( <i>Therapon</i> sp.) Thinface Largemouth ( <i>Serranochromis angusticeps</i> ) Three-spot Gourami ( <i>Trichogaster trichopterus</i> ) Three-spotted Tilapia ( <i>Oreochromis andersoni</i> ) Tigerfish ( <i>Hydrocynus vittatus</i> ) Upper Zambezi Labeo ( <i>Labeo lunatus</i> ) Walking Catfish ( <i>Clarius batrachus</i> ) Wells Catfish ( <i>Silurus glanis</i> ) White Mullet ( <i>Mugil curema</i> ) Yellowfin Sea Bream ( <i>Acanthopagrus australis</i> )
3	<i>Aphanomyces astaci</i>	Infection with <i>Aphanomyces astaci</i> (Crayfish Plaque)	I	Chinese Mitten Crab ( <i>Eriocheir sinensis</i> ) Crayfish Congener ( <i>Orconectes</i> spp.) Louisiana Swamp Crayfish ( <i>Procambarus clarkii</i> ) Noble Crayfish ( <i>Astacus astacus</i> ) Signal Crayfish ( <i>Pacifastacus leniusculus</i> ) Turkish Crayfish ( <i>Astacus leptodactylus</i> ) White Clawed Crayfish ( <i>Austropotamobius pallipes</i> )

MENTERI KELAUTAN DAN PERIKANAN REPUBLIK  
INDONESIA,

Lembar Pengesahan		
No	Jabatan	Paraf
1	Kepala Badan KIPM	
2	Sekretaris Badan KIPM	
3	Kepala Puskari	
4	Kabag. Hukum, Kerja Sama dan Humas	

SUSI PUDJIASTUTI

DRAFT