



Faculty of Fisheries
and Marine Sciences
DARM
Department of Aquatic Resources Management



STAFF HANDBOOK

**Aquatic Resources Management Study Program
- Program Studi Manajemen Sumberdaya Perairan (MSP) -**

**Department of Aquatic Resources Management
Faculty of Fisheries and Marine Sciences
IPB University**

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Name	Prof. Dr. Ir. Hefni Effendi, M.Phil		
Post	Division of Aquatic Environment and Productivity, Department of Aquatic Resources Management, Faculty of Fisheries and Marine Science, IPB University		
Academic career	Doctor Rer Nat	Heinrich Heine Universitaet, Duesseldorf, Germany	1999-2004
	Master of Phillosophy	The University of Sheffield, England, UK	1991-1993
	Undergraduate degree	IPB University, Bogor, Aquatic Resources Management Department	1983-1987
Employment	Lecture	IPB University, Bogor	1989-present
	Researcher	Environmental Research Center, IPB University	1990-present
Research and development projects over the last 5 years	<ol style="list-style-type: none"> 1) Oil spill impact assessment in coastal and marine ecosystem in Sunda Strait, Lampung, PHE OSES (2021-2022) 2) The effect of increasing detergent use on changes in water quality and aquatic biota during the covid-19 pandemic, OGFICE Japan (2020) 3) EIA (Environmental Impact Assessment) pilot plan innovation and multi tenant buidling, IPB University (2020-2022) 4) Sludge utilization, PD PAL Jaya (2020) 5) River and lake water quality research, DKI Jakarta (2020) 6) EIA, Bioremediation, Sensitive area, Erosion study, Wastewater treatment assessment, ConocoPhillips Ltd (2020-2022) 7) Oil spill impact assessment in coastal and marine ecosystem in Karawang, Bekasi, and Kepulauan Seribu, YYA dan BZZA, PHE ONWJ (2019-2022) 8) Watershed restoration, Cikeas-Cileungsi-Kali Bekasi, Minstry of Environment and Forestry (2019) 		
Industry collaborations over the last 5 years	<p>2021</p> <ol style="list-style-type: none"> 1) EIA gold mining in South Kalimantan 2) Addendum EIA (ANDAL, RKL-RPL) Corridor Block, Musi Banyuasin and Banyuasin, South Sumatera Province and Pertek Produced Water Reinjection, ConocoPhillips (Grissik) Ltd 3) Study on Keri Soil Remediation, Corridor Block, ConocoPhillips (Grissik) Ltd 4) River water quality monitoring in DKI Jakarta 5) Lake/Reservoir water quality monitoring in DKI Jakarta 6) Environmental management and monotoring effort (UKL-UPL) Gas pipeline ORF Lengo-Stasiun Meter Cepu, PT Pertamina 7) Adendum EIA (Andal RKL-RPL) Geothermal development Darajad and Gunung Salak, Star Energy 8) Oil spill impact assessment on seawater in Karawang, Bekasi dan Kepulauan Seribu, Area BZZA, PHE ONWJ 9) Environmental monitoring in Soekarno-Hatta International Airport 10) Environmental monitoring in Halim Perdanakusumah International Airport 11) EIA Development of Laboratory of Technological information and communication, Ministry of Communication and Information 12) Assessment of river watershed plantation (QA/QC) Di Area Blok-2 13) Adendum EIA (Andal RKL-RPL) Development of Multi Tenant building of STP IPB University <p>2020</p> <ol style="list-style-type: none"> 1) Environmental monitoring in Soekarno-Hatta International Airport 2) 3) EIA of Development of Pilot Plant STP IPB University 		

	<ol style="list-style-type: none"> 4) Adendum EIA (ANDAL, RKL-RPL) Oil and gas development, Corridor Block, Musi Banyuasin, South Sumatera Selatan; ConocoPhillips (Grissik) Ltd 5) IPLT sludge utilization for fertilizer -Initial stage-Sludge characteristic identification 6) Erosion study in Suban <i>Compression</i>, Corridor Block, Musi Banyuasin, South Sumatera. ConocoPhillips (Grissik) Ltd 7) Assesment of WWTP Corridor Block, Musi Banyuasin, South Sumatera. ConocoPhillips (Grissik) Ltd <p>2019</p> <ol style="list-style-type: none"> 1) Water quality improvement through restoration of watershed and social empowerment in watershed of Cileungsi – Cikeas and Kali Bekasi. Ministry of Environment and Forestry 2) Study on Keri Soil Remediation, Corridor Block, ConocoPhillips (Grissik) Ltd 3) Environmental Final Assessment (“EFA”), South Jambi Block, Conocophillips (South Jambi) Ltd 4) Environmental study of gas pipeline development, PT Pertagas. 5) Delineation Package D 6) EIA of marine sand mining, Jawa sea, PT. LMP 7) DED development of Hazardous waste storage, PT PLN Persero 8) Emission measurement inUPDB, UPB, Unit Metalurgi and Tanjung Ular Area, PT Timah 9) Provision of UKL-UPL and Environment License Services for Exploration Drilling in North Ganal Block, ENI 10) EIA development of road Rao - Gunung Manahan, Pasaman Regency 11) Assessment of hazardous waste management location in North Sumatra 12) Environmental monitoring of transmission and gardu induk in UPP JJBB 3, PT PLN Persero 13) Oil spill impact assessment on seawater in Karawang, Bekasi dan Kepulauan Seribu, Area YYA, PHE ONWJ 14) Water quality enhancement of watershed restoration and social empowerment in watershed of Cileungsi – Cikeas and Kali Bekasi, Minstry of Environment and Forestry 15) River water quality monitoring in DKI Jakarta
Patents and proprietary rights	<ol style="list-style-type: none"> 1) Optimisation of combination of bioactivator and aquatic plant in aquaculture waste management, Bussiness Innovation Center (2018) 2) Phytoremediation using <i>Vetivera zizanioides</i> in aquaculture wastewater management, Bussiness Innovation Center (2018)
Important publications over the last 5 years	<ol style="list-style-type: none"> 1) Hasani Q, Pratiwi NTP, Effendi H, Wardiatno Y, Raja Guk Guk JA, Maharani HW, Rahman M. 2021. <i>Azolla pinnata</i> as Phytoremediation Agent of Iron (Fe) in Ex Sand Mining Waters. Chiang Mai University Journal of Natural Sciences 20(1):1-12 2) Surbakti EP, Iswantari A, Effendi H, Sulistiono. 2021. Distribution of dissolved heavy metals Hg, Pb, Cd, and As in Bojonegara Coastal Waters, Banten Bay. IOP Conference Series: Earth and Environmental Science 10:1-10. 3) Prayoga G, Hariyadi S, Sulistiono, Effendi H. 2021. Heavy metal (Pb, Hg, Cu) contamination level in sediment and water in Segara Anakan Lagoon, Cilacap, Indonesia. IOP Conference Series: Earth and Environmental Science 14:1-14. 4) Riskiana R, Hariyadi S, Effendi H. 2021. Abundance and distribution of microplastics in Baturusa watershed of Bangka Belitung Islands Province. IOP Conference Series: Earth and Environmental Science 10:1-10. 5) Effendi H, Prayoga G, Azhar AR, Azhar R. 2021. Pollution source of Cileungsi-Cikeas-Bekasi River. IOP Conference Series: Earth and Environmental Science 6:1-6. 6) Effendi H, Prayoga G, Azhar AR, Permadi T, and Santoso EN. 2021. Pollution Index of Cileungsi-Cikeas-Bekasi River. IOP Conference Series: Earth and Environmental Science 7:1-7.

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| | <ol style="list-style-type: none"> 7) Yusuf SM, Nugroho SP, Effendi H, Prayoga G, Permadi T, and Santoso EN. 2021. Surface runoff of Bekasi River subwatershed. IOP Conference Series: Earth and Environmental Science 744:012108 8) Gunawan, Effendi H, and Warsiki E. 2021. The socio-economic effect on microplastic pollution of boiled salted fish. IOP Conference Series: Earth and Environmental Science 1:012015. 9) Effendi H, Pratiwi NTM, Widyatmoko, and Utomo BA. 2020. Ammonia and orthophosphate removal of tilapia cultivation wastewater with <i>Vetiveria zizanioides</i>. Journal of King Saud University – Science 32(1): 207-212. 10) Yunandar, Effendi H, Widiatmaka, and Setiawan Y. 2020. Plankton biodiversity in various typologies of inundation in Paminggir peatland, South Kalimantan, Indonesia on dry season. Biodiversitas 21(3):1012-1019. 11) Kete SCR, Suprihatin, Tarigan SD, Effendi H. 2020. Assessment of Land Use Land Cover Changes and their Impact to Groundwater Quality Index in Kendari City – Indonesia. International Journal of Advanced Science and Technology 29(3):3441–3452. 12) Fauzia A, Bengen DG, Kawaroe M, Effendi H, Krisanti M. 2020. Spatio-temporal distribution of microalgae producing chlorophyll and carotenoid pigments in Bali Strait, Indonesia. Biodiversitas 20(1):61-67. 13) Effendi H, Hariyadi S, and Seroja R. 2019. Response Surface Method Application in Tofu Production Liquid Waste Treatment. Indonesian Journal of Chemistry 19(2): 298-304. 14) Yunandar, Effendi H, Widiatmaka W, and Setiawan Y. 2019. The dynamic changes of Barito basin peat land ecosystem in South Borneo, Indonesia. IOP Conf. Series: Earth and Environmental Science 284:012023 |
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Name	Prof. Dr. Ir. Yusli Wardiatno, M.Sc		
Post	Division of Aquatic Environment and Productivity		
Academic career	Doctor of Philosophy in Marine Science	Nagasaki University, Japan	1999-2002
	Master of Science in Marine Science	Aarhus University Denmark	1994-1996
	Bachelor degree in Aquatic Resources Management.	IPB University	1985-1990
Employment	Lecture	IPB University	1991-present
Research and development projects over the last 5 years	<p>Mapping, interaction modeling, and socio-economic impact assessment of invasive alien species (SAI) fish in inland public waters</p> <p>The use of symbionts as biological tags to differentiate the structure of crab resource stocks: an implication of sustainable fisheries management</p> <p>Biology and Ecology Mimi as the Basis for Management and Conservation in Indonesia</p> <p>STRUCTURE OF THE SHELL OF <i>Carcinoscorpius rotundicauda</i>, <i>Tachypleus gigas</i>, <i>Tachypleus Tridentatus</i> FOR BIOFOAM DESIGN BASIS OF FISHERY INDUSTRY WASTE IN TRADITIONAL BUILDING CONSTRUCTION</p>		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	<p>Intellectual Property Right (IPR)</p> <p>Ecosystem Health Index Calculation Program in Indonesia</p> <p>ID: EC00202078771</p>		
Important publications over the last 5 years	<p>BA John, BR Nelson, HI Sheikh, SG Cheung, Y Wardiatno, BP Dash, K Tsuchiya, Y Iwasaki, S Pati. 2018. A review on fisheries and conservation status of Asian horseshoe crabs. <i>Biodiversity and Conservation</i> 27 (14), 3573-3598</p> <p>JS Mulyana, T Iwai, M Takahashi, A Farajallah, Y Wardiatno, C Miura. 2018. Sex-changing patterns of Akoya pearl oyster (<i>Pinctada fucata</i>). <i>Zoological Letters</i> 4 (4), 11</p> <p>MD Putra, M Bláha, Y Wardiatno, M Krisanti, R Jerikho, MM Kamal, M Mojžišová, PK Bystřický, A Kouba, L Kalous, A Petrusek, JPatoka. 2018. <i>Procambarus clarkii</i> (Girard, 1852) and crayfish plague as new threats for biodiversity in Indonesia. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i>, 1-7</p> <p>Y Wahyudin, T Kusumastanto, L Adrianto, Y Wardiatno. 2018. A social ecological system of recreational fishing in the seagrass meadow conservation area on the east coast of Bintan Island, Indonesia. <i>Ecological Economics</i> 148, 22-35</p> <p>Redclaw crayfish, <i>Cherax quadricarinatus</i> (von Martens, 1868), widespread throughout Indonesia. 2018. J Patoka, Y Wardiatno, A Mashar, Y Yonvitner, D Wowor, R Jerikho, M Takdir, L Purnamasari, M Petrtýl, L Kalous, A Kouba, M Bláha. <i>BioInvasions Records</i> 7 (2), 185-189</p> <p>Fali Rahman, I Qayim, Y Wardiatno. 2018. Carbon storage variability in seagrass meadows of Marine Poton Bako, East Lombok, West Nusa Tenggara, Indonesia. <i>Biodiversitas Journal of Biological Diversity</i> 19 (5), 1626-1631</p>		

	<p>D Ariyanto, DG Bengen, T Prartono, Y Wardiatno. 2019. The physicochemical factors and litter dynamics (<i>Rhizophora mucronata</i> lam. and <i>Rhizophora stylosa</i> griff) of replanted Mangroves, Rembang, Central Java, Indonesia. <i>Environment and Natural Resources Journal</i> 17 (4), 11-19</p> <p>D Ariyanto, D G Bengen, T Prartono, Y Wardiatno. 2020. Distribution and abundance of <i>Cerithideopsilla djadjariensis</i> (Martin 1899)(potamididae) on <i>avicennia marina</i> in Rembang, Central Java, Indonesia. <i>Egyptian Journal of Aquatic Biology and Fisheries</i> 24 (3), 323-332</p> <p>J Patoka, M Takdir, H Aryadi, R Jerikho, J Nilawati, FY Tantu, L Bohatá, J Nilawati, F Y Tantu, L Bohatá, A Aulia, M M Kamal, Y Wardiatno. 2019. Miloslav Petrtyl Two species of illegal South American sailfin catfish of the genus <i>Pterygoplichthys</i> well-established in Indonesia. <i>Knowledge & Management of Aquatic Ecosystems</i>, 28</p> <p>EOL Pe, A Mashar, Y Wardiatno. 2020. Microplastic distribution and abundance in Cimandiri Watershed flowing to Palabuhanratu Bay, Sukabumi, West Java, Indonesia. <i>Aquaculture, Aquarium, Conservation & Legislation</i> 13 (2), 657-668</p> <p>J Marková, R Jerikho, Y Wardiatno, MM Kamal, ALB Magalhães, L Bohatá, L Kalous, J Patoka. 2020. Conservation paradox of giant arapaima <i>Arapaima gigas</i> (Schinz, 1822)(Pisces: Arapaimidae): endangered in its native range in Brazil and invasive in Indonesia. <i>Knowledge & Management of Aquatic Ecosystems</i>, 47</p> <p>DS Efendi, L Adrianto, Y Wardiatno, S Agustina. 2020. The performance of stock indicators of grouper (Serranidae) and snapper (Lutjanidae) fisheries in Saleh Bay, Indonesia. <i>Aquaculture, Aquarium, Conservation & Legislation</i> 13 (5), 2431-2444</p> <p>CC Wang, KY Kwan, PKS Shin, SG Cheung, S Itaya, Y Iwasaki, L Cai, Y Wardiatno. 2020. Future of Asian horseshoe crab conservation under explicit baseline gaps: A global perspective. <i>Global Ecology and Conservation</i> 24, e01373</p> <p>NK Aini, Y Wardiatno, H Effendi, A Mashar, H Madduppa. 2021. High genetic diversity and mixing of coastal horseshoe crabs (<i>Tachypleus gigas</i>) across major habitats in Sundaland, Indonesia. <i>PeerJ</i> 9, e11739</p> <p>Y Wardiatno, A Aziz, L Meilana, AA Hakim. 2021. A morphometric approach into mackerel (<i>Rastrelliger</i> spp.) diversity in Fisheries Management Area 711 as a management base. <i>IOP Conference Series: Earth and Environmental Science</i> 744 (1), 012096</p> <p>Y Wardiatno, B Riyanto, NA Iskandar, S Kleinertz, P Funch, F Kurniawan. 2021. A New Marine Biomaterial: The Shell of Mangrove Horseshoe Crabs, <i>Carcinoscorpius rotundicauda</i> (Latreille, 1802) Emphasizing Its Physico-Chemical Characteristics. <i>Frontiers in Marine Science</i>, 55</p>
Activities in specialist bodies over the last 5 years	Bioecology of Horseshoe crab dan Environmental Study Related to Oil Spill

Name	Prof. Dr. Ir. Bambang Widigdo
Post	Division of Aquatic Environment and Productivity
Academic career	<p>Doctor in Plancton Culture Universitaet Munchen 1985-1988</p> <p>Bachelor degree in Fisheries IPB University 1976-1980</p>
Employment	Lecture IPB University 1980-present
Research and development projects over the last 5 years	<p>Testing the Citarum Organic Fragrant Formula (HOC) for Tilapia (tilapia) Cultivation and Water Quality at the Tilapia Hatchery Installation of PT. Aquafarm Nusantara/Regal Springs Lubuk Naga, Kuala Lama, North Sumatra</p> <p>Use of probiotics to improve shrimp pond water quality</p> <p>Adaptation Technology and Plasticity of Shrimp in Karst Water Media</p>
Industry collaborations over the last 5 years	PT. Aquafarm Nusantara
Patents and proprietary rights	<p>Hydropower Media Pools and Methods for Building Them Patents No. ID: ID0009839</p> <p>Bioseal Technology Shrimp Farm Patents No. ID: P00201507984</p>
Important publications over the last 5 years	<p>AR Utami, B Widigdo. 2021. Condition of shrimp culture ponds in the South Coast of Cilacap Regency, Central Java, Indonesia. E3S Web of Conferences 322, 05002</p> <p>M Firdaus, B Widigdo. 2021. Brackishwater pond development: present status and problems in the Padang Pariaman Regency of West Sumatera, Indonesia. E3S Web of Conferences 322, 05009</p> <p>NTM Pratiwi, B Widigdo, A Yasin, J Soffyan, A Iswantari, DY Wulandari. 2021. Phytoplankton performance in supporting primary productivity in the intensive culture system of vannamei shrimp. IOP Conference Series: Earth and Environmental Science 744 (1), 012054</p> <p>B Widigdo, AA Hakim, A Mashar, IP Sari, Y Wardiatno. 2020. Comparison of Morphological Characters of Freshwater Crayfish (<i>Cherax quadricarinatus</i>) from Different Ecosystems in Indonesia. Jurnal Biologi Tropis 20 (3), 507-513</p> <p>B Widigdo, M RIFQI, ALI MASHAR, F NAZAR, Y WARDIATNO. 2020. The contribution of phytoplankton in the carbon adsorption and stock during shrimp culture in brackishwater ponds. Biodiversitas Journal of Biological Diversity 21 (11)</p> <p>M Rifqi, B Widigdo, A Mashar, Y Wardiatno. 2020. CO₂ and CH₄ flux from the water-air interface of three shrimp culture technologies. Aquaculture, Aquarium, Conservation & Legislation 13 (2), 605-617</p> <p>AA Hakim, A Mashar, A Fahrudin, B Widigdo, Y Wardiatno. 2020. New record of <i>Pseudoporcellanella manoliensis</i> Sankarankutty, 1961 (Crustacea: Decapoda: Porcellanidae) from Indonesian waters. Natura Croatica: Periodicum Musei Historiae Naturalis Croatici 28 (1), 147-154</p> <p>AA Hakim, A Mashar, A Fahrudin, L Adrianto, B Widigdo, Y Wardiatno. 2019. Diversity and distribution of Dorippid Crabs (Brachyura: Dorippidae) in East Coast of Lampung, Indonesia. IOP Conference Series: Earth and Environmental Science 149 (1), 012056</p>

Activities in specialist bodies over the last 5 years	Application of shrimp farming technology in sandy land with BIOCRETE technology

Name	Dr.Ir. Sigid Hariyadi, M.Sc		
Post	Division of Aquatic Environment and Productivity		
Academic career	Doctor in Aquatic Science	IPB University	2007-2011
	Master of Science in Water quality management	Auburn University	1989-1991
	Bachelor degree in Fisheries	IPB University	1979-1983
Employment	Lecture	IPB University	1995-present
Research and development projects over the last 5 years	<p>Observation Of Plastic Litter In The Citarum River (Upstream, Midstream, And Downstream)</p> <p>Cisadane water quality monitoring</p> <p>Monthly Research and Monitoring Activities of Lake Garden House and Lake Gold Coast</p> <p>Monthly Research and Monitoring Activities for Ebony Lake & Crown PIK, North Jakarta</p> <p>Special Monitoring Activities for Intake Cengkareng Drain-BGM PIK</p> <p>Mapping Sources and Integrated Wastewater Management from Various College Campus Activities</p>		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	-		
Important publications over the last 5 years	<p>NKY Susanti, A Mardiasuti, S Hariyadi. 2022. Microplastics in fishes as seabird preys in Jakarta Bay Area. IOP Conference Series: Earth and Environmental Science 967 (1), 012033</p> <p>I Khalik, A Sapei, S Hariyadi, E Anggraeni. 2022.. The Water Quality Characteristics and Quality Status of Bengkulu River and Nelas River, Bengkulu Province: Conditions for The Last Six Years. IOP Conference Series: Earth and Environmental Science 950 (1), 012038</p> <p>A Damar, S Hariyadi. 2022. Current Source and Distribution Pattern of Plastic Waste Leakage in the Estuary of Jakarta Bay. IOP Conference Series: Earth and Environmental Science 950 (1), 012057</p>		

	<p>E Juniardi, S Sulistiono, S Hariyadi, MM Kamal.2021. Heavy metal content of Pb and Cd in bandik grouper (<i>Cephalopholis boenak</i>) in Banten Bay, Indonesia. <i>Jurnal Biologi Tropis</i> 21 (3), 1047-1055</p> <p>FR Safitri, S Hariyadi. 2021. Aquatic physical and chemical characteristics of reservation and prohibited areas of mahseer (<i>Tor douronensis Valenciennes, 1842</i>) in Muara Bungo and Kerinci Regencies, Jambi. <i>E3S Web of Conferences</i> 322, 01010</p> <p>S Hariyadi, H Madduppa. 2021. Diversity, density, and Importance Value Index of mangroves in the Segara Anakan lagoon and its surrounding area, Cilacap Regency, Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> 744 (1), 012034</p> <p>N Kautsari, E Riani, DTF Lumbanbatu, S Hariyadi. 2020. Effect of temperature increase on gametes release of <i>Holothuria scabra</i>. <i>AAAL Bioflux</i> 13 (4), 2375-2387</p> <p>A Malik, R Affandi, K Soewardi, S Hariyadi, M Krisanti. 2020. NUTRIENT AVAILABILITY OF N AND P ELEMENTS FROM MANGROVE LITTERS IN THE SOPPENG RIAJA, BARRU, SOUTH SULAWESI. <i>Plant Archives</i> 20 (1), 1799-1804</p> <p>S Hariyadi, H Madduppa. 2018. Condition and mangrove density in Segara Anakan, Cilacap Regency, Central Java Province, Indonesia. <i>Aquaculture, Aquarium, Conservation & Legislation</i> 11 (4), 1055-1068</p> <p>R Seroja, H Effendi, S Hariyadi. 2018. Tofu wastewater treatment using vetiver grass (<i>Vetiveria zizanioides</i>) and zeliac. <i>Applied water science</i> 8 (1), 1-6</p> <p>P Ajitama, H Effendi, S Hariyadi. 2018. Usage of fisheries rearing waste for butterhead lettuce (<i>Lactuca sativa L. var. capitata</i>) cultivation in recirculation. <i>Nature Environment and Pollution Technology</i> 17 (1), 145-151</p>
<p>Activities in specialist bodies over the last 5 years</p>	<p></p>

Name	Dr.Ir. Niken T.M. Pratiwi, M.Si									
Position	Division of Aquatic Environment and Productivity									
Academic career	<table border="0"> <tr> <td>Aquatic Science</td> <td>IPB University</td> <td>2007</td> </tr> <tr> <td>Aquatic Science (Msi)</td> <td>IPB University</td> <td>1997</td> </tr> <tr> <td>Aquatic Resources Management (BSc)</td> <td>IPB University</td> <td>1990</td> </tr> </table>	Aquatic Science	IPB University	2007	Aquatic Science (Msi)	IPB University	1997	Aquatic Resources Management (BSc)	IPB University	1990
Aquatic Science	IPB University	2007								
Aquatic Science (Msi)	IPB University	1997								
Aquatic Resources Management (BSc)	IPB University	1990								
Employment	-									
Research and development projects over the last 5 years	<ol style="list-style-type: none"> 1. Potential of eutrophication and marine biodiversity as determinants for determination of tropical land water conservation and restoration (2016-2017) 2. Water quality remediation in sub-optimal ex-sand digage and its utilization for fisheries cultivation I (2019-2020) 3. Water quality remediation in sub-optimal ex-sand digage and its utilization for fisheries cultivation II (2020-2021) 									
Industry collaborations over the last 5 years	-									
Patents and proprietary rights	Filamentous Microalgae Isolate Storage Technology (IDP000061884)									
Important publications over the last 5 years	<ol style="list-style-type: none"> 1. Water Quality and Organic Content from Intensive System of Vaname Production at Coastal Area of Sumur, Pandeglang, Banten (2020) 2. Water Quality and Organic Content from Intensive System of Vaname Production at Coastal Area of Sumur, Pandeglang, Banten (2020) 3. The Existance of Phytoplankton and Zooplankton During Solar Eclips in a Single Spot of Pramuka Island Waters, Seribu Island (2017) 4. Diversity and Spatial Distribution of Plankton in Connected Waters of Bali Strait, between Eastern Part of Java and Western Part of Bali Island (2017) 5. Suitability of the Various Diversity Index of Phytoplankton in Garden House-Coastal Ornamental Lake, Pantai Indah Kapuk, North Jakarta (2018) 6. Community Structure of Plankton at Central Kalimantan Peat Swamp Area (2019) 7. Spatio-temporal Distribution of Phytoplankton in the Maralol and Salawatlol River on Salawati Island, Sorong, West Papua (2019) 8. Aufwuch Community on Association to Aquatic Plant in Lake Tempe, South Sulawesi (2019) 9. The Growth Potential of Single-celled Marine Chlorophycean Microalgae in Modified Saline Karst Water Culture Media (2021) 10. Phytoplankton Performance in Supporting Primary Productivity in the Intensive Culture System of Vannamei Shrimp(2021) 11. The phosphorus load and the variation of the trophic states of Cirata Reservoir (West Java, Indonesia) from 1988 to 2017(2021) 									
Activities in specialist bodies over the last 5 years	-									

Name	Dr. Majariana Krisanti, S.Pi, M.Si
Post	Division of Aquatic Environment and Productivity
Academic career	<p>Doctor in Aquatic Science IPB University 2008-2012</p> <p>Master of Science in Aquatic Science IPB University 2000-2003</p> <p>Bachelor degree in Aquatic Resources management. IPB University 1989-1993</p>
Employment	Lecture IPB University 1995-present
Research and development projects over the last 5 years	<p>Monthly Research and Monitoring Activities of Lake Garden House and Lake Gold Coast</p> <p>Monthly Research and Monitoring Activities for Ebony Lake & Crown PIK, North Jakarta</p> <p>Special Monitoring Activities for Intake Cengkareng Drain-BGM PIK</p> <p>Monthly Research and Monitoring Activities of Lake Garden House and Lake Gold Coast</p>
Industry collaborations over the last 5 years	-
Patents and proprietary rights	<p>Process of Provision of Vaname Shrimp (<i>Litopenaeus vannamei</i>) Maintenance Media Using Karst Water</p> <p>Patents</p> <p>No. ID: IDP000072954</p>
Important publications over the last 5 years	<p>E Sriwahyuni, M Krisanti. 2021. Uji toksisitas akut limbah pengeboran minyak (serbuk bor) terhadap <i>Artemia salina</i>. <i>Jurnal Pengelolaan Lingkungan Berkelanjutan (Journal of Environmental</i></p> <p>A Heirina, M Krisanti, NA Butet, Y Wardiatno, S Köpper, AA Hakim. 2021. Ectoparasites of blue swimming crabs (<i>Portunus pelagicus</i>) from Demak and East Lampung, Java Sea Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> 744 (1), 012026</p> <p>EW Erliani, M Krisanti, Y Wardiatno. 2021. The distribution pattern and description of new Sipunculan characteristics in Banda Neira. <i>IOP Conference Series: Earth and Environmental Science</i> 744 (1), 012017</p> <p>A Mashar, APN Firdaussya, M Krisanti, AA Hakim. 2021. Biodiversity of macroinvertebrate in artificial substrate from several habitats at Ponelo Island, Gorontalo. <i>IOP Conference Series: Earth and Environmental Science</i> 744 (1), 012044</p> <p>W Wakhid, A Rauf, M Krisanti, IM Sumertajaya, N Maryana. 2020. Aquatic insect communities in headwater streams of Ciliwung River watershed, West Java, Indonesia. <i>Biodiversitas Journal of Biological Diversity</i> 22 (1)</p> <p>F Yulianda, A Muhtadi, M Boer, M Krisanti, Y Wardiatno. 2020. Biological conservation of Molluscs based on spatial and temporal distribution in tropical tidal lake, Medan-Indonesia. <i>Hayati Journal of Biosciences</i> 27 (4), 273-273</p>

	<p>Y Hayati, L Adrianto, M Krisanti, WS Pranowo, F Kurniawan. 2020. Magnitudes and tourist perception of marine debris on small tourism island: Assessment of Tidung Island, Jakarta, Indonesia. <i>Marine pollution bulletin</i> 158, 111393</p> <p>A Muhtadi, F Yulianda, M Boer, M Krisanti, A Rahmadya. 2020. Hydrodynamics of tropical tidal lake waters, Lake Siombak, Medan, Indonesia. <i>Aquaculture, Aquarium, Conservation & Legislation</i> 13 (4), 2014-2031</p> <p>M Krisanti, LLI Maknuun, YM Anzani, AS Yuwono, R Widyastuti. 2020. A comparative study on macroinvertebrates community in three rivers of Jawa Island, Indonesia. <i>Aquaculture, Aquarium, Conservation & Legislation</i> 13 (2), 570-581</p> <p>M Krisanti, A Sofirma, AA Hakim, A Farajallah, Y Wardiatno, A Mashar. 2020. Secondary productivity of small Crustacea, <i>Neosesarma</i> sp. in Bintan Island waters, Riau Islands. <i>IOP Conference Series: Earth and Environmental Science</i> 420 (1), 012017</p> <p>MD Putra, M Bláha, Y Wardiatno, M Krisanti, R Jerikho, MM Kamal. 2018. <i>Procambarus clarkii</i> (Girard, 1852) and crayfish plague as new threats for biodiversity in Indonesia. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> 28 (6), 1434-1440</p> <p>H Effendi, JA Margaretha, M Krisanti. 2018. Reducing ammonia and chromium concentration in batik wastewater by vetiver (<i>Chrysopogon zizanioides</i> L.) grown in floating wetland. <i>Applied Ecology and Environmental Research</i> 16 (3), 2947-2956</p>
<p>Activities in specialist bodies over the last 5 years</p>	

Name	Dr. Zulhamsyah Imran		
Post	Division of Aquatic Environment and Productivity		
Academic career	Bachelor's degree – Aquatic Resources Management	IPB University	1989-1994
	Master's Degree- Coastal Planning and Management	IPB University	2000-2004
	Doctor of Pholosophy (PhD)- Social Ecology System	Hiroshima University	2012-2015
Employment	Lecturer	IPB University	1997-now
	Deputy for Administration	SEAMEO BIOTROP	2018-2020
	Director	SEAMEO BIOTROP	2021-now
	Deputy Director for Knowledge Management	PKSPL IPB	2015-2018
	Secretary Executive for Program Study	Management of Coastal and Marine Resources	2015-2017
	Reconstruction Continued Agency for Aceh Province	Aceh	2009-2009
	Rehabilitation and Reconstruction Agency for Aceh and Nias	Aceh	2007-2009
	Head of Coastal Resource Management	Center for Coastal and Marine Resource Studies	2001-2005
	Ketua Tim Penyusunan KLHS RZWP3K Provinsi Papua	Papua	Jan 2020-Dec 2020
Research and development projects over the last 5 years	Support in Analyzing Indonesian Invasive and Alien Species (IAS) Policy and Institutions, Data Collection and Organizing Stakeholder Consultations, Group Meetings and Workshops. For preparing project document of GEF 7 - IDR 469,310,000		
Industry collaborations over the last 5 years	PT Fajar Surya Swadaya : research on 10 seaweed tissue culture clones PT Kibo : University Internship Program to Japan PT PAW : Essential Oil Research		
Patents and proprietary rights	-		

Important publications over the last 5 years

Amount of Publications over the last 5 years: 37

Supriyanto, S.; Imran, Z.; Ardiansyah, R.; Auliyai, B.; Pratama, A.; Kadha, F. The Effect of Cultivation Conditions on Sacha Inchi (*Plukenetia volubilis* L.) Seed Production and Oil Quality (Omega 3, 6, 9). *Agronomy* 2022, 12, 636. <https://doi.org/10.3390/agronomy12030636>

M K Putri et al 2022 IOP Conf. Ser.: Earth Environ. Sci. 967 012050. Small island development based on the capture and mariculture feasibility at three islands in Kepulauan Seribu M K Putri^{1,3}, Yonvitner^{2,3} and Z Imran^{3,3}

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[IOP Conference Series: Earth and Environmental Science, Volume 967, 3rd International Conference on Integrated Coastal Management & Marine Biotechnology 2021 11/08/2021-12/08/2021 Online](#)

Alamin MA, Adrianto L, Kusumastanto T, Imran Z, Damar A. 2022. Sustainability status of bay management: Case study in Jor Bay, East Lombok Regency, West Nusa Tenggara Province. *IOP Conf Ser Earth Environ Sci.* 967(1). doi:10.1088/1755-1315/967/1/012052.

Spatial distribution of microplastic in sediment of the Citanduy River, West Java, Indonesia

B Widigdo¹, Z Imran^{1,2}, Taryono¹, D Y Wulandari¹ and A Marliana¹

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[IOP Conference Series: Earth and Environmental Science, Volume 744, International Symposium on Aquatic Sciences and Resources Management 16-17 November 2020, Bogor, West Java, Indonesia](#)
Citation B Widigdo et al 2021 IOP Conf. Ser.: Earth Environ. Sci. **744** 012098 doi:10.1088/1755-1315/744/1/012098

MA Al Amin, L Adrianto, T Kusumastanto, Z Imran, Community knowledge, attitudes and practices towards environmental conservation: Assessing influencing factors in Jor Bay Lombok Indonesia, *Marine Policy*, Volume 129, 2021, 104521, ISSN 0308-597X, <https://doi.org/10.1016/j.marpol.2021.104521>.

Imran Z., Ketjulan R., & Masahiro Y. (2021). SUSTAINABLE STRATEGY ON MARINE SPATIAL PLANNING OF TIWORO ARCHIPELAGIC. *Jurnal Ilmu Dan Teknologi Kelautan Tropis*, 13(3), 379-394. <https://doi.org/10.29244/jitkt.v13i3.35311>

Ilham Marasabessy(1), Achmad Fahrudin(2), Zulhamsyah Imran(3), Syamsul Bahri Agus(4), Muhammad Iksan Badarudin(5) Konektivitas Pulau Kecil dan Pulau Induk Dalam Pengembangan Ekowisata Bahari Berdasarkan Karakteristik Geografis dan Sosial Budaya Lokal (Studi Kasus Pulau Nusa Manu dan Nusa Leun)

Participatory mapping: Assessing problems and defined marine conservation planning and zoning in Jor Bay, Indonesia

M A Al Amin^{1,2}, L Adrianto^{2,3}, T Kusumastanto^{2,4}, Z Imran^{2,3} and F Kurniawan^{2,3}

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[IOP Conference Series: Earth and Environmental Science, Volume 414, The World Seafood Congress 2019 – "Seafood Supply Chains of the Future: Innovation, Responsibility, Sustainability" 9–11 September 2019, Penang, Malaysia](#)
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Fery Kurniawan, Zulhamsyah Imran, Robba Fahrisy Darus, Fitriyah Anggraeni, Ario Damar, Adriani Sunuddin, Mohammad Mukhlis Kamal, Niken Tunjung Murti Pratiwi, Inna Puspa Ayu, Aliati Iswantari, Rediscovering Halophila major (Zollinger)

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Coastal vulnerability index aftermath tsunami in Palu Bay, Indonesia

Z Imran^{1,2}, S W Sugiarto² and A N Muhammad¹

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[IOP Conference Series: Earth and Environmental Science, Volume 420, International symposium. "Coastal ecosystem and biodiversity of Asia-Pacific: Achieving SDG 14" 12–16 August 2019, Bogor, Indonesia](#)

Citation Z Imran et al 2020 IOP Conf. Ser.: Earth Environ. Sci. **420** 012014

Study of giant clam resources for potential marine tourism in Morella Waters, Central Maluku

I Rabiyanthi¹, F Yulianda² and Z Imran²

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[IOP Conference Series: Earth and Environmental Science, Volume 420, International symposium. "Coastal ecosystem and biodiversity of Asia-Pacific: Achieving SDG 14" 12–16 August 2019, Bogor, Indonesia](#)

Citation I Rabiyanthi et al 2020 IOP Conf. Ser.: Earth Environ. Sci. **420** 012023

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<http://www.bioflux.com.ro/aac>

Qualitative Loop Analysis of Social-Ecological Connectivity: The Case of Bima Bay, West Nusa Tenggara

Munawar Munawar, Luky Adrianto, Menofatria Boer, Zulhamsyah Imran, Andi Zulfikar. <https://doi.org/10.21776/ub.ecsofim.2020.008.01.01>

Real-Time Participatory Mapping for a Disaster and Emergency Preparedness System: A Case Study of Teacher Involvement in Centre Sulawesi-Indonesia. • Dr. Zulhamsyah Imran. Benny Purwonegoro - Slamet Widodo Sugiarto. Harry Imantho

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ANALISIS KEPUASAN PESNORKEL UNTUK PENGELOLAAN WISATA SNORKELING PADA EKOSISTEM TERUMBU KARANG (Studi Kasus di Taman Nasional Laut Kepulauan Seribu)

Anastasia Dian Rosalina, Yonvitner Yonvitner, Zulhamsyah Imran. <https://doi.org/10.31294/par.v6i1.4656>

Estimation of Water Carrying Capacity for Settlement Activities in Small Islands: A Case Study of Small Islands of North Tiworo District, Muna Sub District, Indonesia Romy Ketjulan*†, Zulhamsyah Imran**, Menofatria Boer** and Vincentius P. Siregar. 18(2).

Identification of Coral Reef Ecosystem Condition Nusa Manu and Nusa Leun Island for Marine Ecotourism Ilham Marasabessy1* Achmad Fahrudin2 , Zulhamsyah Imran2 , Syamsul B. Agus3

Study Suitability of Small Island for Marine Ecotourism (Case Study: Nusa Manu and Nusa Leun) in Central Maluku Ilham Marasabessy1* Achmad Fahrudin2 , Zulhamsyah Imran2 , Syamsul B. Agus3. Vol 1 No 2,

La Ode Alam Minsaris, Ario Damar, Zulhamsyah Imran1, Hawis Madduppa3 The potential relative resilience of coral reefs in Wakatobi as a sustainable management foundation. (<https://doi.org/10.1007/s11852-019-00706-x>) c

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Economic policy in the development of capture fisheries in Jayapura City. H Hutajulu^{1,2}, T Kusumastanto^{3,4}, S Budiharsono³ and Z Imran⁴. **Volume 241.**

Economic structure analysis in the development of skipjack tuna (*Katsuwonus pelamis*) fisheries industry in Jayapura City, Papuan Province. 1,2Halomoan Hutajulu, 3Zulhamsyah Imran, 4Sugeng Budiharsono, 4,5Tridoyo Kusumastant. *AAFL Bioflux*, 2019, Volume 12, Issue 5.

Sustainable Coastal and Marine Management Strategies of Nusa Manu and Nusa Leun Islands in Central Maluku Regency Ilham Marasabessy, Achmad Fahrudin, Zulhamsyah Imran & Syamsul B. Agus. <http://dx.doi.org/10.29244/jp2wd.2018.2.1.1-22>

Analysis of stakeholder in the development of Labombo Beach sustainable town in Palopo City. Vol 31(1). page 62-71. Muhammad Bibin, Yon Vitner, & Zulhamsyah Imran.

Suitability of the various diversity index of phytoplankton in Garden House-Coastal Ornamental Lake, Pantai Indah Kapuk, North Jakarta. N T M Pratiwi¹, Z Imran¹, S Hariyadi¹ and R Meidwilestari¹. doi :10.1088/1755-1315/176/1/012047.

Mangrove Vegetation : Composition & Structure in Bengawan Solo Estuary, Indonesia. *Naresuan Univesity Journal: Science and Technology* 2019; (26) 4. Mukti Ali. Sulistiono. Zulhamsyah Imran.

Diversity Models of Plankton in Gold Coast Ornamental Lake, Pantai Indah Kapuk, North Jakarta Sigid Hariyadi¹ , Niken TM Pratiwi¹ , Zulhamsyah Imran¹ , Muhammad Sufi Riawil¹ Bogor Agricultural University.

	<p>The Suitability of Labombo Beach Waters in Palopo City for Marine Tourism Activity. Muhammad Bibin¹, Zulhamsyah Imran². Jurnal Pengelolaan Perikanan Tropis, Juni 2018, Volume 02, Nomor 01.</p> <p>PROSES PERENCANAAN EKOWISATA BERBASIS MASYARAKAT: PEM BELAJARAN DARI PESISIR DI PULAU NUSA TENGGARA TIMUR SUMBA, INDONESIA. M Arsyad AlAmin, Ferry Kurniawan, Zulhamsyah tmran, Nano Sudarno, dan Wasisa Titi llhami.</p> <p>Policy Brief. Urgensi Kajian Lingkungan Hidup Strategis: Rencana Zonasi Wilayah Pesisir dan Pulau-Pulau Kecil dalam Rangka Mendorong Kontribusi Ekonomi Provinsi Papua. Dr. Zulhamsyah Imran¹, Ir. Martha Mandosir, M.Si.², Harry Imantho, M.Sc.³, Rifki Aldi Ramadhani, M.Si.⁴</p> <p>The core zone decisive of marine conservation area in Southeast Sulawesi using marxan. C Wijayanto¹, F Yulianda² and Z Imran²</p> <p>Published under licence by IOP Publishing Ltd IOP Conference Series: Earth and Environmental Science, Volume 967, 3rd International Conference on Integrated Coastal Management & Marine Biotechnology 2021 11/08/2021-12/08/2021 Online</p>
<p>Activities in specialist bodies over the last 5 years</p>	

Name	Dr. Ir. Gatot Yulianto, MSi
Post	Division of Aquatic Environment and Productivity
Academic career	<p>Doctor of Philosophy in Environmental and Resources Management IPB University 2011-2016</p> <p>Master of Science in Rural and Regional Development IPB University 1994-1996</p> <p>Undergraduate degree in Fisheries Socio Economic. IPB University 1985-1989</p>
Employment	Lecture IPB University 1993-present
Research and development projects over the last 5 years	<p>2019- The Status of the presence of microplastics in water and cultured organisms in ponds in Aceh Province - DIKTI</p> <p>2020-Academic Paper: Determination of the formula and estimated compensation value of people Jobs affected by the Oil Spill-PHE ONWJ Pertamina</p>
Industry collaborations over the last 5 years	-
Patents and proprietary rights	-
Important publications over the last 5 years	<p>N Andareswari, S Hariyadi, G Yulianto. 2019. Characteristics and management strategies of tapioca liquid waste processing in tapioca business center at North Bogor District. <i>Jurnal ECOLAB</i> 13(2) : 85-96</p> <p>R Fitria, F Diana, E Riani, G Yulianto, N Najmi. 2019. Analysis of sources and composition of marine debris in western and southern Aceh, Indonesia. <i>IOP Conf. Series: Earth and Environmental Science</i> 404 (2020) 012059. doi:10.1088/1755-1315/404/1/012059</p> <p>Putri AP, Affandi R, Setyobudiandi I, G Yulianto . 2019. Sustainability Status of Floating Net Cage Aquaculture (KJA) in Jatiluhur Reservoir, Purwakarta Regency. <i>JPSL</i> 9(3): 771-786. http://dx.doi.org/10.29244/jpsl.9.3.771-786.</p> <p>H Mandela, A Fahrudin, G Yulianto. 2020. Economic valuation of mangrove ecosystem services in Mandah District of Riau Province. <i>ECSOFiM</i>: 07(02): 142-156.</p> <p>Yonvitner, H Wafi, G Yulianto, M Boer, R Kurnia. 2020. The Fisheries Revenue Share on Small and Large Scale Fisheries in Sunda Strait. <i>Jurnal Agribisnis Perikanan</i> 13(1): 9-16.</p> <p>RRB Santosa1, G Yulianto, A Damar. 2021. Spatial Distribution of Sea Water Intrusion in the Coastal Area of Banten Bay and the Alternative Efforts to Control. <i>Jurnal Perikanan dan Kelutan</i> 11(1): 1-15</p> <p>Yonvitner, H Wafi, G Yulianto, M Boer, R Kurnia. 2021. Small-scale fishermen: Poverty as a challenge to achieve Sustainable Development Goals (SDGs) in Sunda Strait. <i>Masyarakat, Kebudayaan dan Politik</i> 34 (1): 81-92</p>

	<p>FK Yudha, F Yulianda, G Yulianto. 2021. The Community Structure of Coral Reef Fish on Marine Protected Area at Sebesi Island Lamoung. <i>Jurnal Sains dan Teknologi</i> 10(3): 281-287</p> <p>M Nopiana, F Yulianda, Sulistiono, A Fahrudin, G Yulianto. 2021. Coastal rehabilitation efforts through community perception: A case study in Karawang Regency, Indonesia. <i>AAAL Bioflux</i> 14 (1): 72-90</p> <p>Dewi SLKT, MM Kamal, T Tarsidin, G Yulianto. 2021. Sunfish's (Mola spp.) Habitat Characteristics on their Appearance at Dive Tourism Depths in Nusa Penida Waters, Bali. <i>Jurnal Biologi Tropis</i>, 21 (1): 149 – 156</p> <p>PA Dharma, F Yulianda, G Yulianto. 2021. Suitability and carrying capacity of coastal ecotourism in Clungup Mangrove Conservation (CMC), Malang District, East Java. <i>ECSoFiM: Economic and Social of Fisheries and Marine Journal</i>. 08(02): 196-210 Available online at http://ecsofim.ub.ac.id</p> <p>A Mashar, G Yulianto, SH Wisudo, LDW Handayani, IA Nur, H Supardid, A Ligafinzad, LF Amaloea, MD Putra, Y Wardiatno, H Effendi. 2021. Reconstruction of the compensation calculation formula for impacted aquaculture by marine pollution. <i>JPSL</i> 11(2): 215-220. http://dx.doi.org/10.29244/jpsl.11.2.215-220</p> <p>G Yulianto, A Mashar, SH Wisudo, LDW Handayani, IA Nur, H Supardid, A Ligafinzad, LF Amaloea, MD Putra, Y Wardiatno, H Effendi. 2021. Development of compensation valuation method for marine tourism businesses due to oil spill incident at the sea. <i>JPSL</i> 11(2): 221-232. http://dx.doi.org/10.29244/jpsl.11.2.221-232.</p> <p>T Yaeni, F Yulianda, G Yulianto. 2022. Rehabilitation strategy for mangrove ecotourism development in Tanjung Burung, Tangerang. <i>IOP Conf. Series: Earth and Environmental Science</i> 967 (2022) 012026. doi:10.1088/1755-1315/967/1/012026</p>
Activities in specialist bodies over the last 5 years	Socio Economic Fisheries, Coastal and Marine Resources Management.

Name	Dr. Taryono, S.Pi., M.Si.		
Post	Division of Aquatic Environment and Productivity		
Academic career	Doctor in Coastal Resource Management	IPB University	2011-2016
	Master of Science in Agriculture Economics	IPB University	1999-2002
	Undergraduate degree in Socio-economics of Fisheries.	IPB University	1988-1992
Employment	Lecture	IPB University	1997-present
Research and development projects over the last 5 years	<p>Rapid Assessment on Farm Practices and Company Policy on Environment, Social and Government (ESG) against IFCs Performance Standards of Dewi Laut Aquaculture (DLA). The Meloy Fund-USA. 2021.</p> <p>The Developmet of Academic Paper for Fisheries Non-Tax State Revenue Based on Fish Landed/Catch. Directorate Generale of Capture Fisheries, Ministry of Fisheries and Marine Affairs. 2021</p> <p>Assessment of Fish Logistics Performance Index 2021. Directorate Generale of Marineand Fisheries Product Competitiveness, Ministry of Fisheries and Marine Affairs. 2021.</p> <p>Mapping and Development Strategy for Local Value Chain of Import Substitutes for Priority Industries. Bank Indonesia Bali Office. 2021.</p> <p>Macroplastic Distribution Monitoring of Citarum River. Norwegian Institute for Water Research (NIVA) and Center for Environmental Studies-IPB University. 2021</p> <p>The Development of Academic Paper for Ministry of Fisheries and Marine Affairs Regulation on Traceability and National Fish Logistics System. Directorate Generale of Marineand Fisheries Product Competitiveness, Ministry of Fisheries and Marine Affairs. 2021.</p> <p>Assessment of Fish Logistics Performance Index 2020. Directorate Generale of Marine and Fisheries Product Competitiveness, Ministry of Fisheries and Marine Affairs. 2020.</p> <p>Socio-economic assessment for Large MPA Project for 716 Fisheries Management Area. Word Conservation Society Indonesia. 2020.</p> <p>Microplastics Distribution in the Java and Bali Coastal Waters. Ministry of Culture and Education Research Grant. 2018-2020.</p> <p>The Development of Blue Financial Instrument Framework. UNDP Indonesia office. 2019.</p> <p>The Development of Technocratic Document for National Short Term Development Plan of Marine and Fisheries Sector. National Development Planning Agency 2020-2024. 2019.</p> <p>Development of Fish Logistics Index Assesment Manual. Directorate Generale of Marineand Fisheries Product Competitiveness, Ministry of Fisheries and Marine Affairs. 2019.</p> <p>The Study on Fish Inflation in West Sulawesi Province. Bank Indonesia, West Sulawesi Office. 2019.</p>		

	<p>Development of Participatory Land Use Plans For Sukabumi District, West Java. Environmental Research Center (PPLH) IPB University and FAO Indonesia Program. 2019.</p> <p>The Development of Academic Paper for National Short Term Development Plan of Marine and Fisheries Sector. National Development Planning Agency 2020-2024. 2018.</p> <p>Development of Fish Logistics Index. Directorate Generale of Marine and Fisheries Product Competitiveness, Ministry of Fisheries and Marine Affairs. 2018.</p> <p>The Impact Analysis of Crayfish Invasif Species. Ministry of Research and Higher Education Reserach Grant. 2017-2018.</p> <p>Economic Analysis and Value Chain For Supporting National Fisheries Industry Acceleration Development, Case Study of Natuna, Bitung and Timika. Collaboration between Faculty of Fisheries and Marine Sciences (FPIK)-IPB and Conservation Strategy Fund Indonesia (CSFI).2017.</p> <p>Project of Integrated Economic Zone Development Based on Blue Economy at Lombok, FAO Project : TCP/INS/3501 Baby 03. 2017. FAO Indonesia Office. 2017.</p> <p>Development of Master Plan and Business Plan of Integrated Fisheries and Marine Center of Tual (Tual Municipal), Rote(Rote Ndao District) and Moa (South West Maluku District). Directorate General of Marine Spatial Management. 2016.</p>
Industry collaborations over the last 5 years	-
Patents and proprietary rights	Guidance For Implementation of Thematic Service Learning Program (KKNT) During the COVID-19 Pandemic.
Important publications over the last 5 years	<p>S Saptanto, M Boer, Sulistiono, Taryono. 2021. Vulnerability analysis for demersal fisheries in the Banten Region (A case study of Karangantu Port). IOP Conf. Series: Earth and Environmental Science 800 (2021) 012006 doi:10.1088/1755-1315/800/1/012006.</p> <p>Alimudin Laapo, Dietriech G. Bengen, Kamsina , Taryono Kodiran, Dafina Howara. 2021. Small scale fisheries performance: comparative analysis before and during the Covid-19 pandemic in Indonesia. E3S Web of Conferences 322, 05001 (2021) https://doi.org/10.1051/e3sconf/202132205001.</p> <p>Emilio de la Rosa, Mennofatria Boer, Taryono, Handoko Adi Susanto. 2021. Effectiveness of customary fisheries management on maintaining reef health status on Mayalibit bay, Raja Ampat. <i>J. Ilmu dan Teknologi Kelautan Tropis</i>, 13(2): 345-360. DOI: https://doi.org/10.29244/jitkt.v13i2.35824</p> <p>Permana Ari Soejarwo, Rismawaty Rusdi, Taryono Kodiran, Umami Muawanah. 2021. Estimation of Communities and Tourist Willingness To Pay (WTP) For Tsunami Disaster Mitigation in the Kalianda Coastal Area, Lampung Regency. <i>Jurnal Ilmu Lingkungan</i>. 19 (1) : 1-9.</p> <p>Bayu Pamungkas, Taryono, Rahmat Kurnia, Ety Riani. 2021. Potential Plastic Waste Input From Citarum River, Indonesia. <i>Bioflux</i>, 14(1) : 103-109.</p> <p>Sri Fitriani Monoarfa, Fredinan Yulianda, Taryono, Achmad Fahrudin. 2020. <i>Economic value of whale shark tourism in Botubarani village, Bone Bolango Regency Gorontalo Province</i>. <i>J. Ilmu dan Teknologi Kelautan Tropis</i>, 12(3): 779-790. DOI: http://doi.org/10.29244/jitkt.v12i3.31166</p> <p>Kodiran T, Mashar A, Febriana R, Nurulhayati ER, Nurulhafidzah A, Wardiatno Y. 2020 The Development of Economic Valuation Method for the Direct Impact Alien</p>

	<p>Invasive Species Based on Food Competition in Aquatic Ecosystem. JPSL 10 (2) : 198-208 http://dx.doi.org/10.29244/jpsl.10.2.198-208.</p> <p>Elias O. Lodo Pe, Ali Mashar, Taryono, Yusli Wardiatno.2020. Microplastic distribution and abundance in Cimandiri Watershed flowing to Palabuhanratu Bay, Sukabumi, West Java, Indonesia. AACL Bioflux. 13 (2) : 657-668.</p> <p>Muis, R Kurnia, Sulistiono, Taryono. 2020. Diversity of coral reef fish in the coastal water of Spelman Straits, Southeast Sulawesi. IOP Conf. Series: Earth and Environmental Science 420 (2020) 012021 doi:10.1088/1755-1315/420/1/012021.</p> <p>Muis, Rahmat Kurnia, Sulistiono, Taryono. 2019. Coral reefs status and fish species in coastal waters of Spelman Straits, Southeast Sulawesi Indonesia. AACL Bioflux. 5(12) : 2020-2026.</p> <p>YP Paulangan, A Fahrudin, D Sutrisno, DG Bengen, MA Al-Amin, Taryono, Y Wahyudin. 2019. Socio-economic and institutional sustainability management of coral reef ecosystem based on local communities in Teluk Depapre), Jayapura, Indonesia. IOP Conf. Series: Earth and Environmental Science 241 (2019) 012034 doi:10.1088/1755-1315/241/1/012034</p> <p>Taryono, Kadarwan Soewardi, Ahmad Fachrudin, M. Mukhlis Kamal, Arif Satria. 2020. <i>Perspective on Institutional Legitimacy of Sea-ranching at Seribu Island-Jakarta</i>. Sodality Jurnal Sosiologi Pedesaan · October 2020. DOI: 10.22500/sodality.v4i2.13394</p> <p>P B Utami, D Parluhutan, K Taryono, Auliansyah, O R Simarankir, Ricky, Nani. 2021. The economic marine tourism based on cleanliness health safety and environment (CHSE) protocol as covid-19 outbreak responses at Derawan Island, Indonesia. IOP Conf Series : Earth and Environmental Science 967 (2022) 012021. doi : 0.1088/1755-1315/967/1/012021</p> <p>OR Simarankir, F Tawang, PB Utami, T Kodiran. 2022. Carrying capacity studies of marine tourism during COVID-19 pandemic in Derawan Island, Berau, East Kalimantan. IOP Conf. Series: Earth and Environmental Science 967 (2022) 012030. doi:10.1088/1755-1315/967/1/012030</p>
Activities in specialist bodies over the last 5 years	Indonesia Logistics Association (ALI)

Name	Aliati Iswantari, S.Pi., M.Si.		
Post	Division of Aquatic Productivity and Environment		
Academic career	Master Degree in Aquatic Resources Management	IPB University	2010-2014
	Undergraduate Degree in Aquatic Resources Management	IPB University	2004-2009
Employment	Lecturer	IPB University	2015-present
Research and development projects over the last 5 years	<ol style="list-style-type: none"> 1. Fish Biodiversity and Environmental Assessment in Cibareno River to Support Inland Water Management Local Fish Domestication (2022)- Food Agriculture Organization (FAO) iFISH Indonesia 2. Biodiversity and Carrying Capacity of Jatigede Reservoir, West Java, Indonesia (2020-2021)- laboratory of Micro Biology, MSP-IPB 3. Fish Processing Wastewater Treatment using HOC (Harum Organik Citarum) Bacteria (2020)-Aquafarm Nusantara Inc., Regal Springs Indonesia 4. Ornamental Lake Water Quality Monitoring, Pantai Indah Kapuk, North Jakarta (2018-1019)- Bukit Golf Mediterania Inc., Indonesia 5. Aerophonic as Zero Waste Technology of Wastewater Management in Fisheries and Marine Science Faculty, IPB University, Indonesia (2016) Osaka Gas Foundation of International Cultural Exchange (OGFICE)-Japan 		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	Filamentous Microalgae Isolate Storage Technology (IDP000061884)		2017
Important publications over the last 5 years	<p>(9 of 24 articles)</p> <ol style="list-style-type: none"> 1. Widigdo B, Yuhana M, Iswantari A, Madonsa C, Sapitri ID, Wardiatno Y, Hakim AA, Nazar F. 2021. The Impact of Nitrifying Probiotic to Population Growth of Pathogenic Bacteria, <i>Vibrio</i> Sp., and Toxic Nitrogen Gasses in Marine Shrimp Culture Media Under Laboratory Condition. <i>Journal of Natural Resources and Environmental Management</i>. 11(1): 130-140 2. Surbakti EP, Iswantari A, Effendi H, Sulistiono. 2021. Distribution of dissolved heavy metals Hg, Pb, Cd, and As in Bojonegara Coastal Waters, Banten Bay. <i>IOP Conf. Ser.: Earth Environ. Sci.</i> 744 012085 3. Pratiwi NTM, Imran Z, Ayu IP, Iswantari A, Wulandari DT. 2020. The Phosphorus Load and The Variation of The Trophic States of Cirata Reservoir (West Java, Indonesia) from 1988 to 2017. <i>Biodiversitas</i>. 21(9): 4176-4183 4. Kurniawan F, Imran Z, Darus RF, Anggraeni F, Damar A, Sunuddin A, Kamal MM, Pratiwi NTM, Ayu IP, Iswantari A. 2020. Rediscovering <i>Halophila major</i> (Zollinger) Miquel (1855) in Indonesia. <i>Aquatic Botany</i>. 161(1): 103171 5. Widigdo B, Hariyadi S, Iswantari A, Pangaribuan A. 2020. Evaluation of Water Quality of Crown Golf Ornamental Lake, North Jakarta Based on N and P Content (in Bahasa). <i>Habitus Aquatica</i>. 1(2): 28-37 6. Pratiwi NTM, Wardiatno Y, Azizi W, Iswantari A. 2019. Aufwuch Community on Association to Aquatic Plant in Lake Tempe, South Sulawesi. <i>IOP Conf. Ser.: Earth Environ. Sci.</i> 298 012004 		

	<p>7. Iswantari A, Pratiwi NTM, Hariyadi S, Ayu IP. 2018. Relationship between Phytoplankton Community Structure and Water Quality in the Lake Gold Coast, North Jakarta . 17th World Lake Conference Proceeding</p> <p>8. Ayu IP, Pratiwi NTM, Iswantari A, Hariyadi S, Mulyawati D, Subhan B, Arafat D, Santoso P, Sastria M. 2017. Spatial Distribution of Plankton in Riau Islands Province, Indonesia. IOP Conf. Ser.: Earth Environ. Sci. 54 012091</p>		
Activities in specialist bodies over the last 5 years	Indonesian Society of Limnology	Member of Public Relation and Publication Division	Period 2021-2025

Name	Inna Puspa Ayu, S.Pi, M.Si		
Post	Division of Aquatic Environment and Productivity		
Academic career	Master Degree in Aquatic Resources Management	IPB University	2008
	Undergraduate Degree in Aquatic Resources Management	IPB University	2002
Employment	Lecturer	IPB University	
Research and development projects over the last 5 years	-		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	-		
Important publications over the last 5 years	<p><i>Waste management model (case study of bogor agricultural university, indonesia): Aerophonic as Zero Waste Technology of Wastewater Management in Fisheries and Marine Science Faculty, Bogor Agricultural University (IPB), Indonesia - OSAKA GAS FOUNDATION - 2015/2016</i></p> <p><i>Potensi Ekologis Serta Pemanfaatan Air Karst Sebagai Media Tumbuh Kaya Mineral Bagi Mikrobiota Akuatik - BOPTN 2015, DIKTI – 2015</i></p> <p><i>Eksplorasi Potensi Filamentus Mikroalgae Sebagai Alternatif Sumberdaya Terbarukan – BOPTN 2014, DIKTI</i></p> <p><i>Utilization of natural resources as a chain of renewable energy to support fisheries activity - OSAKA GAS FOUNDATION</i></p> <p><i>Biodiversitas Plankton Laut - 2014</i></p>		
Activities in specialist bodies over the last 5 years	<i>Organisation</i> <i>KomisI Akademik Program Studi Biologi</i> <i>Reproduksi Sekolah Pascasarjana IPB</i>	<i>Member</i>	<i>2002-now</i>
	<i>Forum Pelanggan PDAM Kota Bogor</i>	<i>Secretary</i>	<i>2011-now</i>
	<i>Bidang Penelitian dan Pengembangan</i> <i>Forum Pelanggan PDAM Nasional</i>	<i>Head</i>	<i>2012-now</i>
	<i>Koordinator CSR (keanekaragaman dan budidaya laut) pada PT DSLNG</i>	<i>Coordinator</i>	<i>2012-2014</i>

Name	Dwi Yuni Wulandari, S.Pi, M.Si
Post	Division of Aquatic Environment and Productivity
Academic career	<p>Master Degree in Aquatic Resources Management IPB University 2013-2015</p> <p>Bachelor degree in Aquatic Resources Management IPB University 2007-2011</p>
Employment	Lecture IPB University 2020-present
Research and development projects over the last 5 years	<p>Observation Of Plastic Litter In The Citarum River (Upstream, Midstream, And Downstream)</p> <p>Jatigede Reservoir Metabolism After Complete Inundation.</p> <p>Mapping Sources and Integrated Wastewater Management from Various College Campus Activities</p> <p>Mapping of Microplastic Pollution in Waters and Detection of Impacts on Marine Biota on the Java-Bali Coast</p>
Industry collaborations over the last 5 years	-
Patents and proprietary rights	-
Important publications over the last 5 years	<p>NTM Pratiwi, DY Wulandari, IP Ayu, A Iswantari. 2017. Diversity and spatial distribution of plankton in connected waters of Bali Strait, between Eastern part of Java and Westernpart of Bali Island. IOP Conference Series: Earth and Environmental Science 54 (1),012090</p> <p>NTM Pratiwi, S Hariyadi, IP Ayu, T Apriadi, A Iswantari, DY Wulandari. 2019. Management of Organic Matter Content in MSP-IPB Proling Laboratory Liquid Waste with Various Combinations of Bioremediation Agents. Jurnal Biologi Indonesia 15 (1) (in Bahasa)</p> <p>N Pratiwi, Z Imran, IP Ayu, A Iswantari, DY Wulandari. 2020. The phosphorus load and the variation of the trophic states of Cirata Reservoir (West Java, Indonesia) from 1988 to 2017. Biodiversitas Journal of Biological Diversity 21 (9)</p> <p>B Widigdo, Z Imran, DY Wulandari, A Marlina. 2021. Spatial distribution of microplastic in the sediment of the Citanduy River, West Java, Indonesia. IOP Conference Series: Earth and Environmental Science 744 (1), 012098</p> <p>Taryono, DY Wulandari. 2021. Management strategy of plastic waste in the Cimandiri River-Sukabumi, West Java. IOP Conference Series: Earth and Environmental Science 744 (1), 012089.</p>
Activities in specialist bodies over the last 5 years	

Name	Prof. Dr. Ir. Sulistiono MSc.		
Post	Division of Ecobiology and Conservation of Aquatic Resources		
Academic career	Dr.	Tokyo University of Fisheries	1996 – 1999
	MSc	Tokyo University of Fisheries	1994 – 1996
	Under graduate	Bogor Agricultural University	1982 – 1987
Employment	Position	Employer	Period
	Secretary of Study Program of Aquatic Resources	IPB	2000
	Vice Dean III (student Affairs)	Faculty of Fisheries and Marine Sciences, IPB	2001-2004
	Head of Department of Aquatic Resources Management	IPB	2004-2009
	Secretary of Institute of Research and Community Service	IPB	2009-2013
	Head of Indonesian Ichthyological Society	IIS (Masyarakat Iktiologi Indonesia)	2013-2018
	Head of Division of Aquatic Resources Ecobiology and Conservation	Department of Aquatic Resources Management, IPB	2020-now
Research and development projects over the last 5 years	<p>Aquatic ecological assessment of Banten Bay (2019-2021)</p> <p>Fish migratory species at Batang Toru River, North Sumatera (2019)</p> <p>Aquatic organism biodiversity at aquatic ecosystem of NHM (Nusa Halmahera Mining) area and its around (2017-2018)</p>		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	Title	Year	
	Sertifikat paten Nomor ID P0029169: Proses Fragmentasi Buatan pada Budidaya Karang Masif untuk Produksi Masal Karang Masif	2011	
	Nomor Permohonan SID201808573: Judul invensi: Inkubator Pemeliharaan Kepiting Kenari	2020	
Important publications over the last 5 years	<p>Macrozoobenthos Community Structure In The Estuary of Donan River, Cilacap, Central Java Province, Indonesia. <i>Omni-Akuatika</i> 13 (2)</p> <p>Size structure and population dynamics of Indo-Pacific mackerel (<i>Scomberomorus guttatus</i>) in Kepulauan Riau's water, Indonesia. <i>AAFL Bioflux</i> 11 (4), 1081-1088</p>		

	<p>Logam berat kerang totok (<i>Geloina erosa</i>) di timur segara anakan dan barat sungai donan, cilacap. <i>JPHPI Jurnal Pengolahan Hasil Perairan Indonesia</i> 21 (2), 233-243</p> <p>Macrozoobenthos Community Structure In The Estuary of Donan River, Cilacap, Central Java Province, Indonesia. <i>Omni-Akuatika</i> 13 (2)</p> <p>Biological characteristics of Indo-Pacific KingMackerel (<i>Scomberomorus guttatus</i>, Bloch and Schneider 1801) in Moro Waters part of Kepulauan Riau, Indonesia <i>Biological ...IOP Conference Series: Earth and Environmental Science</i> 176 (1), 1-13</p> <p>Fishery sustainability study with sustainability window (SuWi) analysis in the South China Sea (Indonesia Fisheries Management Area 711) <i>IOP Conf. Series: Earth and Environmental Science</i> 176 (01236)</p> <p>Species composition of <i>Telmatherina</i> caught in the vegetated and rocky habitats in Matano Lake, South Celebes, Indonesia. <i>AACL Bioflux</i> 11 (3), 948-955</p> <p>Resource management in the Karimunjawa Islands, Central Java of Indonesia, through DPSIR approach. <i>AES Bioflux</i> 10 (1), 7-22</p> <p>Assessment of waters ecology condition for the development of green mussel cultivation (<i>Perna viridis</i> L.) In coastal kuala langsa, aceh. <i>BAWALWIDYA RISET PERIKANAN TANGKAP</i> 10 (1), 7-67</p> <p>Length-weight relationship and condition factor of yellowstripe scads <i>Selaroides leptolepis</i> in sunda strait. <i>Jurnal Ilmu dan Teknologi Kelautan Tropis</i> 9 (2), 577-584</p> <p>Status of stock of <i>Rastrelliger</i> spp. as the base for fisheries management. <i>Jurnal Perikanan Universitas Gadjah Mada</i> 18 (2), 73-81</p> <p>Struktur Komunitas Fitoplankton di Perairan Muara Sungai Bengawan Solo, Ujung Pangkah, Jawa Timur (Phytoplankton community structure at estuary of Bengawan Solo River, Ujung ...<i>Biospecies</i> 11 (1), 19-36</p> <p>Mangrove vegetation: Composition and structure in Bengawan Solo Estuary, Indonesia. <i>Naresuan University Journal: Science and Technology</i> 26 (4), 107-118</p> <p>Phytoplankton community structure in the Estuary of Donan River, Cilacap, Central Java, Indonesia. <i>Biodiversitas</i> 19 (6), 2104-2110</p> <p>Morphometric characteristics of coconut crabs (<i>Birgus latro</i> Linnaeus, 1767) in North Moluccas Province, Indonesia. <i>AACL Bioflux</i> 11 (5), 1617-1632</p> <p>Distribusi Spasial dan Temporal Kepiting Kelapa (<i>Birgus latro</i> Linn 1767) di Daeo Kabupaten Pulau Morotai, Maluku Utara (Spatial and Temporal Distributions of Coconut Crab ...<i>Jurnal Ilmu Pertanian Indonesia (JIPI)</i> 23 (3), 211-219</p> <p>Heavy metal content of tank goby (<i>Glossogobius giuris</i>) in East Segara Anakan, Cilacap, Central Java, Indonesia. <i>Jurnal Pengolahan Hasil Perikanan Indonesia</i> 21 (3), 423-432</p> <p>Study on some reproductive aspects of blue swimming crab (<i>Portunus pelagicus</i>) in Mayangan Waters, Subang, West Java. <i>Biospecies</i> 12 (1), 1-10</p> <p>Sex ratio and growth pattern of coconut crabs <i>Birgus latro</i> (Crustacea, Decapoda, <i>Cianobitidae</i>) in North Moluccas Province, Indonesia. <i>Omni-akuatika</i> 15 (1), 1-11</p> <p>Macrozoobenthos community structure in the Western Segara Anakan Lagoon, Central Java, Indonesia. <i>Biodiversitas</i> 20 (6), 1588-1596</p>
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	<p>Food habits of endemic opudi fish (<i>Telmatherina prognatha</i>, Kottelat 1991) in Matano Lake, South Sulawesi, Indonesia. <i>B I O D I V E R S I T A S</i> 21 (4): 1373-1378</p> <p>Coastal rehabilitation through the implementation of government policy: Case study in Karawang Regency, West Java, Indonesia. <i>Jurnal Perspektif Pembiayaan dan Pembangunan Daerah</i> 7 (4): 359-374.</p> <p>Evaluation of mud crab utilization in the small outermost island: A case study of Enggano Island, Bengkulu Province, Indonesia. <i>IOP Conf. Series: Earth and Environmental Science</i>420 (2020):1-9.</p> <p>Diversity of coral reef fish in the coastal water of Spelman Straits, Southeast Sulawesi. <i>IOP Conf. Series: Earth and Environmental Science</i>420 (2020): 1-8.</p> <p>Culture-Based Fisheries in Rawa lebak lebung, South Sumatera, is it Applicable? Culture-Based Fisheries in Rawa lebak lebung, South Sumatera, is it Applicable?. <i>OP Conf. Series: Earth and Environmental Science</i>399 (2019):1-7.</p> <p>Condition of shore and mangrove area in the coastal area of Karawang Regency, Indonesia. <i>AACL Bioflux</i> 13(2):553-569.</p> <p>Distribusi Ukuran, Pola Pertumbuhan, dan Faktor Kondisi Ikan Endemik Opudi (<i>Telmatherina prognatha</i>) di Danau Matano, Sulawesi Selatan. <i>Jurnal Ilmu Pertanian Indonesia (JIPI)</i>, 24 (4): 295-303.</p> <p>Coral reefs status and fish species in coastal waters of Spelman Straits, Southeast Sulawesi, Indonesia. <i>AACL Bioflux</i> 12(5):2020-2029.</p> <p>Study on the coconut crab (<i>Birgus latro</i>) in-situ rearing in Derawan Islands, Indonesia: feeding artificial food (part 1). <i>AACL Bioflux</i> 15(2):1919-1928</p> <p>Resiliensi nelayan terhadap ketersediaan sumberdaya perikanan di Kepulauan Karimunjawa (Fishers' Resilience to the Availability of Fishery Resources in Karimunjawa Island). <i>Journal of Natural Resources and Environmental Management</i>. 9(2): 527-540.</p> <p>Kesesuaian dan Daya Dukung Ekowisata Berbasis Ekologi Mangrove Di Teluk Pangpang, Banyuwangi. <i>Journal of Fisheries and Marine Research</i>,3 (2): 194-205.</p> <p>Hubungan Antara Degradasi Mangrove Segara Anakan dan Penurunan Hasil Tangkapan Kepiting Bakau (<i>Scylla</i> sp.) di Kabupaten Cilacap, Provinsi Jawa Tengah (Correlation Between Mangrove Degradation in Segara Anakan and Production of Crab (<i>Scylla</i> sp.) in Cilacap Regency, Central Java Province). <i>Jurnal Ilmu Pertanian Indonesia (JIPI)</i>, 24 (3): 179-187.</p> <p>Training and Mentoring to Empower the Coastal Community in Saramaake Village, East Halmahera, North Moluccas of Indonesia. <i>Journal of Community Development Research (Humanities and Social Sciences)</i>, 12(3): 76 -83.</p> <p>Macrozoobenthos community structure in the Western Segara Anakan Lagoon, Central Java, Indonesia. <i>B I O D I V E R S I T A S</i> 20(6):1588-1596.</p> <p>Sex ratio and growth pattern of coconut crabs <i>Birgus latro</i> (Crustacea, Decapoda, <i>Cianobitidae</i>) in North Moluccas Province, Indonesia. <i>Omni-Akuatika</i>, 15 (1): 1–11</p> <p>Household welfare of mud crab fishermen in small outermost islands. Case study: Enggano Island, Bengkulu Province, Indonesia. <i>AACL Bioflux</i>, 12 (2):564-569.</p>
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	<p>Pengembangan Kelembagaan dalam Rangka Peningkatan Manajemen Produk Ikan Teri di Desa Saramaake, Halmahera Timur, Maluku Utara. <i>Agrokreatif</i>, 5 (1): 77-87.</p> <p>Edukasi pelestarian sumberdaya dan lingkungan pantai pada nelayan perikanan bagan Desa Saramaake, Halmahera Timur, Indonesia. <i>JPPM (Jurnal Pendidikan dan Pemberdayaan Masyarakat)</i>, 5 (2):179-190.</p> <p>Hubungan Antara Degradasi Mangrove Segara Anakan dan Penurunan Hasil Tangkapan Kepiting Bakau (<i>Scylla sp.</i>) di Kabupaten Cilacap, Provinsi Jawa Tengah (Correlation Between Mangrove Degradation in Segara Anakan and Production of Crab (<i>Scylla sp.</i>) in Cilacap Regency, Central Java Province), <i>Jurnal Ilmu Pertanian Indonesia (JIPI)</i>, Juli 2019</p> <p>Kesesuaian dan daya dukung ekowisata berbasis ekologi mangrove di Teluk Pangpang, Banyuwangi, <i>Journal of Fisheries and Marine Research Vol.3 No.2 (2019)</i> 194-205</p> <p>Resiliensi nelayan terhadap ketersediaan sumberdaya perikanan di Kepulauan Karimunjawa (Fishers' Resilience to the Availability of Fishery Resources in Karimunjawa Island, <i>jpsl.9.2.527-540</i></p> <p>Study on the coconut crab (<i>Birgus latro</i>) in-situ rearing in Derawan Islands, Indonesia: feeding artificial food (part 1), <i>AACL Bioflux</i> 15(2):1919-1928</p> <p>Coral reefs status and fish species in coastal waters of Spelman Straits, Southeast Sulawesi, Indonesia, <i>AACL Bioflux</i> 12(5):2020-2029</p> <p>Distribusi Ukuran, Pola Pertumbuhan, dan Faktor Kondisi Ikan Endemik Opudi (<i>Telmatherina prognatha</i>) di Danau Matano, Sulawesi Selatan, <i>Jurnal Ilmu Pertanian Indonesia</i> 24(4):295-303</p> <p>Culture-Based Fisheries in Rawa lebak lebung, South Sumatera, is it Applicable? Culture-Based Fisheries in Rawa lebak lebung, South Sumatera, is it Applicable?, <i>IOP Conference Series Earth and Environmental Science</i> 399</p> <p>Diversity of coral reef fish in the coastal water of Spelman Straits, Southeast Sulawesi, <i>IOP Conference Series Earth and Environmental Science</i> 420:012021</p> <p>Evaluation of mud crab utilization in the small outermost island: A case study of Enggano Island, Bengkulu Province, Indonesia, <i>IOP Conference Series Earth and Environmental Science</i> 420:012008</p> <p>Food habits of endemic opudi fish (<i>Telmatherina prognatha</i>, Kottelat 1991) in Matano Lake, South Sulawesi, Indonesia, <i>Biodiversitas Journal of Biological Diversity</i> 21(4):1373-1378</p> <p>Management of the Seagrass Ecosystem for Sustainability of Sea Horse Population in Sebong Pereh Village, Bintan District, <i>Jurnal Ilmu Pertanian Indonesia</i> 25(3):407-413</p> <p>Reproduction of coconut crabs (<i>Birgus latro</i>) in Daeo District, Morotai Island, North Maluku, Indonesia, <i>AACL Bioflux</i> 13(4):2002-2013</p> <p>An overview of reef fish catching seasonal patterns in the coastal waters of Spelman Strait, in Central, <i>AACL Bioflux</i> 13(4):2218-2227</p> <p>Community's perspective on mangrove ecosystem management in Karawang Regency, West Java, Indonesia <i>LPPM IPB Bogor</i></p> <p>The Evaluation of Reef Fisheries Management In The Spelman Strait Coastal Waters of Central Buton Regency, Indonesia. <i>Plant Archives</i>, 20(2): 5169-5176.</p>
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	<p>Reproductive aspects of greenback mullet <i>Planiliza subviridis</i> (Valenciennes, 1836) in Cengkok coastal waters, Banten Bay Indonesia. IOP Conference Series Earth and Environmental Science 800(1):012014</p> <p>Vulnerability analysis for demersal fisheries in the Banten Region (A case study of Karangantu Port). IOP Conference Series Earth and Environmental Science 800(1):012006</p> <p>The potential development of ecotourism based on mangrove ecosystem in Ujung Pangkah of Gresik Regency, East Java Province, Indonesia. IOP Conference Series Earth and Environmental Science 800(1):012054</p> <p>Mangrove ecosystem related to fisheries productivity in the coastal area of Karawang Regency, West Java, Indonesia. IOP Conference Series Earth and Environmental Science 800(1):012016</p> <p>Bioaccumulation of lead (Pb) and mercury (Hg) in green mussel <i>Perna viridis</i> (Linnaeus, 1758) in Cengkok Coastal Waters, Banten Bay, Indonesia. IOP Conference Series Earth and Environmental Science 800(1):012015</p> <p>Study on phytoplankton diversity of Batang Toru River and its surrounding, North Sumatra, Indonesia. IOP Conference Series Earth and Environmental Science 800(1):012012</p> <p>Infection Patterns of Helminth Parasites in Mackerel Tuna (<i>Euthynnus affinis</i> Cantor, 1849) from Banten Waters, Indonesia. ILMU KELAUTAN Indonesian Journal of Marine Sciences 26(2):117-124</p> <p>Sound character of the coconut crab (<i>Birgus latro</i>) of Bacan. Sound character of the coconut crab (<i>Birgus latro</i>) of Bacan. IOP Conference Series: Earth and Environmental Science. 800(1):012012</p> <p>Heavy metals (Pb, Hg) in blood cockle (<i>Anadara granosa</i>) in Cengkok Waters, Banten Bay, Indonesia. IOP Conference Series Earth and Environmental Science 744(1) 012012</p> <p>Diversity, density, and Importance Value Index of mangroves in the Segara Anakan lagoon and its surrounding area, Cilacap Regency, Indonesia. IOP Conference Series Earth and Environmental Science 744(1) 012012</p> <p>Resources dynamics impact to fishers' resilience. IOP Conference Series: Earth and Environmental Science. 744(1) 012012</p> <p>Application of radiotelemetry in tracking the movement of mahseer fish (<i>Tor spp.</i>) in Batang Toru River, North Sumatra Province Indonesia. IOP Conference Series: Earth and Environmental Science. 744(1) 012012</p> <p>Biodiversity and community of phytoplankton in the mahseer conservation area at Bungo and Kerinci Regencies, Jambi Province, Indonesia. IOP Conference Series: Earth and Environmental Science. 744(1) 012012</p> <p>Estuarine fish community structure in Banten Bay Indonesia. IOP Conference Series: Earth and Environmental Science. 744(1) 012012</p> <p>Zooplankton community structure in Cengkok Coastal Water and it's around, Teluk Banten. IOP Conference Series: Earth and Environmental Science. 744(1) 012012</p> <p>Productivity and susceptibility analysis of Indo-Pacific king mackerel in IFMA 711 Waters. IOP Conference Series: Earth and Environmental Science. 744(1) 012012</p>
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	<p>Study on macrozoobenthos diversity in Batang Toru River and its surrounding, North Sumatra, Indonesia. IOP Conference Series: Earth and Environmental Science. 744(1) 012012</p> <p>Study on zooplankton diversity aquatic ecobiology of Batang Toru River, North Sumatra, Indonesia. IOP Conference Series: Earth and Environmental Science. 744(1) 012012</p> <p>Water quality, plankton community, and pollution index in the spawning habitat of longtail shad (<i>Tenualosa macrura</i>) in the waters of Bengkalis, Meranti Island and Siak Regencies, Riau Province. . IOP Conference Series: Earth and Environmental Science. 744(1) 012012</p> <p>How to make the ally of inland fisheries and inland aquaculture: A review. IOP Conference Series: Earth and Environmental Science. 744(1) 012012</p> <p>Distribution of dissolved heavy metals Hg, Pb, Cd, and As in Bojonegara Coastal Waters, Banten Bay. IOP Conference Series: Earth and Environmental Science. 744(1) 012012</p> <p>Heavy metal (Pb, Hg, Cu) contamination level in sediment and water in Segara Anakan Lagoon, Cilacap, Indonesia. IOP Conference Series: Earth and Environmental Science. 744(1) 012012</p> <p>Growth pattern, condition factor and reproductive aspects of three spot gourami <i>Trichopodus trichopterus</i> (Pallas, 1770) in mangrove waters of Muara Angke Jakarta and Ciperet Cilacap, Indonesia. IOP Conference Series: Earth and Environmental Science. 744(1) 012012</p> <p>Distribusi <i>Scylla</i> spp. di perairan estuari Sungai Donan Segara Anakan Bagian Timur, Cilacap. <i>Habitus Aqua J</i>, 2(1):1–11</p>
<p>Activities in specialist bodies over the last 5 years</p>	

Name	Prof.Dr.Ir. Djamar Tumpal F. Lumban Batu, M.Agr		
Post	Division of Ecobiology and Conservation of Aquatic Resources		
Academic career	Doctoral Degree	Kyushu University, Fukuoka, Japan	1991
	Master Degree	Kyushu University, Fukuoka, Japan	1988
	Undergraduate degree	IPB University	1979
Employment	Teaching Staff of the Department of Resource Management	Faculty of Fisheries and Marine Science, IPB University	1980-Present
	Permanent Professor	Faculty of Fisheries and Marine Science, IPB University	2003-Present
	Member of the Faculty Senate	Faculty of Fisheries and Marine Science, IPB University	2003-Present
Research and development projects over the last 5 years	Effect of Drug-Metabolizing Enzyme Activity Induced By Polychlorinated Biphenyl on The Duration of Oxytetracycline In Carp	Kementrian Riset dan Teknologi RI, LIPI	2011-2016
	Oxidative Desulfuration of [¹⁴ C] Fenitrothion By Liver Microsomes of Some Species of Fishes	Kementrian Riset dan Teknologi RI, LIPI	2011-2016
	Studi Biotransformasi Pestisida Organofosfat Dalam Upaya Penurunan Toksisitasnya Bagi Sumberdaya Hayati Perairan dengan Teknologi Reduksi Biokimia	Kementrian Riset dan Teknologi RI, LIPI	2011-2016
	Pengaruh Pencemaran Merkuri di Sungai Chikaniki Terhadap Biota Trichoptera (insekta)	Dit.Jen Dikti	2011-2016
	Secondary production of The Net – Spinning Caddistfly, <i>Cheumato psyche</i> spp (<i>Trichoptera: Hydropsychidae</i>) In Mercuric Contaminated River	Dit.Jen Dikti	2011-2016
	Konsentrasi Merkuri Dan Hubungannya Dengan Indeks Kepadatan Keong Popaco (<i>Telescopium telescopium</i>) di Kao Teluk, Halmahera Utara	Dit.Jen Dikti	2011-2016

	Kondisi Biometrik Ikan Nila, <i>Oreochromis niloticus</i> (Linnaeus 1758) yang Terpapar Merkuri	Dit.Jen Dikti	2011-2016
	Kandungan Logam Berat Kromium (Cr) Dalam Air, Sedimen, dan Ikan Nila (<i>Oreochromis niloticus</i>) di Sungai Cimanuk Lama, Kabupaten Indramayu yang Tercemar Limbah Cair Industri	Dit.Jen Dikti	2011-2016
Industry collaborations over the last 5 years	Instruktur Bahasa Jepang, untuk Industri	PT. Fuji Staff Indonesia, PT. Honoris Industry, Mie Gakuen	2010-2013
	Penanganan Limbah Cair, Pengelolaan Kualitas Air	Dinas Perikanan di Jawa Barat	2013-2015
	Penanganan Tumpahan Minyak, Polychlorinated Biphenyl (PCB)	DKP, Dep. Perhubungan	2012-2015
	Aplikasi cara pembuatan obat yang baik (CPOB)	Industri Farmasi di Jabodetabek	2010-2015
Patents and proprietary rights	-		
Important publications over the last 5 years	<p>Ersan Noviansyah, Djamar TF Lumban Batu, Isdradjad Setyobudiandi; The Concentration of Cd Metals on Seawater, Sediment, and Green Mussel in Tambak Lorok Waters and Morosari Waters; Jurnal Ilmu Pertanian Indonesia (JIPI)/ LPPM IPB University; p-ISSN: 0853-4217 e-ISSN: 2443-3462; Vol. 26 No. 1; Hal. 128-135; Tahun Januari 2021.</p> <p>Findiani Dwi Astari, Djamar Tumpal Floranthus Lumban Batu, Isdradjad Setyobudiandi; Accumulation of Iron (Fe) in Green Mussel (<i>Perna viridis</i> Linnaeus 1758) in Tanjung Mas Waters, Semarang); Jurnal Ilmu Pertanian Indonesia (JIPI)/ LPPM IPB University; p-ISSN: 0853-4217 e-ISSN: 2443-3462 ; Vol. 26 No. 1; Hal. 120-127; Tahun Januari 2021</p> <p>Neri Kautsari, Etty Riani, Djamar T. F. Lumbanbatu, Sigid Hariyadi; Effect of temperature increase on gametes release of <i>Holothuria scabra</i>; AACL Bioflux; Bioflux Publishing House; ISSN. 1844-9166 (online) 1844-8143 (print); Vol. 13 No. 4; Hal. 2375-2387; Tahun. Agustus 2020</p> <p>Ayu Ramadhini hastuti, Djamar T.F. Lumbanbatu, Yusli Wardiatno; The presence of microplastics in the digestive tract of commercial fishes off Pantai Indah Kapuk coast, Jakarta, Indonesia; Biodiversitas; Department of Biology, FMNS, Universitas Sebelas Maret, Surakarta, Indonesia; ISSN. ISSN: 1412-033X E-ISSN: 2085-4722; Vol. 20 No. 5; Hal. 1233-1242; Tahun.Mei 2019</p> <p>Iyat Hamiyati, Djamar TF Lumban Batu, Yonvitner; Biological reproduction aspects of jaguar guapote (<i>Parachromis managuensis</i>) in Penjalin reservoir Brebes-Central Java, Indonesia; Journal of Biodiversity and Environmental Sciences (JBES);</p>		

	<p>INNSPUB; ISSN: 2220-6663 (Print) 2222-3045 (Online); Vol. 14 No. 4; Hal. 8-13; Tahun. April 2019</p> <p>Neri Kautsari, Etty Riani, Djamar TF Lumbanbatu, Sigid Hariyadi; Sandfish (<i>Holothuria scabra</i>) Fisheries in Saleh Bay: Stock Status Based on Fishermen's Perception and Catches Perikanan Teripang Pesisir (<i>Holothuria scabra</i>) Teluk Saleh: Status Stok berdasarkan Persepsi Nelayan dan Hasil Tangkapan; eISSN: 2528-0759 pISSN: 2085-5842; Jurnal Ilmiah Perikanan dan Kelautan; Universitas Airlangga; Vol. 11 No. 2; Hal. 59-71; Tahun. Nopember 2019</p> <p>Yeni Irawati, Djamar T.F Lumbanbatu, Sulistiono; Logam Berat Kerang Totok (<i>Geloina Erosa</i>) Di Timur Segara Anakan dan Barat Sungai Donan, Cilacap; Jurnal Pengolahan Hasil Perikanan Indonesia (JPHPI); Masyarakat Pengolahan Hasil Perikanan Indonesia (MPHPI); ISSN. 2303-2111 (Print), 2354-886x (online); Vol. 21 No. 2; Hal. 233-243; Agustus 2018.</p> <p>Abdul Hamid, Djamar TF Lumban Batu, Etty Riani, Yusli Wardiatno; Carapace width-weight relationships and condition factor of blue swimming crab, <i>Portunus pelagicus</i> Linnaeus, 1758 (Crustacea: Decapoda) in Lasongko Bay, Southeast Sulawesi, Indonesia; Advances in Environmental Biology; American-Eurasian Network For Scientific Information (AENSI Publisher); ISSN;1955-0756/EISSN;1998-1066; Vol. 12 No. 11; Hal. 14-21; Nopember 20218</p> <p>Sulistiono, Yeni Irawati, Djamar T. F Lumban Batu; Kandungan Logam Berat Pada Ikan Beloso (<i>Glosogobius Giuris</i>) Di Perairan Segara Anakan Bagian Timur, Cilacap, Jawa Tengah, Indonesia; Jurnal Pengolahan Hasil Perikanan Indonesia (JPHPI); Masyarakat Pengolahan Hasil Perikanan Indonesia; ISSN. p.2303-2111/e. 2354-886x; Vol. 21 No. 3; Hal; 423-432; September 2018.</p> <p>Yudha Prastyo, Djamar T.F Lumban Batu, Sulistiono; Kandungan Logam Berat Cu dan CD Pada Ikan Belanak di Estuari Sungai Donan, Cilacap, Jawa Tengah; Jurnal Penelitian Perikanan Indonesia; Masyarakat Pengolahan Hasil Perikanan Indonesia; ISSN. 2303-2111; Vol. 20 No. 1; Hal. 18-27; April 2017</p> <p>Abdul Hamid, Yusli Wardiatno, Djamar T.F.Lumban Batu, Etty Riani; Pengelolaan Rajungan (<i>Portunus Pelagicus</i>) Yang Berkelanjutan Berdasarkan Aspek Bioekologi di Teluk Lasongko, Sulawesi Tenggara; Jurnal Kebijakan Perikanan Indonesia; Pusat Riset Perikanan Badan Riset dan Sumber daya Manusia Kelautan dan Perikanan; ISSN. 1979-6366/2502-6550; Vol. 9 No. 1; Hal. 41-50; Tahun. Mei 2017</p>																
Activities in specialist bodies over the last 5 years	<table border="1"> <thead> <tr> <th><i>Organisation</i></th> <th><i>Role</i></th> <th><i>Period</i></th> </tr> </thead> <tbody> <tr> <td>Japanese Society of Fisheries Sciences</td> <td>Anggota</td> <td>1991-present</td> </tr> <tr> <td>Masyarakat Udang Indonesia</td> <td>Anggota</td> <td>1994-present</td> </tr> <tr> <td>Japanese Society of Radio Isotope</td> <td>Anggota</td> <td>1991-present</td> </tr> <tr> <td>Mitra Air Indonesia</td> <td>Anggota</td> <td>2006-present</td> </tr> </tbody> </table>	<i>Organisation</i>	<i>Role</i>	<i>Period</i>	Japanese Society of Fisheries Sciences	Anggota	1991-present	Masyarakat Udang Indonesia	Anggota	1994-present	Japanese Society of Radio Isotope	Anggota	1991-present	Mitra Air Indonesia	Anggota	2006-present	
<i>Organisation</i>	<i>Role</i>	<i>Period</i>															
Japanese Society of Fisheries Sciences	Anggota	1991-present															
Masyarakat Udang Indonesia	Anggota	1994-present															
Japanese Society of Radio Isotope	Anggota	1991-present															
Mitra Air Indonesia	Anggota	2006-present															

Name	Prof. Dr. Ridwan Affandi		
Post	Division of Ecobiology and Conservation of Aquatic Resources		
Academic career	Doctor of Fish Physiology	Pierre et Marie Curie University – France	1986
	Diplome D’Etude approendic [DEA] of Marine	Pierre et Marie Curie University – France	1983
	Bachelor of Aquatic Biology at Faculty of Fishery Doctorate	Bogor Agricultural University	1979
Employment	Position : Lecturer at Department of Aquatic Resources Management	Employer : Faculty of Fisheries and Marine Science – IPB University	Period : 1980 – until now
Research and development projects over the last 5 years	Technology for fishing, aquaculture, breeding, conservation and processing eel to support a sustainable eel industry.		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	-		
Important publications over the last 5 years	<p>Harianto, E., Supriyono, E., Budiardi, T., Affandi, R., & Hadiroseyani, Y. (2021). The effect of water level in vertical aquaculture systems on production performance, biochemistry, hematology, and histology of <i>Anguilla bicolor bicolor</i>. <i>Scientific Reports</i>, 11(1), 1-13.</p> <p>Fitriah, N., Rahardjo, M. F., Affandi, R., Wildan, D. M., & Simanjuntak, C. P. H. (2021, July). Reproductive aspects of greenback mullet <i>Planiliza subviridis</i> (Valenciennes, 1836) in Cengkok coastal waters, Banten Bay Indonesia. In <i>IOP Conference Series: Earth and Environmental Science</i> (Vol. 800, No. 1, p. 012014). IOP Publishing.</p> <p>Affandi, R., (2020). Spur the development of eel culture in Indonesia, in syafei LS., Hasan, UDS., Raharjo, MF. (editor). Poso lake the ancient lake of the heart of Wallacea. <i>Scientific Reports Indonesian Ichthyology Comunity</i>, 61-79.</p> <p>Murtini, S. Ridwan., Nurhidayat. (2020). Development of digestive track of Indonesian shortfin eel, <i>Anguilla bicolor bicolor</i>. <i>Scientific Reports Rusian Journal of Argriculture and Socioeconomic Science</i>, 98(2): 16-26.</p> <p>Latuconsina., Ridwan., Kamal, MM., Butet, NA. (2020). On the assessment of white spotted rabbit fish (<i>Siganus canaliculatus park 1779</i>). <i>Scientific Reports ACL Bioflux</i>, 13(4), 1827-1835.</p> <p>Harianto, E., Supriyono, E., Budiardi, T., Affandi, R., & Hadiroseyani, Y. (2021). The effect of water level in vertical aquaculture systems on production performance,</p>		

	<p>biochemistry, hematology, and histology of <i>Anguilla bicolor bicolor</i>. <i>Scientific Reports</i>, 11(1), 1-13.</p> <p>Triyanto, T., Affandi, R., Kamal, M. M., & Haryani, G. S. (2019). The functions of coastal swamp as a habitat for the tropical eel <i>Anguilla</i> spp. in Cimandiri River Estuary, Sukabumi West Java. <i>Jurnal Ilmu dan Teknologi Kelautan Tropis</i>, 11(2), 475-492.</p> <p>HASTUTI, Y. P., RUSMANA, I., NIRMALA, K., AFFANDI, R., & TRIDESIANTI, S. (2019). Identification and characterization of nitrifying bacteria in mud crab (<i>Scylla serrata</i>) recirculation aquaculture system by 16S rRNA sequencing. <i>Biodiversitas Journal of Biological Diversity</i>, 20(5).</p> <p>Hakim, A. A., Kamal, M. M., Butet, N. A., & Affandi, R. (2020). Determination of fisheries refugia area for freshwater eels (<i>Anguilla</i> spp.) in Palabuhanratu bay, West Java, Indonesia. In <i>IOP Conference Series: Earth and Environmental Science</i> (Vol. 404, No. 1, p. 012014). IOP Publishing.</p> <p>Fekri, L., Affandi, R., Rahardjo, M. F., Budiardi, T., & Simanjuntak, C. P. (2019). Growth of stunted elver of the Indonesian shortfin eel <i>Anguilla bicolor</i> McClelland, 1844 rearing in semi-natural media. <i>Jurnal Iktiologi Indonesia</i>, 19(2), 243-257.</p> <p>Fekri, L., Affandi, R., Rahardjo, M. F., Budiardi, T., Simanjuntak, C. P. H., Fauzan, T., & Indrayani, I. (2018). The effect of temperature on the physiological condition and growth performance of freshwater eel elver <i>Anguilla bicolor bicolor</i> McClelland, 1844. <i>Jurnal Akuakultur Indonesia</i>, 17(2), 181-190.</p> <p>Murtini, S., Affandi, R., & Nurhidayat, N. (2019). Natural food of glass eel at the mouth of the Cimandiri river, Pelabuhan ratu. <i>Jurnal Agroqua: Media Informasi Agronomi dan Budidaya Perairan</i>, 17(1), 20-31.</p> <p>Taqwa, F. H., Supriyono, E., Budiardi, T., Setiawati, M., Utomo, B. P., & Affandi, R. (2018). The Osmotic Response and Hydromineral Status of Transported <i>Anguilla bicolor bicolor</i> Glass Eels with Various Ratios of Biomass and Water Volume. <i>Omni-Akuatika</i>, 14(2), 1-10.</p> <p>Sulistiono., Ridwan., Jusadi, D., Samson, S., & Serosero, R. (2019). Study on the coconut crab (<i>Birgus latro</i>) in-situ rearing in Derawan Islands, Indonesia: feeding artificial food (part 1). <i>Aquaculture, Aquarium, Conservation & Legislation</i>, 12(5), 1918-1928.</p>
<p>Activities in specialist bodies over the last 5 years</p>	<p>-</p>

Name	Prof. Dr. Ir. Etty Riani, MS		
Post	Division of Ecobiology and Conservation of Aquatic Resources		
Academic career	Doctoral Degree	IPB University	2000
	Master Degree	IPB University	1993
	Undergraduate degree	IPB University	1985
Employment			
Research and development projects over the last 5 years	-		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	-		
Important publications over the last 3 years	<ol style="list-style-type: none"> Hermanto DT, Sulistiono, Riani E. 2019. Studi Beberapa Aspek Reproduksi Rajungan (<i>Portunus pelagicus</i>) di Perairan Mayangan, Kabupaten Subang, Jawa Barat. <i>Biospecies</i>. 12(1):1-10. Tampang BL, Riani E. 2020. Effectiveness of hospital wastewater management on water quality, socio-economic condition and social perception: a case study in RSUP Prof. Dr. R. D. Kandou, Manado, Indonesia. <i>Poll Res</i>. 39(3):553-561. Riani E, Cordova MR. 2022. Microplastic ingestion by the sandfish <i>Holothuria scabra</i> in Lampung and Sumbawa, Indonesia. <i>Marine Pollution Bulletin</i>. Volume 175. 		
Activities in specialist bodies over the last 3 years	<i>Organisation</i>	<i>Role</i>	<i>Period</i>
	Komisi Akademik Program Studi Biologi Reproduksi Sekolah Pascasarjana IPB	Anggota	2002 – present
	Forum Pelanggan PDAM Kota Bogor	Sekretaris	2011- present
	Bidang Penelitian dan Pengembangan Forum Pelanggan PDAM Nasional	Ketua	2012- present
	Koordinator CSR (keanekaragaman dan budidaya laut) pada PT DSLNG	Koordinator	2012-2014

Name	Prof. Dr. Ir. Ario Damar, M.Si.		
Post	Division of Ecobiology and Conservation of Aquatic Resources		
Academic career	Initial academic appointment	Institution	Year
	Professor	IPB	2021
	Doctorate (subject)	Biological Oceanography	2003
	Undergraduate degree (Aquatic Resources Management)	Department of MSP, FPIK IPB	1989
Employment	Professor	Dept. MSP FPIK IPB	1991-now
	Head of Center for Coastal and Marine Resources Studies IPB	Center for Coastal and Marine Resources Studies IPB	2016-2021
Research and development projects over the last 5 years	<ol style="list-style-type: none"> 1. Nutrients and Phytoplankton Dynamics in Banten Bay, Indonesia; 2020-2022; Funding : Center for Coastal and Marine Resources Studies, IPB; IDR 87,000,000 2. Eutrophication states of Jakarta Bay, Indonesia (year-3); 2019; Funding : Higher Education Directorate General – Ministry of Education and Research and Technology of the Republic of Indonesia; IDR 110,000,000,- 3. Eutrophication states of Jakarta Bay, Indonesia (year-2); 2018; Funding : Higher Education Directorate General – Ministry of Education and Research and Technology of the Republic of Indonesia; IDR 120,000,000,- 4. Eutrophication states of Jakarta Bay, Indonesia (year-1); 2017; Funding : Higher Education Directorate General – Ministry of Education and Research and Technology of the Republic of Indonesia; IDR 140,000,000,- 5. Eutrophication status of Bengawan Solo Estuary, East Java; 2014-2017; PKSPL IPB; IDR 150,000,000 		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	-		
Important publications over the last 5 years	-		
Activities in specialist bodies over the last 5 years	-		

Name	Dr. Ir. Fredinan Yulianda, M.Sc.		
Post	Division of Ecobiology and Conservation of Aquatic Resources		
Academic career	<i>Initial academic appointment</i>	<i>Institution</i>	<i>Year</i>
	Dr.	IPB University	2003
	M.Sc.	Aarhus University, Denmark	1992
	Ir. (B.Sc.)	IPB University	1987
Employment	<i>Position</i>	<i>Employer</i>	<i>Period</i>
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	-		
Important publications over the last 5 years	<ol style="list-style-type: none"> 1. Biological Conservation of Molluscs Based on Spatial and Temporal Distribution in Tropical Tidal Lake, Medan-Indonesia. Hayati, Journal of Biosciences, 2020 Volume 27 No. 24: 273-282. 2. Hydrodynamics of tropical tidal lake waters, Lake Siombak, Medan, Indonesia. AACL Bioflux, 2020, Volume 13, Issue 4: 2015-2031. 3. Spatial distribution of mangroves in tidal lake ecosystem. IOP Conf. Series: Earth and Environmental Science 454 (2020) 012131doi:10.1088/1755-1315/454/1/012131 4. Socio-ecological system of carbon-based mangrove ecosystem on the coast of West Muna Regency, Southeast Sulawesi-Indonesia. AACL Bioflux, 2020, Volume 13, Issue 2.: 518-528 http://www.bioflux.com.ro/aac 5. Mangrove ecosystem for sustainable tourism in Dampier Strait Marine Protected Area Raja Ampat IOP Conf. Series: Earth and Environmental Science 404 (2020) 012086 IOP Publishing doi:10.1088/1755-1315/404/1/012086 6. Marine Ecotourism Demand (Snorkeling and Diving) and Coral Reefs Resources Valuation in Karimunjawa National Park. Jurnal Ilmu Pertanian Indonesia (JIPI), Januari 2020 Vol. 25 (1): 26–34 7. Study of giant clam resources for potential marine tourism in Morella Waters, Central Maluku. IOP Conf. Series: Earth and Environmental Science 420 (2020) 012023 8. Coastal rehabilitation through the implementation of government policy: Case study in Karawang Regency, West Java, Indonesia. Jurnal Perspektif Pembiayaan dan Pembangunan Daerah Vol. 7 No. 4, January – February 2020. 9. Economic valuation of coral reef ecosystem for marine tourism in Karimunjawa National Park. IOP Conf. Series: Earth and Environmental Science 241 (2019) 012025 10. Structure and composition of riverine and fringe mangroves at Muara Kubu protected areas, West Kalimantan, Indonesia. AACL Bioflux, 2019, Volume 12, Issue 1: (378-393) http://www.bioflux.com.ro/aac. 11. Status of coral reefs conservation using coral morphological classification in Wakatobi National Park. IOP Conf. Series: Earth and Environmental Science 241 (2019) 012035 12. Governability of marine protected areas: The effect of tradeoffs, hybrid patterns, and policy implications in Cenderawasih Bay National Park, 		

	<p>Indonesia. IOP Conf. Series: Earth and Environmental Science 278 (2019) 012011</p> <p>13. PES (Payment For Environment Services) Contribution for Sustainability of Scuba Diving Tourism in Gili Matra Conservation Area. J. Kebijakan Sosek KP Vol. 9 No. 2 Desember 2019: 117-128</p> <p>14. Carrying capacity of Peucang Island for ecotourism management in Ujung Kulon National Park. IOP Conf. Series: Earth and Environmental Science 149 (2018) 012018</p> <p>15. The Adaptive Capacity of Corals Based on the Health Level to Estimate the Carrying Capacity of the Marine Ecotourism in Enggano Island. Omni-Akuatika, 14 (1): 19–27, 2018</p> <p>16. Land suitability and carrying capacity analysis of the mangrove ecotourism at Muara Kubu Mangrove Areas, West Kalimantan. Journal of Natural Resources and Environmental Management 9(2): 483-497.</p> <p>17. Review management policy marine conservation area of Wakatobi National Park. IOP Conf. Series: Earth and Environmental Science 176 (2018) 012035</p> <p>18. Analysis of Successful Strategy to Develop Sustainable Marine Ecotourism in Gili Bawean Island, Gresik, East Java. IOP Conf. Series: Earth and Environmental Science 89 (2017) 012036</p> <p>19. Coastal Typological Characteristics Study for Recreational Tourism Development in Marine Nature Strait Pantar Alor Regency. ALBACORE ISSN 2549-1326 Volume I, No 2, Juni 2017 p. 199-209</p>
<p>Activities in specialist bodies over the last 5 years</p>	<p>-</p>

Name	Dr. rer. nat. Ir. Mohammad Mukhlis Kamal, M.Sc.		
Post	Division of Ecobiology and Conservation of Aquatic Resources		
Academic career	Initial academic appointment	Institution	Year
	Lecturer	IPB	1994
	Doctorate (subject)	Fish larval biology and recruitment	2004
	Undergraduate degree (Aquatic Resources Management)	Department of MSP, FPIK IPB	1991
Employment	Lecturer	Dept. MSP FPIK IPB	1994-now
	Head of Magister Program for Aquatic Science and Management	Department of Aquatic Resources Management, FPIK IPB	2017-now
Research and development projects over the last 5 years	<ol style="list-style-type: none"> 1. Inland waters fisheries and master plan for freshwater eel fisheries management in Sukabumi Regency, 2022 – 2023; Funding: iFish-FAO: IDR 187,220,000,- 2. Innovation development in freshwater eel conservation and policy management in Southern Java Sea, 2020-2022; Funding: The Indonesian Endowment Funds for Education, IPB; IDR 425,000,000,- 3. Fisheries Improvement Projects for Belawan Squid, Medan Municipality, 2021 – 2022; Funding: MSC-OSF; IDR 950,000,000,- 4. Habitat quality and larval abundance of glass eel in several rivers in Palabuhanratu Bay, Sukabumi, 2020 – 2021; Funding: LIPI; IDR 150,000,000,- 5. Assessment on several fish resources (Belawan squid, anchovy, mackerel tuna, and mackerel) towards fishery improvement projects, 2019 – 2021; Funding: MSC: IDR 600,000,000,- 6. Ecosystem Approach to Fisheries Management for Demersal and Blue Swimming Crab in FMA 712, 2020 – 2021; Funding: FAO; IDR 350,000,000,- 7. Ecosystem Approach to Fishery Management for Lake Laut Tawar, Central Aceh, 2018 – 2019; Funding: Central Aceh Regency; IDR 250,000,000,- 		
Industry collaborations over the last 5 years	Fishery Improvement Projects for Indonesian Demersal Association (<i>Asosiasi Demersal Indonesia</i>): 2020 - present		
Patents and proprietary rights	<i>Title</i>	<i>Year</i>	
	NA		
Important publications over the last 5 years	Papers Amany C, MM Kamal , F Kurniawan, V Sabila. 2022. Seagrass, dugong, and people: Lessons learned from community-based		

	<p>conservation in Tolitoli Regency, Sulawesi Tengah, Indonesia. IOP Conf. Series: Earth and Environmental Science 967.</p> <p>Gelis ER, MM Kamal, B Subhan, I Bachtiar, LMI Sani, H Madduppa. 2021. Environmental biomonitoring of reef fish community structure with eDNA metabarcoding in the Coral Triangle. <i>Environ Biol Fish</i> 104:887–903.</p> <p>Hakim AA, MM Kamal, Nurlisa A Butet, Ridwan Affandi. 2019^a. Determination of fisheries refugia area for freshwater eels (<i>Anguilla</i> spp.) in Palabuhanratu bay, West Java, Indonesia. IOP Conf. Series: Earth and Environmental Science 404 (2020) 012014.</p> <p>Hidayat T, M Boer, MM Kamal, Zairion, A Suman, S Mardijah. 2021. Population dynamics of longtail tuna (<i>Thunnus tonggol</i>) in the Java Sea and Adjacent Waters. <i>AACL Bioflux</i>, 2020, Volume 13 (3): 1428-1436.</p> <p>Jabbar MA, MM Kamal, M Boer, A Suman, IN Suyasa & E Nurdin. 2017. Population dynamics of the red bigeye (<i>Priacanthus macracanthus</i> Cuvier, 1829) (Fish: Family Priacanthidae) in Palabuhanratu Bay, Indonesia. <i>AACL Bioflux</i> 10(5):1198-1209.</p> <p>Kamal MM, Husnah, S Koeshendrajana, SH Nasution, N Kurniasari, I Hasri & R Iriadi. 2021. Ecosystem approach applicability to sustain endemic fishes in Lake Laut Tawar, Aceh. IOP Conf. Series: Earth and Environmental Science 674 (2021) 012006.</p> <p>Kamal MM, D Ardania & MT Hartanto. 2020. Abundance and composition of potential food items of whale shark (<i>Rhincodon typus</i> Smith, 1828) in Probolinggo waters, East Java Province. <i>Eco. Env. & Cons.</i> 26 (June Suppl. Issue), pp: 537-541.</p> <p>Kamal MM, Y Ernawati, NN Dewi. 2020. Length at first maturity, spawning time, and reproductive output in the females of Hamilton anchovy (<i>Thryssa hamiltonii</i> Gray, 1835). <i>Jurnal Biologi Tropis</i>, Vol. 20(1): 1-6.</p> <p>Kamal MM, AA Hakim, NA Butet, Y Fitrianiingsih, R Astuti. 2019. Autentikasi species ikan kerapu berdasarkan marka gen MT-CO1 dari perairan Peukan Bada, Aceh. <i>Jurnal Biologi Tropis</i>, Vol. 19(2): 116-123.</p> <p>Khalifa MA, MM Kamal, A Sunuddin, EM Adiwilaga. 2018. Ecological risks from zinc contamination to preys of the Irrawaddy dolphin (<i>Orcaella brevirostris</i>) in Banten Bay. IOP Conference Series Earth and Environmental Science 176(1):012023.</p> <p>Latuconsina H, R Affandi, MM Kamal & NA Butet. 2020. Distribusi spasial ikan baronang (<i>Siganus canaliculatus</i> Park, 1797) pada habitat padang lamun berbeda di Teluk Ambon Dalam. <i>Jurnal Ilmu dan Teknologi Kelautan Tropis</i>, Vol. 12(1): 89-106.</p> <p>Latuconsina H, R Affandi, MM Kamal & NA Butet. 2020. On the assessment of white-spotted rabbitfish (<i>Siganus canaliculatus</i> Park, 1797) stock in the Inner Ambon Bay, Indonesia. <i>AACL Bioflux</i>, 2020, Volume 13, Issue 4.</p> <p>Latuconsina H, MM Kamal, R Affandi, NA Butet. 2022. Growth and reproductive biology of white-spotted rabbitfish (<i>Siganus canaliculatus</i>) on different seagrass habitats in Inner Ambon Bay, Indonesia. <i>BIODIVERSITAS</i> Vol. 23 (1): 273-285.</p> <p>Prihatiningsih, MM Kamal, R Kurnia & A Suman. 2020. The spawning season, growth, and mortality of humpback red snapper (<i>Lutjanus gibbus</i> (Forsskal, 1775)) in the Southern Banten waters, Indonesia. <i>AACL Bioflux</i>, Vol. 13(2): 1079-1089.</p> <p>Rehatta BM, MM Kamal & M Boer, A Fahrudin & Zairion. 2021. Strategi pengelolaan perikanan pelagis kecil dengan pendekatan ekosistem di Kabupaten Belu, Nusa Tenggara Timur. <i>Journal of Natural Resources and Environmental Management</i> 10(3): 446-460.</p>
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	<p>Rumagia F, M Boer, R Kurnia & MM Kamal. 2020. Sustainability windows approach for fisheries management at the coastal area of Ternate Island, North Maluku Province. <i>Indonesian Journal of Urban and Environmental Technology</i>, Vol. 3(2): 136-148 p.</p> <p>Rumagia F, M Boer, R Kurnia & MM Kamal. 2019. The dynamics of target fishery resources in coral reef fisheries at coastal area of Ternate Island. <i>DEPIK Jurnal Ilmu-ilmu Perairan, Pesisir dan Perikanan</i>, Vol. 8(2): 146-157.</p> <p>Sagala LSS, MM Kamal & Zairion. 2020. Analisis kelimpahan dan distribusi larva ikan di perairan pesisir Lampung Timur. <i>Journal of Fisheries and Marine Research</i>, Vol. 4(1): 16-26.</p> <p>Triyanto, R Affandi, MM Kamal, SG Haryani, I Ridwansyah, M Yulianti, FS Lestari & E Nafisyah. 2020. Penilaian kondisi kualitas air habitat ikan sidat (<i>Anguilla</i> spp.) di rawa pesisir Sungai Cimandiri, Sukabumi, Jawa Barat. 2020. <i>Prosiding Pertemuan Ilmiah Tahunan ke-IV MLI 2019</i>.</p> <p>Triyanto, R Affandi, MM Kamal & SG Haryani. 2020. Population dynamic and exploitation rate of glass eels (<i>Anguilla</i> spp.) in Cimandiri River estuary, West Java, Indonesia. <i>AACL Bioflux</i> 13(2): 529-538.</p> <p>Triyanto, R Affandi, MM Kamal, SG Haryani. 2019. Fungsi rawa pesisir sebagai habitat sidat tropis di estuari sungai Cimandiri, Sukabumi, Jawa Barat. <i>Jurnal Ilmu dan Teknologi Kelautan Tropis</i>. Vol. 11(2): 475-492 p.</p> <p>Wahyudin I, MM Kamal, A Fahrudin, M Boer. 2019. Analisis keberlanjutan perikanan Elasmobranch di Tanjung Luar, Kabupaten Lombok Timur. <i>Jurnal Ilmu dan Teknologi Kelautan Tropis</i>, Vol. 11(1): 103-116.</p> <p>Wahyudin I, MM Kamal, A Fahrudin, M Boer. 2019. Length-weight relationship and reproductive size of silky shark <i>Carcharhinus falciformis</i> and scalloped hammerhead shark <i>Sphyrna lewini</i> collected in Tanjung Luar fish landing port, East Lombok, Indonesia. <i>AACL Bioflux</i>, Vol. 12(1): 355362.</p>									
Activities in specialist bodies over the last 5 years	<table border="0"> <tr> <td><i>Ecosystem Approach to Fisheries Management</i></td> <td><i>National Trainer</i></td> <td><i>2013- present</i></td> </tr> <tr> <td></td> <td><i>Regional Trainer</i></td> <td><i>2015 – present</i></td> </tr> <tr> <td></td> <td><i>International Trainer</i></td> <td><i>2019 – present</i></td> </tr> </table>	<i>Ecosystem Approach to Fisheries Management</i>	<i>National Trainer</i>	<i>2013- present</i>		<i>Regional Trainer</i>	<i>2015 – present</i>		<i>International Trainer</i>	<i>2019 – present</i>
<i>Ecosystem Approach to Fisheries Management</i>	<i>National Trainer</i>	<i>2013- present</i>								
	<i>Regional Trainer</i>	<i>2015 – present</i>								
	<i>International Trainer</i>	<i>2019 – present</i>								

Name	Ir. Agustinus M. Samosir, M.Phil		
Post	Division of Ecobiology and Conservation of Aquatic Resources		
Academic career	Initial academic appointment	IPB Univ.	1987
	Habilitation [German post-doctoral qualification] (subject)	Institution	Year
	Doctorate (subject)	UQ	1994-1999
	Undergraduate degree (subject)	IPB	1980-1985
Employment	Position	Employer	Period
Research and development projects over the last 5 years	*Cimanuk Mangrove Conservation Design	IPB	2017
	Amount of financing Rp.100 jt		
	*Pari Island Ecosystem Resilience (100 jt)	IPB	2019
	*EDC (Pthalate) & Sex Change of Fish (100 jt)	IPB	2018
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	-		
Important publications over the last 5 years	<p>SW Ambo, AM Samosir. 2022. Applying risk assessment approach to evaluate small island status in Kepulauan Seribu. IOP Conference Series: Earth and Environmental Science 967 (1), 012010</p> <p>T Melinda, AM Samosir, CPH Simanjuntak. 2021. Bioaccumulation of lead (Pb) and mercury (Hg) in green mussel <i>Perna viridis</i> (Linnaeus, 1758) in Cengkok Coastal Waters, Banten Bay, Indonesia. IOP Conference Series: Earth and Environmental Science 800 (1), 012015</p> <p>E Noviani, S Sulistiono, AM Samosir. 2020. Heavy Metal (Pb, Hg) Extent in Mud Crab (<i>Scylla serrata</i>) in Cengkok Coastal Waters, Banten Bay, Indonesia. <i>Omni-Akuatika</i> 16 (2), 108-115</p> <p>N Febrianessa, AM Samosir, M Yokota. 2020. Heavy Metal (Pb, Hg) Contained in Blue Swimming Crab (<i>Portunus pelagicus</i> Linnaeus, 1758) in Cengkok Coastal Waters, Banten Bay, Indonesia. <i>Indonesian Journal of Marine Sciences/Ilmu Kelautan</i> 25 (4)</p> <p>R Qurani, F Yulianda, AM Samosir. 2020. Spatial Distribution of Pacific Oyster (<i>Crassostrea gigas</i>) Population Related Environment Factor in Coastal Water of Pabean Ilir, Indramayu. <i>Jurnal Moluska Indonesia</i> 4 (1), 38-47</p> <p>VAP Nugroho, E Muntasib, AM Samosir. 2018. Hazard management in Parangtritis Beach tourism destination of Bantul District, special region of Yogyakarta. IOP Conference Series: Earth and Environmental Science 196 (1), 012022</p>		

Activities in specialist bodies over the last 5 years	-
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Name	Charles P. H. Simanjuntak, Ph.D
Post	Division of Ecobiology and Conservation of Aquatic Resources
Academic career	<p>Bachelor in Fisheries Sciences IPB University 2002</p> <p>Master of Science in Fisheries</p> <p>PhD in Marine Bio-recourses IPB University 2007</p> <p style="text-align: right;">Kochi University 2016</p>
Employment	Lecturer IPB University 2004-present
Research and development projects over the last 5 years	<p>Study on Marine Migratory Species in the southern part of Banyuwangi Regency, east Java, Indonesia (2022-present; 750 million IDR)</p> <p>Study on Amphidromous and Diadromous Fish Larvae in river estuaries of Palabuhan Ratu, West Java (IPB University Young Lecturer Grant; 2021-2022; 28 Million IDR)</p> <p>Study on pelagic fish larval diversity and abundance in Sulawesi Sea, Indonesia (in Collaboration with World Conservation Society and Ministry of Marine Affairs and Fisheries; 2020-2022; 500 Million IDR)</p> <p>Study on Coral Reef Fish Larval Dispersal in Misool Islands, Raja Ampat, Papua (in collaboration with Faculty of Fisheries and Marine Science, University of Papua; 2019-2021; 100 million IDR)</p> <p>Study on migratory fish species (anadromous and potadromous) in Batang Toru River, north Sumatra (2019-2020; 800 million IDR)</p> <p>Biodiversity of deep-sea fishes larval and juvenile in Kepulauan Sangihe and Talaud, North Sulawesi (in Collaboration with Research Center for Oceanography-Indonesian Institute of Sciences; 2018-2020; 1 billion IDR)</p> <p>Ecology and biology of the endemic fishes in Maros and Wallanae Cendrana River System, south Sulawesi (in collaboration with University of west Sulawesi; 2018-2021; 250 million IDR)</p> <p>Ecology and Biology of Fish larval and juveniles in seagrass beds of Kepulauan Seribu, Jakarta (2017-2021; 160 million IDR)</p> <p>Ichthyofauna of Kumbe River, Merauke, Papua (in Collaboration with Faculty of Agriculture, University of Merauke, 50 Million IDR)</p> <p>Larval and juvenile fish assemblages in mangrove waters of Raja Ampat and Kaimana, west Papua (in Collaboration with Faculty of Fisheries and Marine Sciences, University of Papua and Conservation International; 2017; 60 Million IDR)</p>
Industry collaborations over the last 5 years	-
Patents and proprietary rights	-
Important publications over the last 5 years	Prabowo T, Simanjuntak C P H , Affandi R, Baihaqi F, Annida SB, Ervinia A, Budiman MS. 2022. Temporal variation in abundance of bully sleepers (Pisces: Eleotridae) larvae and juveniles in Cisolok Estuary, Palabuhanratu Bay, Indonesia. The 5 th EMBRIO International Symposium. <i>IOP Conf. Series: Earth and Environmental Science</i> (in press).

- Baihaqi F, **Simanjuntak CPH**, Sulistiono, Prabowo T, Annida SB, Ervinia A, Budiman MS. 2022. Distribution, abundance, and species composition of fish larvae and juveniles of Gobiidae in the Cimaja estuary, Palabuhanratu, Indonesia. The 5th EMBRIO International Symposium. *IOP Conf. Series: Earth and Environmental Science* (in press)
- Putri AK, Nazal MF, **Simanjuntak CPH**. 2022. Diet and feeding strategy of the common silver-biddy, *Gerres oyena* (Forsskål 1775) in the seagrass beds of Karang Congkak Island, Kepulauan Seribu National Park. The 4th INCOFIMS Faculty of Fisheries and Marine Universitas Airlangga. *IOP Conf. Series: Earth and Environmental Science* (in press)
- Simanjuntak CPH**, Zahid, Pratiwi P, and Cahyani A G. 2022. Trophic ecology and length-weight relationship of *Hypoatherina temminckii* (Bleeker, 1854) in the seagrass ecosystem of Semak Daun Island, Kepulauan Seribu. The 4th INCOFIMS Faculty of Fisheries and Marine Universitas Airlangga. *IOP Conf. Series: Earth and Environmental Science* (in press)
- Annida SB, Zulkarnain, Wahju RI, **Simanjuntak CPH**, Purbayanto A. 2022. Post-capture survival level on the glass eel fisheries in Cikaso River estuary, Sukabumi. *Jurnal Akuatika Indonesia*, 7 (1), March 2022 (in press)
- Suhaemi, Bengen DG, **Simanjuntak CPH**, Koropitan AF. 2022. Characteristics and circulation of archipelagic waters with the three-dimensional hydrodynamic model approach. *Global Journal of Environmental Science and Management*, <https://dx.doi.org/10.22034/GJESM.2022.04.04> (in press)
- Simanjuntak CPH**, Baihaqi F, Prabowo T, Annida SB, Sulistiono, Ervinia A. 2021. Recruitment patterns of freshwater amphidromous fishes (Pisces: Gobiidae, Eleotridae) to the Cimaja estuary, Palabuhanratu Bay. *Jurnal Iktiologi Indonesia*, 21 (3): 321-337. <https://doi.org/10.32491/jii.v21i3.595>
- Nur M, Fajriani, Tenriware, **Simanjuntak CPH**, Nasyrah AFA, Kautsari N and Wahana S. 2021. Fish fauna of the Batetangnga River, West Sulawesi, Indonesia. *E3S Web of Conferences*, 322: 01026. <https://doi.org/10.1051/e3sconf/202132201026>
- Nasyrah AFA, Rahardjo MF, **Simanjuntak CPH** and Nur M. 2021. The length-weight relationships and condition factor of an endemic *Marosatherina ladigesii* Ahl, 1936 in Walanae Cenranae River Watershed, South Sulawesi, Indonesia. *E3S Web of Conferences*, 322: 01002. <https://doi.org/10.1051/e3sconf/202132201002>
- Annida SB, Zulkarnain, Wahju RI, **Simanjuntak CPH**, Baihaqi F, Prabowo T, Budiman MS. 2021. Fish catches diversity of the glass eel fishery in Cikaso and Cimandiri estuaries, Sukabumi, Indonesia. *E3S Web of Conferences*, 322: 03007. <https://doi.org/10.1051/e3sconf/202132203007>
- Abdillah D, **Simanjuntak CPH**, Rahardjo MF, Djumanto Djumanto, Kautsari N, Saputra A. 2021. Diversity pattern and juvenile fish assemblage in the nearshore habitats of the Sumbawa Island, Indonesia. *E3S Web of Conferences*, 322: 01006. <https://doi.org/10.1051/e3sconf/202132201006>
- Manangkalangi E, Rahardjo MF, Hadiaty RK, Hariyadi S, **Simanjuntak CPH**. 2021. *Melanotaenia arfakensis*: Ikan Endemik Papua. IPB Press.
- Manangkalangi E., Lapadi I, Lefaan PT, Rahardjo MF, Hadiaty RK, Hariyadi S, **Simanjuntak CPH**. 2021. Aktivitas Pemijahan, Perkembangan Awal, dan Pertumbuhan Larva Ikan Pelangi Arfak dalam Kondisi Laboratorium: Studi Pendahuluan untuk Penangkarannya. *Jurnal Sumberdaya Akuatik Indopasifik*, 5 (3): 331-350
- Melinda T, Samosir AM, Sulistiono, **Simanjuntak CPH**. 2021. Bioaccumulation of lead (Pb) and mercury (Hg) in green mussel *Perna viridis* (Linnaeus, 1758) in

Cengkok Coastal Waters, Banten Bay, Indonesia. IOP Conf. Series: Earth and Environmental Science 800, 012015 <https://doi:10.1088/1755-1315/800/1/012015>

Fitriah N, Rahardjo MF, Affandi R, Sulistiono, Wildan MD, **Simanjuntak CPH**. 2021. Reproductive aspects of greenback mullet *Planiliza subviridis* (Valenciennes, 1836) in Cengkok coastal waters, Banten Bay Indonesia. IOP Conf. Series: Earth and Environmental Science 800, 012014 <https://doi:10.1088/1755-1315/800/1/012014>

Asriansyah A, Wildan DM, Pratiwi NTM, **Simanjuntak CPH**, Sulistiono, Hestirianoto T, Shafrudin D and Nugroho T. 2021. Study on phytoplankton diversity of Batang Toru River and its surrounding, North Sumatra, Indonesia. IOP Conf. Series: Earth and Environmental Science 800, 012012 <https://doi:10.1088/1755-1315/800/1/012012>

Nugraha YA, Sulistiono, Susanto HA, **Simanjuntak CPH** and Wildan DM. 2021. Mangrove ecosystem related to fisheries productivity in the coastal area of Karawang Regency, West Java, Indonesia. IOP Conf. Series: Earth and Environmental Science 800, 012016 <https://doi:10.1088/1755-1315/800/1/012016>

Ali M, Sulistiono, Imran Z and **Simanjuntak CPH**. 2021. The potential development of ecotourism based on mangrove ecosystem in Ujung Pangkah of Gresik Regency, East Java Province, Indonesia. IOP Conf. Series: Earth and Environmental Science 800, 012054 <https://doi:10.1088/1755-1315/800/1/012054>

Hestirianoto T, Sulistiono, Wildan DM, **Simanjuntak CPH**, Rahardjo MF, Syafruddin D, Nugroho T and Ismanto AJ. 2021. Application of radiotelemetry in tracking the movement of mahseer fish (*Tor spp.*) in Batang Toru River, North Sumatera Province Indonesia. IOP Conf. Series: Earth and Environmental Science 744, 012028 <https://doi.org:10.1088/1755-1315/744/1/012028>

Wildan DM, Sulistiono, **Simanjuntak CPH**, Rahardjo MF, Hestirianoto T, Shafrudin D, Nugroho T and Ismanto AJ. 2021. Study on macrozoobenthos diversity in Batang Toru River and its surrounding, North Sumatra, Indonesia. IOP Conf. Series: Earth and Environmental Science 744, 012101; <https://doi.org/10.1088/1755-1315/744/1/012101>

Shintia I, Hestirianoto T, Sulistiono, Wildan DM, **Simanjuntak CPH** and Islami D. 2021. Sound character of the coconut crab (*Birgus latro*) of Bacan Island. IOP Conf. Series: Earth and Environmental Science 744, 012076 <https://doi.org:10.1088/1755-1315/744/1/012076>

Asriansyah A, Wildan DM, Pratiwi NTM, **Simanjuntak CPH**, Sulistiono, Hestirianoto T, Shafrudin D and Nugroho T. 2021. Study on zooplankton diversity aquatic ecobiology of Batang Toru River, North Sumatera, Indonesia. IOP Conf. Series: Earth and Environmental Science 744, 012003 <https://doi.org:10.1088/1755-1315/744/1/012003>

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Simanjuntak CPH & Ekalaturrahmah YAC. 2021. Penangkapan tidak ramah lingkungan dan merusak. In: Rahardjo MF & Simanjuntak CPH (eds). Konservasi Sumber Daya Ikan. IPB Press. pp: 9-56.

Persitiwady T, Rahardjo MF, Simanjuntak CPH. 2021. Perikanan pelagis di Maluku: biodiversitas, pengelolaan, dan konservasi. In: Rahardjo MF & Tuapetel F (eds). Pengelolaan dan Konservasi Sumber Daya Ikan Pelagis Perairan Maluku: Lumbung Ikan Nasional. Masyarakat Iktiologi Indonesia. pp:151-166.

- Djumanto, Setyobudi E, **Simanjuntak CPH**, Rahardjo MF. 2020. Estimating the spawning and growth of striped snakehead *Channa striata* Bloch, 1793 in Lake Rawa Pening Indonesia. *Scientific Reports* 10:19830. <https://doi.org/10.1038/s41598-020-76825-5>.
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<p>Activities in specialist bodies over the last 5 years</p>	<table border="1"> <thead> <tr> <th data-bbox="496 792 794 831"><i>Organisation</i></th> <th data-bbox="794 792 1082 831"><i>Role</i></th> <th data-bbox="1082 792 1412 831"><i>Period</i></th> </tr> </thead> <tbody> <tr> <td data-bbox="496 887 794 925">Council of Asian Science Editors (CASE)</td> <td data-bbox="794 887 1082 925"></td> <td data-bbox="1082 887 1412 925">(2018-present)</td> </tr> <tr> <td data-bbox="496 936 794 974"><i>Society for Indonesian Biodiversity (SIB)</i></td> <td data-bbox="794 936 1082 974"></td> <td data-bbox="1082 936 1412 974">(2017-present)</td> </tr> <tr> <td data-bbox="496 985 794 1023">The Ichthyological Society of Japan (ISJ)</td> <td data-bbox="794 985 1082 1023"></td> <td data-bbox="1082 985 1412 1023">(2013-present)</td> </tr> <tr> <td data-bbox="496 1034 794 1072">Fish Larval Research Group of Japan</td> <td data-bbox="794 1034 1082 1072"></td> <td data-bbox="1082 1034 1412 1072">(2013- present)</td> </tr> <tr> <td data-bbox="496 1084 794 1122">The Indonesian Ichthyological Society (IIS)</td> <td data-bbox="794 1084 1082 1122"></td> <td data-bbox="1082 1084 1412 1122">(2000-present)</td> </tr> </tbody> </table>	<i>Organisation</i>	<i>Role</i>	<i>Period</i>	Council of Asian Science Editors (CASE)		(2018-present)	<i>Society for Indonesian Biodiversity (SIB)</i>		(2017-present)	The Ichthyological Society of Japan (ISJ)		(2013-present)	Fish Larval Research Group of Japan		(2013- present)	The Indonesian Ichthyological Society (IIS)		(2000-present)
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The Indonesian Ichthyological Society (IIS)		(2000-present)																	

Name	Dudi Muhammad Wildan, S.Pi, M.Si		
Post	Division of Ecobiology and Conservation of Aquatic Resources		
Academic career	Master Degree in Aquatic Resources Management	IPB University	2017
	Bachelor degree in Aquatic Resources Management	IPB University	2013
Employment	Lecture	IPB University	2019-present
Research and development projects over the last 5 years	-		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	-		
Important publications over the last 5 years	<p>N Fitriah, MF Rahardjo, R Affandi, DM Wildan, CPH Simanjuntak. Reproductive aspects of greenback mullet <i>Planiliza subviridis</i> (Valenciennes, 1836) in Cengkok coastal waters, Banten Bay Indonesia. IOP Conference Series: Earth and Environmental Science 800 (1), 012014</p> <p>YA Nugraha, HA Susanto, CPH Simanjuntak, DM Wildan. 2021. Mangrove ecosystem related to fisheries productivity in the coastal area of Karawang Regency, West Java, Indonesia. IOP Conference Series: Earth and Environmental Science 800 (1), 012016</p> <p>D Shafrudin, CPH Simanjuntak, MF Rahardjo, DM Wildan, T Hestiranoto. 2021. Development potential of native fish in Batang Toru Watershed, North Sumatra, Indonesia: discussion on the impact of dam development and aquaculture efforts. E3S Web of Conferences 322, 02003</p> <p>A Asriansyah, DM Wildan, NTM Pratiwi, CPH Simanjuntak, T Hestirianoto. 2021. Study on phytoplankton diversity of Batang Toru River and its surrounding, North Sumatra, Indonesia. IOP Conference Series: Earth and Environmental Science 800 (1), 012012</p> <p>DM Wildan, R Affandi, NTM Pratiwi. 2021. Ability of Mussel (<i>Pilsbryconcha Exilis</i>) to Reduce Organic Waste of Eel (<i>Anguilla</i> Sp.) Rearing Activity. <i>Musamus Fisheries and Marine Journal</i>, 1-14</p> <p>A Asriansyah, DM Wildan, NTM Pratiwi, CPH Simanjuntak, T Hestirianoto. 2021. Study on zooplankton diversity aquatic ecobiology of Batang Toru River, North Sumatera, Indonesia. IOP Conference Series: Earth and Environmental Science 744 (1), 012003</p> <p>T Hestirianoto, DM Wildan, CPH Simanjuntak, MF Rahardjo, D Syafruddin. 2021. Application of radiotelemetry in tracking the movement of mahseer fish (<i>Tor</i> spp.) in Batang Toru River, North Sumatera Province Indonesia. IOP Conference Series: Earth and Environmental Science 744 (1), 012028</p> <p>DM Wildan, CPH Simanjuntak, MF Rahardjo, T Hestiranoto, D Shafrudin. 2021. Study on macrozoobenthos diversity in Batang Toru River and its surrounding, North</p>		

	<p>Sumatra, Indonesia. IOP Conference Series: Earth and Environmental Science 744 (1), 012101</p> <p>I Shintia, T Hestirianoto, DM Wildan, CPH Simanjuntak, D Islami. 2021. Sound character of the coconut crab (<i>Birgus latro</i>) of Bacan Island. IOP Conference Series: Earth and Environmental Science 744 (1), 012076</p> <p>F Yulianda, AM Samosir, RR Siregar, DM Wildan. 2021. Population structure of the Pacific oyster (<i>Crassostrea irredalei</i>, Thunberg 1793) at Pabean Ilir, Indramayu. <i>Habitus aquatika</i>.</p> <p>YP Hastuti, AT Prastomo, R Affandi, W Nurussalam, DM Wildan, SB Agus. 2020. Evaluation Of The Use Of Malang Sand As A Filter Material On Water Quality, Physiological Responses And Production Performance Of Mud Crab <i>Scylla serrata</i>. <i>Jurnal Ilmu dan Teknologi Kelautan Tropis</i> 12 (3), 833-848</p> <p>DM Wildan, R Affandi, NTM Pratiwi, MI Afif. 2020. Utilization Of Non-Salinity Karst Water (Ciampea Karst Water) As A Medium For Maintaining Whiteleg Shrimp (<i>Litopenaeus vannamei</i>). <i>Prosiding Seminar Nasional Tahunan Hasil Perikanan dan Kelautan</i> 17, 137-142</p> <p>DM Wildan, AN Larasati, R Affandi, A Mashar. 2020. Biometric Characteristics of Eel Seed (<i>Anguilla Bicolor Bicolor</i> Mclelland, 1844) From Different Growing Groups. <i>Proceedings of the Annual National Seminar on Fisheries and Marine Products</i> 17, 155-167.</p> <p>DM Wildan, R Affandi, NTM Pratiwi, M Krisanti, IP Ayu, A Iswantari. 2017. Evaluation of karst water quality as an early reference of land suitability mapping for vaname shrimp (<i>Litopenaeusvannamei</i>) culture media. IOP Conference Series: Earth and Environmental Science 54 (1), 012070</p>
<p>Activities in specialist bodies over the last 5 years</p>	<p>-</p>

Name	Ayu Ervinia, S.Pi., M.Sc.		
Post	Division of Ecobiology and Conservation of Aquatic Resources		
Academic career	Master Degree in Marine Affairs	Coastal and Ocean Management Institute, Xiamen University	2013-2014
	Undergraduate degree in Aquatic Resources Management Dept.	IPB University	2007-2011
Employment	Lecturer	IPB University	2020-present
Research and development projects over the last 5 years	-		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	-		
Important publications over the last 5 years	<ol style="list-style-type: none"> 1. Ervinia A, Huang J, Huang Y, Lin J. 2019. Coupled effects of climate variability and land use pattern on surface water quality: An elasticity perspective and watershed health indicators. <i>Science of the Total Environment</i>, 693 (2019) 133592. 2. Ervinia A, Huang J, Zhang Z. 2020. Nitrogen sources, processes, and associated impacts of climate and land-use changes in a coastal China watershed: Insights from the INCA-N model. <i>Marine Pollution Bulletin</i> 159 (2020) 111502. 3. Huang Y, Huang J, Ervinia A, Duan S. 2020. Tracking riverine nitrate sources under changing land use pattern and hydrologic regime. <i>Marine Pollution Bulletin</i> 152 (2020) 110884. 4. Huang Y, Huang J, Ervinia A, Duan S, Kaushal SS. 2021. Land use and climate variability amplifies watershed nitrogen exports in coastal China. <i>Ocean & Coastal Management</i> (207): 104428. 5. Damar A, Ervinia A, Kurniawan F, Rudianto BY. 2021. Eutrophication in a tropical estuary: Is it good or bad? <i>IOP Conf. Series: Earth and Environmental Science</i> 744 (2021) 012010. 6. Simanjuntak CPH, Baihaqi F, Prabowo T, Bilqis S, Sulistiono, Ervinia A. 2021. Pola rekrutmen ikan amfidromus air tawar (Pisces: Gobiidae, Eleotridae) ke estuari Cimaja, Teluk Palabuhanratu. <i>Jurnal Iktiologi Indonesia</i> 21(3): 321-337. 		
Activities in specialist bodies over the last 5 years	-		

Name	Prof. Dr. Ir. Mennofatria Boer		
Post	Division of Fisheries Resources Management		
Academic career	Doctorate	Universitas Paris VII, Perancis	1988
	Magister degree	Universitas Paris VII, Perancis	1985
	Undergraduate degree	IPB University	1980
Employment	Lecturer	IPB University	1981-present
Research and development projects over the last 5 years	-		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	-		
Important publications over the last 5 years	<p><i>Recent publications: 38 publications.</i></p> <p>L Lindawati, Y Mardyani, ND Yanti, M Boer. 2021. Assessing and managing demersal fisheries in Sunda Strait: Bio-economic modelling. IOP Conference Series: Earth and Environmental Science 860 (1), 012062</p> <p>S Saptanto, M Boer. 2021. Vulnerability analysis for demersal fisheries in the Banten Region (A case study of Karangantu Port). IOP Conference Series: Earth and Environmental Science 800 (1), 012006</p> <p>I Setyobudiandi, M Boer. 2021. Seagrass distribution in the east coast of Bintan. IOP Conference Series: Earth and Environmental Science 782 (4), 042001</p> <p>R Kurnia, M Boer. 2021. Length Based-Spawning Potential Ratio (LB-SPR), on exploited demersal stock (<i>Priachantus tayenus</i>) in small scale fisheries, Sunda Strait. IOP Conference Series: Earth and Environmental Science 744 (1), 012103</p> <p>T Hidayat, M Boer, MM Kamal, A Suman. 2021. The characteristic of neritic tuna fisheries in the Java Sea and adjacent water. IOP Conference Series: Earth and Environmental Science 744 (1), 012029</p> <p>T Noegroho, L Adrianto, M Boer. 2021. Productivity and susceptibility analysis of Indo-Pacific king mackerel in IFMA 711 waters. IOP Conference Series: Earth and Environmental Science 744 (1), 012049</p> <p>L Adrianto, M Boer, Z Imran. 2021. Spatial analysis of coastal and marine ecosystem services at Bima Bay, West Nusa Tenggara, Indonesia. IOP Conference Series: Earth and Environmental Science 744 (1), 012046</p> <p>BM Rehatta, MM Kamal, M Boer, A Fahrudin, JSR Ninef. 2021. Growth, mortality, recruitment pattern, and exploitation rate of shared stock flying fish (<i>Exocoetidae</i>) at border area of Indonesia and Timor Leste in Ombai Strait. IOP Conference Series: Earth and Environmental Science 744 (1), 012062</p> <p>A Priatna, M Boer, R Kurnia. 2021. Length based spawning potential ratio of indian scad (<i>Decapterus russeli</i>, Rupell, 1928) in the South China Sea. IOP Conference Series: Earth and Environmental Science 744 (1), 012056</p> <p>Yonvitner, E Yuliana, DE Yani, LE Setijorini, Nurhasanah, A Santoso, et al. 2021. Effect of silent tsunami sunda strait to fisheries activity: Record from labuan landing port, pandeglang. AIP Conference Proceedings 2320 (1), 040027</p>		

	<p>R Kurnia, M Boer. 2021. Life History and Length Based-Spawning Potential Ratio (LB-SPR) of Exploited Demersal Fish Stock (<i>Upeneus</i> sp) in Sunda Strait. IOP Conference Series: Earth and Environmental Science 718 (1), 012074</p> <p>M Boer, R Kurnia. 2021. Length based data of <i>Nemipterus japonicus</i> to spawning potential ratio (SPR) estimation on small scale fisheries (SSF) management in Sunda Strait. IOP Conference Series: Earth and Environmental Science 674 (1), 012002</p> <p>M Munawar, L Adrianto, M Boer, Z Imran, A Zulfikar. 2020. Qualitative Loop Analysis of Social-Ecological Connectivity: The Case of Bima Bay, West Nusa Tenggara. ECOSOFiM (Economic and Social of Fisheries and Marine Journal) 8 (1), 1-14</p> <p>F Yulianda, A Muhtadi, M Boer, M Krisanti, Y Wardiatno. 2020. Biological conservation of Molluscs based on spatial and temporal distribution in tropical tidal lake, Medan-Indonesia. Hayati Journal of Biosciences 27 (4), 273-273</p> <p>F Rumagia, M Boer, R Kurnia, MM Kamal. 2020. Perspective on management strategic for sustainable development of coral reef fisheries at Ternate Island through ecosystem-based management approach. IOP Conference Series: Earth and Environmental Science 584 (1), 012036</p> <p>A Ahmad, A Fahrudin, M Boer, MM Kamal, Y Wardiatno. 2020. The distribution of reef fish in Ternate Island, North Maluku, Indonesia. IOP Conference Series: Earth and Environmental Science 584 (1), 012070</p> <p>Y Yonvitner, J Lloret, M Boer, R Kurnia, SG Akmal, E Yuliana, DE Yani, et al. 2020. Vulnerability of marine resources to small-scale fishing in a tropical area: The example of Sunda Strait in Indonesia. Fisheries Management and Ecology 27 (5), 472-480</p> <p>L Adrianto, M Boer, Z Imran, A Zulfikar. 2020. Socio-ecological network analysis of Bima Bay, West Nusa Tenggara Province, Indonesia. Aquaculture, Aquarium, Conservation & Legislation 13 (4), 2290-2301</p> <p>E Yuliana, I Farida, M Boer, A Fahrudin, MM Kamal. 2020. Habitat quality and reef fish resources potential in Karimunjawa National Park, Indonesia. Aquaculture, Aquarium, Conservation & Legislation 13 (4), 1836-1848</p> <p>A Muhtadi, F Yulianda, M Boer, M Krisanti, A Rahmadya. 2020. Hydrodynamics of tropical tidal lake waters, Lake Siombak, Medan, Indonesia. Aquaculture, Aquarium, Conservation & Legislation 13 (4), 2014-2031</p> <p>S Kusumo, L Adrianto, M Boer. 2020. A system dynamics model for marine conservation area management—a case study of Pulo Pasi Gusung local marine conservation area, Selayar, Indonesia. Aquaculture, Aquarium, Conservation & Legislation 13 (2), 715-735</p> <p>A Muhtadi, F Yulianda, M Boer, M Krisanti. 2020. Spatial distribution of mangroves in tidal lake ecosystem. IOP Conference Series: Earth and Environmental Science 454 (1), 012131</p> <p>LS Aprilia, D Wowor, M Boer, A Farajallah. 2020. Population dynamics of <i>Macrobrachium sintangense</i> and <i>M. lanchesteri</i> in Lake Lido, West Java. IOP Conference Series: Earth and Environmental Science 457 (1), 012008</p> <p>A Ahmad, A Fahrudin, M Boer, MM Kamal, Y Wardiatno. 2020. Ecosystem approach reef fisheries management model in Ternate Island, North Maluku, Indonesia. Aquaculture, Aquarium, Conservation & Legislation 13 (1), 86-99</p> <p>A Zulfikar, M Boer, L Adrianto, R Puspasari. 2020. Assessment of <i>Thalassia hemprichii</i> seagrass metrics for biomonitoring of environmental status. IOP Conference Series: Earth and Environmental Science 420 (1), 012037</p>
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Activities in specialist
bodies over the last 5 years

Name	Luky Adrianto, M.Sc., PhD		
Post	Division of Fisheries Resources Management		
Academic career	Doctorate	Universitas Paris VII, Perancis	1988
	Magister degree	Universitas Paris VII, Perancis	1985
	Undergraduate degree	IPB University	1980
Employment	Lecturer	Department of Fisheries Socio-Economics, Faculty of Fisheries and Marine Sciences, IPB	1995-1997
	Assistant Professor	Department of Fisheries Socio-Economics, Faculty of Fisheries and Marine Sciences, IPB	2004-2010
	Associate Professor	Department of Aquatic Resources Management, Faculty of Fisheries and Marine Sciences, IPB	2010-present
	Associate Professor and Deputy Director	Center for Coastal and Marine Resources Studies, Bogor Agricultural University (IPB)	2010-2012
	Associate Professor and Director	Graduate School of Coastal and Marine Resources Management Department of Aquatic Resources Management, Faculty of Fisheries and Marine Sciences, IPB	2012-2014
	Associate Professor and Director	Center for Coastal and Marine Resources Studies, Bogor Agricultural University (IPB)	2012-2015
	Associate Professor and Dean	Faculty of Fisheries and Marine Sciences, IPB	2015-2020
Research and development projects over the last 5 years	<p>Development of Multi-Stakeholders Platform for Sustainable Fisheries in the Fisheries Management Area. UNDP GMF Project Partners – UNDP</p> <p>Development of Blue Economy Development Index (BEDI) for Archipelagic and Islands States – UNDP</p> <p>Development Fisheries Area Management (WPP) Based Governance Spectrum 2 – BAPPENAS RI</p> <p>Fish for Good – Improving Fisheries Resources Management for Squid – MSC</p> <p>Fish for Good – Improving Fisheries Resources Management for Anchovy, Mackerel, and Mackerel Tuna – MSC</p> <p>Ecosystem Approach to Blue Swimming Crabs Fisheries in WPP 712 – FAO</p>		

	<p>Ecosystem Approach to Demersal Fisheries in WPP 712 – MSC</p> <p>Developing the Institutional Algorithm for WPP based Management – BAPPENAS</p> <p>Governing Fisheries Subsidies in Indonesia – WWF Indonesia</p> <p>Developing Multi-Stakeholders Platform for Sustainable Fisheries in Indonesia – UNDP</p> <p>Managing Fisheries Initiative in Indonesia – WWF Indonesia</p> <p>Study on Fisheries Financing Mechanism in Indonesia - Transformasi Indonesia</p> <p>Development Marine Biodiversity Financial Mechanism in Indonesia - UNDP/BAPPENAS</p> <p>Dynamics of Tuna Fisheries in Indonesia – TAKA</p> <p>Study on The Economics of Sustainable Fisheries - Conservation Strategic Funds, USA</p>
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications over the last 5 years	<p><i>Recent publications: 52 publications.</i></p> <p>T Jennerjahn, T Rixen, HE Irianto, J Samiaji, MA Abdul-Aziz, L Adrianto. 2022. Science for the Protection of Indonesian Coastal Ecosystems (SPICE). Elsevier</p> <p>MA AlAmin, L Adrianto, T Kusumastanto, Z Imran, A Damar. 2022. Sustainability status of bay management: case study in Jor Bay, East Lombok Regency, West Nusa Tenggara Province. IOP Conference Series: Earth and Environmental Science 967 (1), 012052</p> <p>S Mahardika, F Yulianda, L Adrianto, MA Al Amin. 2022. Engaging multi-stakeholders’ strategy toward strengthened mangrove rehabilitation program in Tangerang Regency. IOP Conference Series: Earth and Environmental Science 967 (1), 012053</p> <p>M Glaser, L Adrianto, A Breckwoldt, N Buhari, R Deswandi, S Ferse. 2022. The governance of coastal and marine social–ecological systems: Indonesia and beyond. Science for the Protection of Indonesian Coastal Ecosystems (SPICE), 407-443</p> <p>D Eider, S Partelow, S Albrecht, L Adrianto, LC Kluger. 2021. SCUBA tourism and coral reefs: a social-ecological network analysis of governance challenges in Indonesia. Current Issues in Tourism, 1-20</p> <p>A Hardianto, M Marimin, L Adrianto, I Fahmi. 2021. Sustainable Financing for Infrastructure Development to Support Tourism Connectivity: A Systematic Literature Review. Conference Towards ASEAN Chairmanship 2023 (TAC 23 2021), 74-80</p> <p>H Booth, M Ichsan, RF Hermansyah, LN Rohmah, KB Naira, L Adrianto. 2021. A socio-psychological approach for understanding and managing bycatch in small-scale fisheries. OSF Preprints</p> <p>PR Marlianingrum, T Kusumastanto, L Adrianto, A Fahrudin. 2021. Valuing habitat quality for managing mangrove ecosystem services in coastal Tangerang District, Indonesia. Marine Policy 133, 104747</p> <p>L Adrianto, F Kurniawan, A Romadhon, DG Bengen, NDM Sjafrie, et al. 2021. Assessing social-ecological system carrying capacity for urban small island tourism:</p>

	<p>The case of Tidung Islands, Jakarta Capital Province, Indonesia. <i>Ocean & Coastal Management</i> 212, 105844 4</p> <p>H Booth, D Squires, I Yulianto, B Simeon, L Adrianto, EJ Milner-Gulland. 2021. Estimating economic losses to small-scale fishers from shark conservation: A hedonic price analysis. <i>Conservation Science and Practice</i> 3 (9), e494</p> <p>MA Al Amin, L Adrianto, T Kusumastanto, Z Imran. 2021. Community knowledge, attitudes and practices towards environmental conservation: Assessing influencing factors in Jor Bay Lombok Indonesia. <i>Marine Policy</i> 129, 104521</p> <p>DS Efendi, L Adrianto, Y Wardiatno. 2021. An evaluation of grouper and snapper fisheries management policy in Saleh Bay, Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> 744 (1), 012013</p> <p>T Noegroho, L Adrianto, M Boer. 2021. Productivity and susceptibility analysis of Indo-Pacific king mackerel in IFMA 711 waters. <i>IOP Conference Series: Earth and Environmental Science</i> 744 (1), 012049</p> <p>L Adrianto, M Boer, Z Imran. 2021. Spatial analysis of coastal and marine ecosystem services at Bima Bay, West Nusa Tenggara, Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> 744 (1), 012046</p> <p>S Handayani, L Adrianto, DG Bengen, IW Nurjaya, Y Wardiatno. 2020. Alternative livelihoods strategy for coastal communities affected by coastal erosion in Sayung coastal area, Demak Regency, Central Java Province, Indonesia. <i>Aquaculture, Aquarium, Conservation & Legislation</i> 13 (6), 3605-3617</p> <p>DS Efendi, L Adrianto, Y Wardiatno. 2020. The economic performance of grouper (Serranidae) and snapper (Lutjanidae) fisheries in Saleh Bay, Indonesia. <i>Aquaculture, Aquarium, Conservation & Legislation</i> 13 (6), 3556-3565</p> <p>LS Mulyawati, L Adrianto, K Soewandi, HA Susanto. 2020. Factors of Coastal Tourism Management with DPSIR Analysis (Case Study: Tanjung Lesung Special Economic Zone, Pandeglang Regency, Banten Province). <i>ECSOFiM (Economic and Social of Fisheries and Marine Journal)</i> 8 (1), 123-137</p> <p>M Munawar, L Adrianto, M Boer, Z Imran, A Zulfikar. 2020. Qualitative Loop Analysis of Social-Ecological Connectivity: The Case of Bima Bay, West Nusa Tenggara. <i>ECSOFiM (Economic and Social of Fisheries and Marine Journal)</i> 8 (1), 1-14</p> <p>DS Efendi, L Adrianto, Y Wardiatno, S Agustina. 2020. The performance of stock indicators of grouper (Serranidae) and snapper (Lutjanidae) fisheries in Saleh Bay, Indonesia. <i>Aquaculture, Aquarium, Conservation & Legislation</i> 13 (5), 2431-2444</p> <p>A Damar, F Colijn, KJ Hesse, L Adrianto, A Fahrudin, F Kurniawan. 2020. Phytoplankton biomass dynamics in tropical coastal waters of Jakarta Bay, Indonesia in the period between 2001 and 2019. <i>Journal of Marine Science and Engineering</i> 8 (9), 674</p> <p>Y Hayati, L Adrianto, M Krisanti, WS Pranowo, F Kurniawan. 2020. Magnitudes and tourist perception of marine debris on small tourism island: Assessment of Tidung Island, Jakarta, Indonesia. <i>Marine pollution bulletin</i> 158, 111393</p> <p>L Adrianto, M Boer, Z Imran, A Zulfikar. 2020. Socio-ecological network analysis of Bima Bay, West Nusa Tenggara Province, Indonesia. <i>Aquaculture, Aquarium, Conservation & Legislation</i> 13 (4), 2290-2301</p> <p>S Handayani, DG Bengen, IW Nurjaya, L Adrianto, Y Wardiatno. 2020. The sustainability status of mangrove ecosystem management in the rehabilitation area of Sayung Coastal Zone, Demak Regency, Central Java Indonesia. <i>Aquaculture, Aquarium, Conservation & Legislation</i> 13 (2), 865-884</p>
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	<p>BO Nababan, T Kusumastanto, L Adrianto, A Fahrudin. 2020. The economic impact of the " cantrang" prohibition in the northern Java Sea, Indonesia. <i>Aquaculture, Aquarium, Conservation & Legislation</i> 13 (2), 705-714</p> <p>S Kusumo, L Adrianto, M Boer. 2020. A system dynamics model for marine conservation area management—a case study of Pulo Pasi Gusung local marine conservation area, Selayar, Indonesia. <i>Aquaculture, Aquarium, Conservation & Legislation</i> 13 (2), 715-735</p> <p>A Supandi, A Daryanto, B Sanim, L Adrianto. 2020. Analysis of Maritime Security Business Safety Construction Business With Analytical Network Process Model. <i>IJCSAM (International Journal of Computing Science and Applied Mathematics ...</i></p> <p>S Maarif, H Hardjomidjojo, L Adrianto. 2020. A design of optimization based logistic strategy for seaweed agroindustry: a case study in South Sulawesi Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> 454 (1), 012033</p> <p>SG Akmal, L Adrianto. 2020. The spatial vulnerability of fisheries resources for sustainable management. <i>IOP Conference Series: Earth and Environmental Science</i> 420 (1), 012002</p> <p>A Rahmawati, MA Khalifa, FR Indaryanto, L Adrianto, SB Agus, et al. 2020. Seagrass existence after Sunda Strait tsunami 2018: Evidence in Tanjung Lesung region. <i>IOP Conference Series: Earth and Environmental Science</i> 420 (1), 012024</p> <p>A Zulfikar, M Boer, L Adrianto, R Puspasari. 2020. Assessment of <i>Thalassia hemprichii</i> seagrass metrics for biomonitoring of environmental status. <i>IOP Conference Series: Earth and Environmental Science</i> 420 (1), 012037</p> <p>F Kurniawan, MN Arkham, A Rustam, YP Rahayu, NS Adi, L Adrianto, et al. 2020. An ecosystem services perspective for the economic value of seafood production supported by seagrass ecosystems: An exercise in Derawan Island, Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> 414 (1), 012008</p> <p>MA Al Amin, L Adrianto, T Kusumastanto, Z Imran, F Kurniawan. 2020. Participatory mapping: Assessing problems and defined marine conservation planning and zoning in Jor Bay, Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> 414 (1), 012001</p> <p>L Adrianto, D Aprilyanti, RM Sitohang, I Nurokhmah. 2020. Preliminary uncertainty analysis in fisheries—the case of two fisheries in Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> 404 (1), 012083</p> <p>R Megawanto, A Fauzi, L Adrianto, A Hidayat. 2019. Policy scenario on Indonesian marine capture fisheries 2045. <i>Aquaculture, Aquarium, Conservation & Legislation</i> 12 (6), 2306-2318</p> <p>A Zulfikar, M Boer, L Adrianto, R Puspasari. 2019. Confirmatory factor analysis of seagrass <i>Thalassia hemprichii</i> descriptors from coastal waters of Kepulauan Seribu Marine National Park. <i>Aquaculture, Aquarium, Conservation & Legislation</i> 12 (6), 2261-2272</p> <p>LS Mulyawati, L Adrianto, K Soewandi, HA Susanto. 2019. Impact of tsunami Sunda Strait to coastal tourism in Tanjung Lesung Special Economic Zone Pandeglang Regency Banten Province. <i>IOP Conference Series: Earth and Environmental Science</i> 370 (1), 012065</p> <p>A Damora, L Adrianto, Y Wardiatno, A Suman. 2019. Dynamic spatial allocation of scalloped spiny lobster (<i>Panulirus homarus</i>) in the coast of Gunungkidul, Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> 348 (1), 012113</p> <p>F Kurniawan, L Adrianto, DG Bengen, LB Prasetyo. 2019. The social-ecological status of small islands: An evaluation of island tourism destination management in Indonesia. <i>Tourism Management Perspectives</i> 31, 136-144</p>
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Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Indonesian University Networks in Fisheries and Marine Sciences	Chairman	2016-2020
	Indonesian Marine and Fisheries Socio-Economics Research Networks (IMFISERN)	Scientific Committee	2015-2018
	Coastal and Ocean Management Institute (COMI), Xiamen University, China	Co-Chair, Academic Advisory Board	2015-2021

Name	Dr. Yonvitner, S.Pi, M.Si		
Post	Division of Fisheries Resources Management		
Academic career	Doctorate	IPB University	2011
	Magister degree	IPB University	2001
	Undergraduate degree	IPB University	1999
Employment	Position	Employer	Period
	Koordinator kemahasiswaan dan Advokasi dan Alumni Fakultas Perikanan dan Ilmu Kelautan IPB	FPIK IPB	2011-2013
	Kasubdit Kerjasama Dalam Negeri IPB	Direktorat Kerjasama dan Program Internasional IPB	2011-2015
	Kepala Sekretariat Rektor, IPB	Sekretariat Rektor IPB	2015-2019
	Director	Center for Coastal and Marine Resources Studies, Bogor Agricultural University (IPB)	2021-2025
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years			
Patents and proprietary rights			
Important publications over the last 5 years	<p>Yonvitner, SB Agus, DF Lestari, R Pasaribu, E Supriyanto, C Widodo, et al. 2022. Vulnerability Status of the Coral Ecosystem in Kepulauan Seribu Marine National Park, Indonesia. Coastal Management, 1-11</p> <p>BAW Yonvitner, Syamsul Bahri Agus, Perdinan, Rifki Aldi Ramadhadi. 2021. A framework of artificial intelligent for investment assessment in coastal and small island area, relate to disaster risk. IOP Conference Series: Earth and Environmental Science 774 (1), 012104</p> <p>M Boer, Yonvitner, R Kurnia. 2021. Length Based-Spawning Potential Ratio (LB-SPR), on exploited demersal stock (Priachantus tayenus) in small scale fisheries, Sunda Strait. IOP Conference Series: Earth and Environmental Science 774 (1), 012103</p> <p>JP Jana Markova, Yonvitner. 2021. Modern methods of genetic sampling of aquatic organisms. IOP Conference Series: Earth and Environmental Science 744 (1), 012043</p> <p>YW Diding S Effendi, Luky Adrianto, Yonvitner. 2021. An evaluation of grouper and snapper fisheries management policy in Saleh Bay, Indonesia. IOP Conference Series: Earth and Environmental Science 744 (1), 012013</p>		

	<p>SG Akmal, A Santoso, Yonvitner. 2021. Length based-spawning potential ratio (LB-SPR) model for estimating successful adaptation of invasive crayfish (<i>Cherax quadricarinatus</i>, Morten) in Java. IOP Conference Series: Earth and Environmental Science 674, 12002</p> <p>R Kurnia, Yonvitner, M Boer. 2021. Length based data of <i>Nemipterus japonicus</i> to spawning potential ratio (SPR) estimation on small scale fisheries (SSF) management in Sunda Strait. International and National Symposium on Aquatic Environment and Fisheries</p> <p>SG Akmal, Yonvitner, E Yuliana, DE Yani, LE Setijorini, et al. Effect of silent tsunami sunda strait to fisheries activity: Record from Labuan Landing Port, Pandeglang. AIP Conference Proceedings 2320, 40027</p> <p>W Waluyo, Y Yonvitner, E Riani, T Arifin. 2020. Dynamic Models for Seaweed Cultivation Development in The Waters of Luwu and Palopo Regency, South Sulawesi. TATALOKA 22 (4), 497-514</p> <p>DS Efendi, L Adrianto, Y Wardiatno, S Agustina. 2020. The performance of stock indicators of grouper (<i>Serranidae</i>) and snapper (<i>Lutjanidae</i>) fisheries in Saleh Bay, Indonesia. Aquaculture, Aquarium, Conservation & Legislation 13 (5), 2431-2444</p> <p>Y Yonvitner, J Lloret, M Boer, R Kurnia, SG Akmal, E Yuliana, DE Yani, et al. 2020. Vulnerability of marine resources to small-scale fishing in a tropical area: The example of Sunda Strait in Indonesia. Fisheries Management and Ecology 27 (5), 472-480</p> <p>A Damar, F Colijn, KJ Hesse, L Adrianto, A Fahrudin, F Kurniawan, Yonvitner, et al. 2020. Phytoplankton biomass dynamics in tropical coastal waters of Jakarta Bay, Indonesia in the period between 2001 and 2019. Journal of Marine Science and Engineering 8 (9), 674</p> <p>Y Yonvitner, J Patoka, E Yuliana, L Bohatá, E Tricarico, T Karella. 2020. Enigmatic hotspot of crayfish diversity at risk: Invasive potential of non-indigenous crayfish if introduced to New Guinea. Aquatic Conservation: Marine and Freshwater Ecosystems 30 (2), 219-224</p> <p>J Patoka, M Takdir, H Aryadi, R Jerikho, J Nilawati, FY Tantu, L Bohatá, Yonvitner. 2020. Two species of illegal South American sailfin catfish of the genus <i>Pterygoplichthys</i> well-established in Indonesia. Knowledge & Management of Aquatic Ecosystems, 28</p> <p>J Marková, R Jerikho, Y Wardiatno, MM Kamal, ALB Magalhães, L Bohatá, Yonvitner. 2020. Conservation paradox of giant arapaima <i>Arapaima gigas</i> (Schinz, 1822) (Pisces: Arapaimidae): endangered in its native range in Brazil and invasive in Indonesia. Knowledge & Management of Aquatic Ecosystems, 47</p> <p>Waluyo, Yonvitner, E Riani, T Arifin. 2019. Integrated Coastal Management Dynamic Models: A Case Study of Development Seaweed Cultivation in the Waters Luwu and Palopo Regency Bone Bay, South Sulawesi. Journal of Marine Science 1 (02), 14-27</p> <p>Yonvitner. 2019. Mangrove Governance: Establish a new paradigm of mangrove management “from village to the world”. International Conference of Mangroves and Its Related Ecosystems 2019</p> <p>A Damar, KJ Hesse, F Colijn, Y Vitner. 2019. The eutrophication states of the Indonesian sea large marine ecosystem: Jakarta Bay, 2001–2013. Deep Sea Research Part II: Topical Studies in Oceanography 163, 72-86</p> <p>SG Akmal, M Boer, R Kurnia, E Yuliana. 2019. Marine Fish Production and Diversity Record from Sunda Strait Before Tsunami Disaster at 22 December 2018: Evidence from Ports in Banten Province, Indonesia. fisheries 9 (8)</p>
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	<p>E Yuliana, BM Yonvitner, J Patoka. 2019. Unusual rostral deformity in <i>Cherax quadricarinatus</i> (von Martens, 1868). Workshop on Biodiversity, Jevany, Czech Republic 11, 201-206</p> <p>MD Putra, M Bláha, Y Wardiatno, M Krisanti, R Jerikho, MM Kamal, Yonvitner. 2018. <i>Procambarus clarkii</i> (Girard, 1852) and crayfish plague as new threats for biodiversity in Indonesia. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> 28 (6), 1434-1440</p> <p>J Patoka, Y Wardiatno, A Mashar, D Wowor, R Jerikho, M Takdir, Yonvitner. 2018. Redclaw crayfish, <i>Cherax quadricarinatus</i> (von Martens, 1868), widespread throughout Indonesia. <i>BioInvasions Record</i> 7 (2)</p>
<p>Activities in specialist bodies over the last 5 years</p>	

Name	Dr. Ir. Zairion, M.Sc		
Post	Division of Fisheries Resources Management		
Academic career	Doctorate	IPB University	2015
	Magister degree	AARHUS Univ., Denmark	1999
	Undergraduate degree	IPB University	1990
Employment	Position	Employer	Period
	Kepala Lab. Fisik Sumberdaya Perikanan, Bagian Pengelolaan Sumberdaya Perikanan (MSPi)-MSP	MSP-FPIK-IPB	2004-present
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years			
Patents and proprietary rights			
Important publications over the last 5 years	<p>Zairion, AA Hakim, A Mashar, A Fahrudin, B Widigdo, Y Wardiatno. 2019. New record of <i>Pseudoporcellanella manoliensis</i> Sankarankutty, 1961 (Crustacea: Decapoda: Porcellanidae) from Indonesian waters. <i>Natura Croatica: Periodicum Musei Historiae Naturalis Croatici</i> 28 (1), 147-154</p> <p>Y Rustandi, A Fahrudin, Zairion, MN Arkham, A Zahid, A Hamdani, et al. 2019. Distribution fisheries resources of Small Island in Estuary Area: An assessment in Bunyu Island, North Kalimantan, Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> 241 (1), 012003</p> <p>DD Kembaren, Zairion, MM Kamal, Y Wardiatno. 2018. Abundance and spatial distribution of blue swimming crab (<i>Portunus pelagicus</i>) larvae during east monsoon in the East Lampung waters, Indonesia. <i>Biodiversitas Journal of Biological Diversity</i> 19 (4), 1326-1333</p> <p>Zairion, AA Hakim, A Mashar, A Fahrudin, L Adrianto, B Widigdo. 2018. Diversity and distribution of Dorippid Crabs (Brachyura: Dorippidae) in East Coast of Lampung, Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> 149 (1), 012056</p>		
Activities in specialist bodies over the last 5 years			

Name	Dr. Ir. Nurlisa A. Butet. M.Sc		
Post	Division of Fisheries Resources Management		
Academic career	Doctorate	IPB University	2013
	Magister degree	University of Rhode Island, Kingston USA	1997
	Undergraduate degree	IPB University	1990
Employment	Lecturer	Dept. MSP, FPIK, IPB University	1990-now
Research and development projects over the last 5 years	Universal Primer of Cytochrome Oxidase Subunit 1(COI) Partial Gene for DNA Barcoding of Aquatic Biota. 2021. Funding: IPB University. IDR 28,000,000		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	-		
Important publications over the last 5 years	<p><i>Recent publications: 17 publications.</i></p> <p>H Latuconsina, MM Kamal, R Affandi, NA Butet. 2022. Growth and reproductive biology of white-spotted rabbitfish (<i>Siganus canaliculatus</i>) on different seagrass habitats in Inner Ambon Bay, Indonesia. <i>Biodiversitas Journal of Biological Diversity</i> 23 (1)</p> <p>A Heirina, M Krisanti, NA Butet, Y Wardiatno, S Köpper, AA Hakim, et al. 2021. Ectoparasites of blue swimming crabs (<i>Portunus pelagicus</i>) from Demak and East Lampung, Java Sea Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> 744 (1), 012026</p> <p>IP Ayu, Y Wardiatno, NA Butet, H Madduppa. 2021. DNA metabarcoding approach for fisheries management. <i>IOP Conference Series: Earth and Environmental Science</i> 744 (1), 012005</p> <p>R Serosero, S Sulistiono, NA Butet, E Riani. 2021. Stock status of coconut crab (<i>Birgus latro</i>) in Daeo, Morotai Island District, North Maluku, Indonesia. <i>Biodiversitas Journal of Biological Diversity</i> 22 (2)</p> <p>MN Findra, I Setyobudiandi, DD Solihin, NA Butet. 2020. Characteristics of cytochrome C oxidase subunit I gene in giant clam from Wakatobi National Park Waters, Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> 584 (1), 012009</p> <p>F Hanifaturahmah, D Perwitasari-Farajallah, NA Butet, M Nurilmala, et al. 2020. Morphological and molecular identification of seahorses (<i>Hippocampus</i> spp.) from the coast of Sumatra Island, Indonesia. <i>Biodiversitas Journal of Biological Diversity</i> 21 (9)</p> <p>R Serosero, E Riani, NA Butet. 2020. Reproduction of coconut crabs (<i>Birgus latro</i>) in Daeo District, Morotai Island, North Maluku, Indonesia. <i>Aquaculture, Aquarium, Conservation & Legislation</i> 13 (4), 2002-2013</p> <p>H Latuconsina, R Affandi, MM Kamal, NA Butet. 2020. On the assessment of white-spotted rabbitfish (<i>Siganus canaliculatus</i> Park, 1797) stock in the Inner Ambon Bay, Indonesia. <i>AAACL Bioflux</i></p>		

	<p>M Krisanti, BF Ramadhan, A Mashar, NA Butet, AA Hakim, Y Wardiatno. 2020. Mole crab phylogenetics relationship analysis in Parangkusumo and Ketawang Beach Waters. IOP Conference Series: Earth and Environmental Science 420 (1), 012018</p> <p>AA Hakim, MM Kamal, NA Butet, R Affandi. 2020. Taxonomic status investigation of freshwater eels (<i>Anguilla</i> spp.) based on the molecular marker in seven rivers that flow to Palabuhanratu Bay, Indonesia. IOP Conference Series: Earth and Environmental Science 420 (1), 012012</p> <p>AA Hakim, DF Kurniavandi, A Mashar, NA Butet, H Maduppa, Y Wardiatno. 2020. Study on stock structure of Indian mackerel (<i>Rastrelliger kanagurta</i> Cuvier, 1816) in Fisheries Management Area 712 of Indonesia using morphological characters with Truss. IOP Conference Series: Earth and Environmental Science 414 (1), 012006</p> <p>M Nurilmala, EM Sari, A Abdullah, HH Hizbullah, NA Butet, AO Sudrajat. 2020. DNA barcoding for seahorse identification and its potential as antioxidant and stimulant indicator. IOP Conference Series: Earth and Environmental Science 404 (1), 012002</p> <p>NS Meikasari, M Nurilmala, NA Butet, AO Sudrajat. 2020. PCR-RFLP as a detection method of allelic diversity seahorse <i>Hippocampus comes</i> (Cantor, 1849) from Bintan waters, Riau Island. IOP Conference Series: Earth and Environmental Science 404 (1), 012046</p> <p>AA Hakim, MM Kamal, NA Butet, R Affandi. 2020. Determination of fisheries refugia area for freshwater eels (<i>Anguilla</i> spp.) in Palabuhanratu bay, West Java, Indonesia. IOP Conference Series: Earth and Environmental Science 404 (1), 012014</p> <p>S Bachry, D Solihin, R Gustiano, K Soewardi, NA Butet. 2019. Genetic Diversity of the <i>Haliotis diversicolor squamata</i> from Southern Coastal Java (Banten, Pangandaran and Alas Purwo) and Bali Based on Mitochondrial CO1 Sequences. Tropical Life Sciences Research 30 (3), 82-93</p> <p>M Nurilmala, KH Nurhayati, NA Butet, AO Sudrajat. 2019. Molecular marker based on 16S rRNA gene for seahorse (<i>Hippocampus</i> spp.) from Bintan Island-Indonesia. IOP Conference Series: Earth and Environmental Science 278 (1), 012054</p> <p>R Serosero, NA Butet, E Riani. 2018. Morphometric characteristics of coconut crabs (<i>Birgus latro</i> Linnaeus, 1767) in North Moluccas Province, Indonesia. Aquaculture, Aquarium, Conservation & Legislation 11 (5), 1616-1632</p>
Activities in specialist bodies over the last 5 years	

Name	Dr. Ali Mashar, S.Pi., M.Si.		
Post	Division of Fisheries Resources Management		
Academic career	Initial academic appointment	Institution	Year
	Doctorate (Aquatic Resources Management)	IPB University	2016
	Master degree (Aquatic Resources Management)	IPB University	2011
	Undergraduate degree (Aquaculture)	IPB University	1998
Employment	Lecturer	Dept. MSP, FPIK, IPB University	2005-now
Research and development projects over the last 5 years	<ol style="list-style-type: none"> 1. Universal Primer of Cytochrome Oxidase Subunit 1(COI) Partial Gene for DNA Barcoding of Aquatic Biota. 2021. Funding: IPB University. IDR 28,000,000 2. Study of Small-Crustacean Biodiversity as a Consequence of Indonesia's Geographical Area Passed by the Wallace Line and the Weber Line on Marine Species Richness. Three years (2018-2021). Funding: DIKTI. IDR 447,000,000 3. Impact of Invasive Freshwater Crayfish in West Java and Surrounding Public Waters on Native Crustacean Species and Humans. Three years (2017-2019). Funding: DIKTI. IDR 449,000,000 		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	<p><i>Title</i></p> <p><i>Konstruksi tambak udang dengan bagian bawah terisolasi untuk mengeliminasi lapisan asam (Shrimp farm construction with insulated bottom to eliminate acid layer)</i></p> <p>Rights Holders:</p> <p><i>Bambang Widigdo</i></p> <p><i>Kadarwan Soewardi</i></p> <p><i>Ali Mashar</i></p> <p>Patent Number:</p> <p><i>P00201507984</i></p>	<p><i>Year</i></p> <p><i>13 December 2019</i></p>	
Important publications over the last 5 years	<p><i>Recent publications: 40 publications.</i></p> <p>Chadijah A, Sulistiono, Haryani GS, Affandi R, Mashar A. 2021. Morphological Variations in Endemic Fish Sailfin Silversides (<i>Telmatherina prognatha</i>) in Matano Lake, South Sulawesi, Indonesia. <i>Journal of Hunan University (Natural Sciences)</i>, 48(12): 20-27.</p> <p>Aini NK, Wardiatno Y, Effendi H, Mashar A, Madduppa H. 2021. High genetic diversity and mixing of coastal horseshoe crabs (<i>Tachypleus gigas</i>) across major habitats in Sundaland, Indonesia. <i>PeerJ</i>: 1-16.</p>		

	<p>Aini NK, Wardiatno Y, Mashar A, Effendi H, Madduppa H. 2021. Short communication – The first inventory of the nest placement of horseshoe crab (<i>Tachypleus gigas</i>) in Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i>, 744: 1-8.</p> <p>Mashar A, Firdausyia APN, Krisanti M, Hakim AA. 2021. Biodiversity of macroinvertebrate in artificial substrate from several habitats at Ponelo Island, Gorontalo. <i>IOP Conference Series: Earth and Environmental Science</i>, 744: 1-8.</p> <p>Mashar A, Yulianto G, Wisudo SH, Handayani LDW, Nur IA, Supardi H, Nur A, Amalo LF, Putra MD, Wardiatno Y, Effendi H. 2021. Reconstruction of the compensation calculation formula for impacted aquaculture by marine pollution. <i>Jurnal Pengelolaan Sumberdaya Alam dan Lingkungan</i>, 11(2): 215-220.</p> <p>Taryono, Mashar A, Aryasa S. 2021. Management policy of invasive species red claw crayfish (<i>Cherax quadricarinatus</i>) at Lido Lake, Bogor Regency. <i>IOP Conference Series: Earth and Environmental Science</i>, 744: 1-10.</p> <p>Yulianto G, Mashar A, Wisudo SH, Handayani LDW, Nur IA, Supardi H, Nur A, Amalo LF, Putra MD, Wardiatno Y, Effendi H. 2021. Development of compensation valuation method for marine tourism businesses due to oil spill incident at the sea. <i>Jurnal Pengelolaan Sumberdaya Alam dan Lingkungan</i>, 11(2): 221-232.</p> <p>Aini NK, Erwyansyah, Kurnia R, Butet NA, Mashar A, Zairion, Funch P, Madduppa H, Wardiatno Y. 2020. Two morphotypes of tri-spine horseshoe crab, <i>Tachypleus tridentatus</i> (Leach, 1819) (Xiphosura Limulidae) in Indonesia and implications for species identification. <i>Biodiversity Journal</i>, 11(2): 535-540.</p> <p>Aini NK, Mashar A, Madduppa H, Wardiatno Y. 2020. Keragaman genetik mimi (<i>Carcinoscorpius rotundicauda</i> dan <i>Tachypleus gigas</i>) di perairan Demak, Madura dan Balikpapan berdasarkan penanda Random Amplified Polymorphic DNA. <i>Jurnal Pengelolaan Sumberdaya Alam dan Lingkungan</i>, 10(1): 124-137.</p> <p>Chadajah A, Sulistiono, Ridwan, Haryani GS, Mashar A. 2020. Food habits of endemic opudi fish (<i>Telmatherina prognatha</i>, Kottelat 1991) in Matano Lake, South Sulawesi, Indonesia. <i>Biodiversitas</i>, 21(4): 1373-1378.</p> <p>Hakim AA, Bagaskoro B, Mashar A, Farajallah A, Wardiatno Y. 2020. Morphology and molecular identification on octopus (Genus <i>Octopus</i> Cuvier, 1798) caught in Palabuhanratu, Sukabumi, West Java. <i>IOP Conference Series: Earth and Environmental Science</i>: 1-9.</p> <p>Hakim AA, Kurniavandi DF, Mashar A, Butet NA, Zairion, Madduppa H, Wardiatno Y. 2020. Study on stock structure of Indian mackerel (<i>Rastrelliger kanagurta</i> Cuvier, 1816) in Fisheries Management Area 712 of Indonesia using morphological characters with Truss Network Analysis approach. <i>IOP Conference Series: Earth and Environmental Science</i>: 1-7.</p> <p>Krisanti M, Ramadhan BF, Mashar A, Butet NA, Hakim AA, Wardiatno Y. 2020. Mole crab phylogenetics relationship analysis in Parangkusumo and Ketawang Beach Waters. <i>IOP Conference Series: Earth and Environmental Science</i>: 1-10.</p> <p>Krisanti M, Sofirma A, Hakim AA, Farajallah A, Wardiatno Y, Mashar A. 2020. Secondary productivity of small crustacea, <i>Neosesarma</i> sp. in Bintan Island waters, Riau Islands. <i>IOP Conference Series: Earth and Environmental Science</i>: 1-9.</p> <p>Nuraisah R, Aini NK, Mashar A, Zairion, Hastuti YP, Funch P, Wardiatno Y. 2020. Kebiasaan makanan belangkas, <i>Tachypleus gigas</i> (Müller, 1785) dan</p>
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	<p><i>Carcinoscorpius rotundicauda</i> (Latreille, 1802) di perairan pesisir Balikpapan, Kalimantan Timur. <i>Jurnal Pengelolaan Sumberdaya Alam dan Lingkungan</i>, 10(2): 153-162.</p> <p>O Lodo Pe E, Mashar A, Taryono, Wardiatno Y. 2020. Microplastic distribution and abundance in Cimandiri Watershed flowing to Palabuhanratu Bay, Sukabumi, West Java, Indonesia. <i>AACL Bioflux</i>, 13(2): 657-668.</p> <p>Rifqi M, Widigdo B, Mashar A, Wardiatno Y. 2020. CO₂ and CH₄ flux from the water-air interface of three shrimp culture technologies. <i>AACL Bioflux</i>, 13(2): 605-617.</p> <p>Rifqi M, Widigdo B, Wardiatno Y, Mashar A, Adianto W. 2020. The daily variance of CO₂ and CH₄ emission from shrimp ponds. <i>IOP Conference Series: Earth and Environmental Science</i>: 1-9.</p> <p>Rifqi M, Widigdo B, Mashar A, Nazar F, Wardiatno Y. 2020. Strategy to gain the target of shrimp production in Karawang District coastal area. <i>AACL Bioflux</i>, 13(5): 2757-2769.</p> <p>Widigdo B, Hakim AA, Mashar A, Sari IP, Wardiatno Y. 2020. Comparison of morphological characters of freshwater crayfish (<i>Cherax quadricarinatus</i>) from different ecosystems in Indonesia. <i>Jurnal Biologi Tropis</i>, 20(3): 507-513.</p> <p>Wildan DM, Larasati AN, Ridwan, Mashar A. 2020. Karakter biometrik benih ikan sidat (<i>Anguilla bicolor bicolor</i> McClelland, 1844) dari kelompok pertumbuhan berbeda. Prosiding Seminar Nasional Tahunan Xvii Hasil Penelitian Perikanan Dan Kelautan Tahun 2020. Departemen Perikanan dan Kelautan Fakultas Pertanian Universitas Gadjah Mada.155-167.</p> <p>Taryono, O Lodo Pe E, Wardiatno Y, Mashar A. 2020. Macroplastic distribution, abundance, and composition which flows to Cimandiri estuary, West Java. <i>IOP Conference Series: Earth and Environmental Science</i>: 1-9.</p> <p>Taryono, Mashar A, Febriana R, Nurulhayati ER, Nurulhafidzah A, Wardiatno Y. 2020. Pengembangan metode valuasi ekonomi dampak langsung spesies asing invasif berbasis kompetisi makanan pada ekosistem perairan. <i>Jurnal Pengelolaan Sumberdaya Alam dan Lingkungan</i>, 10(2): 198-208.</p> <p>Zairion, Fauziyah, Riani E, Hakim AA, Mashar A, Madduppa H, Wardiatno. 2020. Morphometric character variation of the blue swimming crab (<i>Portunus pelagicus</i> Linnaeus, 1758) population in western and eastern part of Java Sea. <i>IOP Conference Series: Earth and Environmental Science</i>: 1-11.</p> <p>Widigdo B, Rifqi M, Mashar A, Nazar F, Wardiatno Y. 2020. The contribution of phytoplankton in the carbon adsorption and stock during shrimp culture in brackishwater ponds. <i>Biodiversitas</i>, 21(11): 5170-5177.</p> <p>Chadajah A, Sulistiono, Haryani GS, Affandi R, Mashar A. 2019. Distribusi Ukuran, Pola Pertumbuhan, dan Faktor Kondisi Ikan Endemik Opudi (<i>Telmatherina prognatha</i>) di Danau Matano, Sulawesi Selatan. <i>Jurnal Ilmu Pertanian Indonesia</i>, 24(4): 295-303.</p> <p>Mashar A, Wahyuni YS, Hakim AA, Wardiatno Y. 2019. Pendekatan truss morphometric dalam menganalisis kekerabatan populasi <i>Cherax quadricarinatus</i> (von Martens, 1868) di perairan Jawa Barat. <i>Journal of Tropical Fisheries Management</i>, 3(2): 20-27.</p> <p>Safira A, Zairion, Mashar A. 2019. Analysis of morphometric diversity of blue swimming crab (<i>Portunus pelagicus</i> Linnaeus, 1758) In WPP 712 as a base management. <i>Journal of Tropical Fisheries Management</i>, 3(2): 9-19.</p> <p>Zairion, Hakim AA, Mashar A, Fahrudin A, Widigdo B, Wardiatno Y. 2019. New record of <i>Pseudoporcellanella manoliensis</i> Sankarankutty, 1961 (Crustacea:</p>
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	<p>Decapoda: Porcellanidae) from Indonesian waters. <i>Nat. Croat.</i>, 28(1): 147-154.</p> <p>Chadjah A, Sulistiono, Haryani GS, Affandi R, Mashar A. 2018. Species composition of <i>Telmatherina</i> caught in the vegetated and rocky habitats in Matano Lake, South Celebes, Indonesia. <i>Jurnal Ilmu Pertanian Indonesia</i>, 11(3): 948-955.</p> <p>Mashar A, Alimuddin, Taryono, Wardiatno Y, Hakim AA, Qonita Y. 2018. The Invasive Alien Species of Freshwater Crayfish: Ecological and Economical Impacts. <i>Proceedings 17th World Lake Conference-Ibaraki</i>, 3: 987-989.</p> <p>Patoka J, Wardiatno Y, Mashar A, Yonvitner, Wowor D, Jerikho R, Takdir M, Purnamasari L, Petrtýl M, Kalous L, Kouba A, Bláha M. 2018. Redclaw crayfish, <i>Cherax quadricarinatus</i> (von Martens, 1868), widespread throughout Indonesia. <i>BioInvasions Records</i>, 7(2): 185-189.</p> <p>Zairion, Hakim AA, Mashar A, Fahrudin A, Adrianto L, Widigdo B, Wardiatno Y. 2018. Diversity and distribution of Dorippid Crabs (Brachyura: Dorippidae) in East Coast of Lampung, Indonesia. <i>IOP Conf. Series: Earth and Environmental Science</i>, 149: 1-8.</p> <p>Hariyadi S, Muflih A, Mashar A, Widigdo B, Wardiatno Y. 2017. Spatial distribution of some heavy metals in the sediments of Tangerang coastal waters, Banten Province, Indonesia. <i>AES Bioflux</i>, 9(2): 120-134.</p> <p>Mashar A, Butet NA, Juliandi B, Qonita Y, Hakim AA, Wardiatno Y. 2017. Biodiversity and Distribution of Horseshoe Crabs in Northern Coast of Java and Southern Coast of Madura. <i>IOP Conf. Series: Earth and Environmental Science</i>, 54: 1-8.</p> <p>Safarini D, Mashar A. 2017. Kematangan Gonad dan Potensi Reproduksi Ikan Banyar (<i>Rastrelliger kanagurta</i>, Cuvier 1817). <i>Jurnal Pengelolaan Perikanan Tropis</i>, 1(1): 11-17.</p> <p>Wardiatno Y, Qonita Y, Mursalin, Zulmi R, Effendi H, Krisanti M, Mashar A, Hariyadi S, Hakim AA, Sahidin A, Widigdo B, Nursiyamah S. 2017. Determining Ecological Status of Two Coastal Waters in Western Java using Macrozoobenthic Community: A Comparison between North Part and South Part. <i>IOP Conf. Series: Earth and Environmental Science</i>, 54: 1-13.</p> <p>Zairion, Islamiati N, Wardiatno Y, Mashar A, Wahyudin RA, Hakim AA. 2017. Dinamika Populasi Lobster Pasir (<i>Panulirus homarus</i> Linnaeus, 1758) Di Perairan Palabuhan Ratu Jawa Barat. <i>Jurnal Penelitian Perikanan Indonesia</i>, 23(3): 215-226.</p> <p>Wahyudin RA, Hakim AA, Qonita Y, Boer M, Farajallah A, Mashar A, Wardiatno Y. 2017. Lobster diversity of Palabuhanratu Bay, South Java, Indonesia with new distribution record of <i>Panulirus ornatus</i>, <i>P. polyphagus</i> and <i>Parribacus antarcticus</i>. <i>AAAL Bioflux</i>, 10(2): 308-327.</p> <p>Pramuhadi G, Wardiatno Y, Mashar A. 2017. Design of Hippoid Crabs Catcher Based on Its Characteristics. <i>Proceedings of Agricultural Engineering for Sustainable Agriculture Production</i>: 28-32.</p>
Activities in specialist bodies over the last 5 years	-

Name	Dr. Ir. Rahmat Kurnia, M.Si.		
Post	Division of Fisheries Resources Management		
Academic career	Initial academic appointment	Institution	Year
	Doctorate	IPB University	2011
	Master degree	IPB University	2001
	Undergraduate degree	IPB University	1991
Employment	Lecturer	Dept. MSP, FPIK, IPB University	1993-now
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years			
Patents and proprietary rights			
Important publications over the last 5 years	<p>ND Yanti, R Kurnia, A Mashar, Y Mardyani, L Lindawati. 2022. Management status of blue swimming crab (<i>Portunus pelagicus</i> Linnaeus, 1758) based on EAFM in the coastal of Pangkep Regency, South Sulawesi. IOP Conference Series: Earth and Environmental Science 967 (1), 012022</p> <p>R Kurnia, M Boer. 2021. Length Based-Spawning Potential Ratio (LB-SPR), on exploited demersal stock (<i>Priachantus tayenus</i>) in small scale fisheries, Sunda Strait. IOP Conference Series: Earth and Environmental Science 744 (1), 012103</p> <p>Yonvitner, E Yuliana, DE Yani, LE Setijorini, Nurhasanah, A Santoso. 2021. Effect of silent tsunami sunda strait to fisheries activity: Record from labuan landing port, pandeglang. AIP Conference Proceedings 2320 (1), 040027</p> <p>R Kurnia, M Boer. 2021. Life History and Length Based-Spawning Potential Ratio (LB-SPR) of Exploited Demersal Fish Stock (<i>Upeneus</i> sp) in Sunda Strait. IOP Conference Series: Earth and Environmental Science 718 (1), 012074</p> <p>B Pamungkas, R Kurnia, E Riani. 2021. Potential plastic waste input from Citarum River, Indonesia. Aquaculture, Aquarium, Conservation & Legislation 14 (1), 103-110</p> <p>M Boer, R Kurnia. 2021. Length based data of <i>Nemipterus japonicus</i> to spawning potential ratio (SPR) estimation on small scale fisheries (SSF) management in Sunda Strait. IOP Conference Series: Earth and Environmental Science 674 (1), 012002</p> <p>F Rumagia, M Boer, R Kurnia, MM Kamal. 2020. Perspective on management strategic for sustainable development of coral reef fisheries at Ternate Island through ecosystem-based management approach. IOP Conference Series: Earth and Environmental Science 584 (1), 012036</p> <p>Y Yonvitner, J Lloret, M Boer, R Kurnia, SG Akmal, E Yuliana, DE Yani. 2020. Vulnerability of marine resources to small-scale fishing in a tropical area: The example of Sunda Strait in Indonesia. Fisheries Management and Ecology 27 (5), 472-480</p>		

	<p>R Kurnia, L Mani. 2020. An overview of reef fish catching seasonal patterns in the coastal waters of Spelman Strait, in Central Buton Regency, Indonesia. <i>Aquaculture, Aquarium, Conservation & Legislation</i> 13 (4), 2218-2227</p> <p>F Rumagia, M Boer, R Kurnia, MM Kamal. 2020. Sustainability window approach for fisheries management at the coastal area of Ternate Island, North Maluku Province. <i>Indonesian Journal of Urban and Environmental Technology</i> 3, 136-148</p> <p>I Cahyadinata, A Fahrudin, R Kurnia. 2020. Evaluation of mud crab utilization in the small outermost island: A case study of Enggano Island, Bengkulu Province, Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> 420 (1), 012008</p> <p>R Kurnia. 2020. Diversity of coral reef fish in the coastal water of Spelman Straits, Southeast Sulawesi. <i>IOP Conference Series: Earth and Environmental Science</i> 420 (1), 012021</p> <p>E Yuliana, DE Yani, LE Setijorini, A Santoso, M Boer, R Kurnia, SG Akmal. 2020. Fishing gear productivity related fishing intensity and potency of stock vulnerability in Sunda strait. <i>IOP Conference Series: Earth and Environmental Science</i> 404 (1), 012066</p> <p>R Kurnia. 2019. Coral reefs status and fish species in coastal waters of Spelman Straits, Southeast Sulawesi, Indonesia. <i>Aquaculture, Aquarium, Conservation & Legislation</i> 12 (5), 2020-2029</p> <p>I Cahyadinata, A Fahrudin, R Kurnia. 2019. Food security and multidimensional poverty of mud crab fishermen household in small and outer islands of Indonesia. Case study: Enggano island, Bengkulu province. <i>Aquaculture, Aquarium, Conservation & Legislation</i> 12 (4), 1196-1207</p> <p>R Kurnia, K Soewardi, I Setyobudiandi, AH Dharmawan. 2019. Small scale capture fisheries sustainability analysis using emergy (embodied energy) approach. <i>IOP Conference Series: Earth and Environmental Science</i> 278 (1), 012067 1</p> <p>I Cahyadinata, A Fahrudin, R Kurnia. 2019. Household welfare of mud crab fishermen in small outermost islands. Case study: Enggano Island, Bengkulu Province, Indonesia. <i>Aquaculture, Aquarium, Conservation & Legislation</i> 12 (2), 564-574</p> <p>R Kurnia, K Soewardi, I Setyobudiandi, AH Dharmawan. 2019. A regional fisheries ecological footprint of Jakarta Bay (An analysis of carrying capacity based on primary production requirement). <i>IOP Conference Series: Earth and Environmental Science</i> 241 (1), 012016</p> <p>R Perangin-Angin, R Kurnia, A Fahrudin, A Suman. 2018. Fishery sustainability study with sustainability window (SuWi) analysis in the South China Sea (Indonesia fisheries management area 711). <i>IOP Conference Series: Earth and Environmental Science</i> 176 (1), 012036</p>
<p>Activities in specialist bodies over the last 5 years</p>	

Name	Dr. Fery Kurniawan, S.Kel, M.Si.		
Post	Division of Fisheries Resources Management		
Academic career	Initial academic appointment	Institution	Year
	Assistant Professor	IPB University	2019
	Doctorate (Coastal and Marine Resources Management)	IPB University	2017
	Master degree (Coastal and Marine Resources Management)	IPB University	2011
	Undergraduate degree (Marine Science)	IPB University	2007
Employment	Assistant Professor	Department of Aquatic Resources Management, IPB University	2019 – now
	Head of Smart Technology and Data Management Division	Center for Coastal and Marine Resources Studies, IPB University	2021 – now
Research and development projects over the last 5 years	<ul style="list-style-type: none"> - <i>Supporting the Operationalization of Multi Stakeholder Platform for Fisheries in Indonesia Fisheries Management Area (WPPNRI); 2020 – 2021; UNDP; USD 47,704.43.</i> - <i>Design of Integrated Coastal Management in Supporting the Acceleration of RZWP-3-K Implementation in West Papua Province); 2020 – 2022; ICCTF-Bappenas; USD 869,000.</i> - <i>Sustainability Modelling of Social-Ecological System on Small Islands in Marine Cultural Ecosystem Services Perspective: Case of Tidung Island, DKI Jakarta; 2019; Demand Driven Research Fund (DDRF) LIPI; IDR 130,000,000.</i> - <i>Study of Institutions and Economic Performance in New Marine Protected Area Supported Incentive Program in Toli-toli, Central Sulawesi; 2019 – 2020; Yayasan Strategi Konservasi Indonesia (Conservation Strategy Fund/CSF Indonesia); IDR 100,000,000.</i> - <i>White Paper for Ecotourism and Debris Management in Jakarta Bay; 2018; Yayasan KEHATI; IDR 100,000,000.</i> - <i>Study of the Sustainability and Carrying Capacity of Small Island Socio-Ecological Systems in the Perspective of Marine Cultural Ecosystem Services: The Case of the Tidung Islands; 2018; Demand Driven Research Grant (DDRG) LIPI; IDR 250,000,000.</i> 		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	-		
Important publications over the last 5 years	<ul style="list-style-type: none"> - <i>Status of seagrass ecosystem appreciation in social-ecological perspective using flag modelling: evidence in Bintan Island, Indonesia. AACL Bioflux, 15(1) 2022 415-423.</i> 		

- *Seagrass rehabilitation in Thousand Islands, Jakarta: step to restore. IOP Conf. Series: Earth and Environmental Science 967 (2022) 012004 IOP Conf. Series: Earth and Environmental Science 967 (2022) 012004.*
- *Seagrass, dugong, and people: Lessons learned from community-based conservation in Tolitoli Regency, Sulawesi Tengah, Indonesia. IOP Conf. Series: Earth and Environmental Science 967 (2022) 012032 doi:10.1088/1755-1315/967/1/012032.*
- *Assessing social-ecological system carrying capacity for urban small island tourism: The case of Tidung Islands, Jakarta Capital Province, Indonesia. Ocean and Coastal Management 212 (2021) 105844 doi: 10.1016/j.ocecoaman.2021.105844.*
- *The estimation of the coastal fisheries resources quantity based on waterbirds in the Ujung Pangkah Region, Gresik Regency, East Java. IOP Conf. Series: Earth and Environmental Science 744 (2021) 012006 doi:10.1088/1755-1315/744/1/012006.*
- *Algae bloom phenomenon in Jakarta Bay as symptoms of severe eutrophication: Monitoring results of 2014-2016. IOP Conf. Series: Earth and Environmental Science 744 (2021) 012009 doi:10.1088/1755-1315/744/1/012009.*
- *Eutrophication in a tropical estuary: Is it good or bad? IOP Conf. Series: Earth and Environmental Science 744 (2021) 012010 doi:10.1088/1755-1315/744/1/012010.*
- *Coral reef ecosystems condition prediction after tsunami based on previous reef fish community structure and benthic coverage surveillance on Sumur, Banten. IOP Conf. Series: Earth and Environmental Science 744 (2021) 012053 doi:10.1088/1755-1315/744/1/012053.*
- *Coastal resources degradation in Tangerang, Banten Province: State and management action. IOP Conf. Series: Earth and Environmental Science 744 (2021) 012057 doi:10.1088/1755-1315/744/1/012057.*
- *Socio-Ecological System perspective of seagrass ecosystem in Wakatobi. IOP Conf. Series: Earth and Environmental Science 744 (2021) 012078 doi:10.1088/1755-1315/744/1/012078.*
- *A New Marine Biomaterial: The Shell of Mangrove Horseshoe Crabs, Carinoscorpius rotundicauda (Latreille, 1802) Emphasizing Its Physico-Chemical Characteristics. Front. Mar. Sci. 8:612016. doi: 10.3389/fmars.2021.612016.*
- *Causes and Effects of Mangrove Ecosystem Damage on Carbon Stocks and Absorption in East Java, Indonesia. Sustainability 122, 319. doi:10.3390/su122410319.*
- *The Impact of Tsunami on Seagrass Ecosystem in Tanjung Lesung, Banten, Indonesia. Omni-Akuatika, Special Issue 3rd Kripik SCiFiMaS 2020, 78-82.*
- *Magnitudes and tourist perception of marine debris on small tourism island: Assessment of Tidung Island, Jakarta, Indonesia. Marine Pollution Bulletin 158 (2020) 111393. doi.org/10.1016/j.marpolbul.2020.111393.*
- *Coastal phytoplankton pigments composition in three tropical estuaries of Indonesia. Journal of Marine Science and Engineering 8, 311 (2020). doi:10.3390/jmse8050311.*
- *Abundance and spatial distribution of reef fish based on coral lifeforms at Tidung Island, Seribu Islands, Jakarta Bay. AACL Bioflux 13(2) (2020) 36-745.*
- *Community leader perspectives on the utilization of seagrass ecosystem for marine tourism in Toli-toli, Central Sulawesi, Indonesia. IOP Conf. Series: Earth and Environmental Science 420 (2020) 012029. doi:10.1088/1755-1315/420/1/012029.*
- *Seagrass existence after Sunda Strait tsunami 2018: Evidence in Tanjung Lesung region. IOP Conf. Series: Earth and Environmental Science 420 (2020) 012024. doi:10.1088/1755-1315/420/1/012024.*
- *Participatory mapping: Assessing problems and defined marine conservation planning and zoning in Jor Bay, Indonesia. IOP Conf. Series: Earth and*

	<p><i>Environmental Science</i> 414 (2020) 012001. doi:10.1088/1755-1315/414/1/012001.</p> <ul style="list-style-type: none"> - <i>An ecosystem services perspective for the economic value of seafood production supported by seagrass ecosystems: An exercise in Derawan Island, Indonesia. IOP Conf. Series: Earth and Environmental Science</i> 414 (2020) 012008. doi:10.1088/1755-1315/414/1/012008. - <i>Rediscovering Halophila major (Zollinger) Miquel (1855) in Indonesia. Aquatic Botany</i> 161 (2020) 103171. doi.org/10.1016/j.aquabot.2019.103171. - <i>Diversity and abundance of gastropods in the intertidal zone of Watukarung, Indonesia. Marine Research Indonesia</i> 44(1) (2019) 19-26. DOI: 10.14203/mri.v44i1.529. - <i>Phytochemical profile of sea grass extract (Enhalus acoroides): A new marine source from Ekas Bay, East Lombok. IOP Conf. Series: Earth and Environmental Science</i> 278 (2019) 012081. doi:10.1088/1755-1315/278/1/012081. - <i>The social-ecological status of small islands: An evaluation of island tourism destination management in Indonesia. Tourism Management Perspectives</i> 31 (2019) 136-144. - <i>Pressures and status of seagrass ecosystem in the coastal areas of North Bintan, Indonesia. E3S Web of Conferences</i> 47 (2018) 04008. doi.org/10.1051/e3sconf/20184704008. - <i>Need of tourism management in Gili Labak Island, Sumenep: Euphoria of new tourism destination. Coastal and Ocean Journal</i>, 1(2) (2017) 7-15. - <i>Biocapacity in the Gili Matra Region: A spatial assessment of the carrying capacity of small islands, Omniakuatika</i>, 13(2), 2017, 39-47. 						
<p>Activities in specialist bodies over the last 5 years</p>	<table border="1"> <thead> <tr> <th data-bbox="496 1025 794 1059"><i>Organisation</i></th> <th data-bbox="794 1025 1082 1059"><i>Role</i></th> <th data-bbox="1082 1025 1417 1059"><i>Period</i></th> </tr> </thead> <tbody> <tr> <td data-bbox="496 1070 794 1167"><i>Professional Certification Institute, BRIN</i></td> <td data-bbox="794 1070 1082 1227"><i>Competency Assessor of Coastal Ecosystem Evaluator (No. Reg. MET. 000. 003102 2021)</i></td> <td data-bbox="1082 1070 1417 1104"><i>4 June 2021 – 3 June 2023</i></td> </tr> </tbody> </table>	<i>Organisation</i>	<i>Role</i>	<i>Period</i>	<i>Professional Certification Institute, BRIN</i>	<i>Competency Assessor of Coastal Ecosystem Evaluator (No. Reg. MET. 000. 003102 2021)</i>	<i>4 June 2021 – 3 June 2023</i>
<i>Organisation</i>	<i>Role</i>	<i>Period</i>					
<i>Professional Certification Institute, BRIN</i>	<i>Competency Assessor of Coastal Ecosystem Evaluator (No. Reg. MET. 000. 003102 2021)</i>	<i>4 June 2021 – 3 June 2023</i>					

Name	Agus Alim Hakim, S.Pi., M.Si.
Post	Division of Fisheries Resources Management
Academic career	<p>Master degree (Coastal and Marine Resources Management) IPB University 2015</p> <p>Undergraduate degree (Fisheries) IPB University 2014</p>
Employment	Lecturer IPB University 2019-now
Research and development projects over the last 5 years	<ul style="list-style-type: none"> - Universal Primer of Cytochrome Oxidase Subunit 1(COI) Partial Gene for DNA Barcoding of Aquatic Biota. 2021. 28,000,000 IDR - Molecular identification of pomfret fish production by Batam Marine Cultivation Fishery Center. 2021. 20,000,000 IDR
Industry collaborations over the last 5 years	-
Patents and proprietary rights	-
Important publications over the last 5 years	<p><i>Recent publications: 16 publications.</i></p> <p>Kurnia R., Muis, Hakim A.A. (2021): What's wrong with the coastal waters of Spelman Strait, Indonesia: Sustainable reef fisheries management is required. <i>Journal of Natural Resources and Environmental Management</i>. 11(3): 408-418. http://dx.doi.org/10.29244/jpsl.11.3.408-418</p> <p>Heirina A., Krisanti M., Butet N.A., Wardiatno Y., Köpper S., Hakim A.A., Kleinertz S. (2021): Ectoparasites of blue swimming crabs (<i>Portunus pelagicus</i>) from Demak and East Lampung, Java Sea Indonesia. <i>IOP Conf. Series: Earth and Environmental Science</i>. 744: 012026.</p> <p>Mashar A., Firdausyia A.P.N., Krisanti M., Hakim A.A. (2021): Biodiversity of macroinvertebrate in artificial substrate from several habitats at Poneo Island, Gorontalo. <i>IOP Conf. Series: Earth and Environmental Science</i>. 744: 012044.</p> <p>Wardiatno Y., Aziz A., Zairion, Meilana L., Hakim A.A. (2021): A morphometric approach into mackerel (<i>Rastrelliger spp.</i>) diversity in Fisheries Management Area 711 as a management base. <i>IOP Conf. Series: Earth and Environmental Science</i>. 744: 012096.</p> <p>Zairion, Pardhini V., Hakim A.A., Wardiatno Y. (2021): A note on the investigation of morphometric differentiation among mantis shrimp (Stomatopods) in South Madura Waters, Indonesia. <i>IOP Conf. Series: Earth and Environmental Science</i>. 744: 012109.</p> <p>Meilana L., Hakim A.A., Fang Q. (2021): Nursery habitat of three species of juvenile Asian horseshoe crabs in Teritip Beach, East Kalimantan, Indonesia: characterization and implication, <i>Global Ecology and Conservation</i>, https://doi.org/10.1016/j.gecco.2021.e01453.</p> <p>Krisanti M., Ramadhan B.F., Mashar A., Butet N.A., Hakim A.A., Wardiatno Y. (2020): Mole crab phylogenetics relationship analysis in Parangkusumo and Ketawang Beach Waters. <i>IOP Conf. Series: Earth and Environmental Science</i>. DOI: 10.1088/1755-1315/420/1/012018.</p> <p>Hakim A.A., Bagaskoro B., Mashar A., Farajallah A., Wardiatno Y. (2020): Morphology and molecular identification on octopus (Genus <i>Octopus</i> Cuvier, 1798)</p>

	<p>caught in Palabuhanratu, Sukabumi, West Java. IOP Conf. Series: Earth and Environmental Science. DOI: 10.1088/1755-1315/420/1/012011.</p> <p>Krisanti M., Sofirma A., Hakim A.A, Farajallah A., Wardiatno Y, Mashar A. (2020): Secondary productivity of small Crustacea, Neosesarma sp. in Bintan Island waters, Riau Islands. IOP Conf. Series: Earth and Environmental Science. DOI: 10.1088/1755-1315/420/1/012017.</p> <p>Zairion, Fauziah, Riani E., Hakim A.A., Mashar A., Madduppa H., Wardiatno Y. (2020): Morphometric character variation of the blue swimming crab (<i>Portunus pelagicus</i> Linnaeus, 1758) population in western and eastern part of Java Sea. IOP Conf. Series: Earth and Environmental Science. DOI: 10.1088/1755-1315/420/1/012034.</p> <p>Hakim A.A., Kamal M.M., Butet N.A., Affandi R. (2020): Determination of fisheries refugia area for freshwater eels (<i>Anguilla</i> spp.) in Palabuhanratu bay, West Java, Indonesia. IOP Conf. Series: Earth and Environmental Science 404 DOI: 10.1088/1755-1315/404/1/012014.</p> <p>Hakim A.A., Kamal M.M., Butet N.A., Affandi R. (2020): Taxonomic status investigation of freshwater eels (<i>Anguilla</i> spp.) based on the molecular marker in seven rivers that flow to Palabuhanratu Bay, Indonesia. IOP Conf. Series: Earth and Environmental Science. DOI: 10.1088/1755-1315/420/1/012012.</p> <p>Hakim A.A., Kurniavandi D.F., Mashar A., Butet N.A., Zairion, Madduppa H., Wardiatno Y. (2020): Study on stock structure of Indian mackerel (<i>Rastrelliger kanagurta</i> Cuvier, 1816) in Fisheries Management Area 712 of Indonesia using morphological characters with Truss Network Analysis approach. IOP Conf. Series: Earth and Environmental Science. DOI: 10.1088/1755-1315/414/1/012006.</p> <p>Zairion, Hakim A.A., Mashar A., Widigdo B., Fahrudin A., Wardiatno. (2019): New record of <i>Pseudoporcellanella manoliensis</i> Sankarankutty, 1961 (Crustacea: Decapoda: Porcellanidae) from Indonesian waters. <i>Natura Croatica</i>. DOI: 10.20302/NC.2019.28.12.</p> <p>Darmarini A.S., Soewardi K., Prartono T., Hakim A.A., Nursiyamah S., Wardiatno Y. (2019): New distribution record of the soldier crab, <i>Dotilla myctiroides</i> (Milne-Edwards) from Lubuk Damar Coast, Aceh Province, Indonesia. <i>AAFL Bioflux</i>.</p> <p>Zairion, Hakim A.A., Mashar A., Fahrudin A., Adrianto L., Widigdo B., Wardiatno Y. (2018): Diversity and distribution of Dorippid Crabs (Brachyura: Dorippidae) in East Coast of Lampung, Indonesia. IOP Conf. Series: Earth and Environmental Science. DOI: 10.1088/1755-1315/149/1/012056.</p>
<p>Activities in specialist bodies over the last 5 years</p>	

