

## DAFTAR PUSTAKA

- Ardli, E.R., & Wolff, M., 2008. Quantifying Habitat and Resource Use Changes in the Segara Anakan Lagoon (Cilacap, Indonesia) over the Past 25 Years (1978-2004). *Asian Journal of Water, Environment and Pollution*, 5(4), pp.59-67.
- Ashton, E.C., Macintosh, D.J., & Hogarth, P. J., 2003. A baseline Study of The Diversity and Community Ecology of Crab and Molluscan Macrofauna in The Sematan Mangrove Forest, Sarawak, Malaysia. *Journal of Tropical Ecology*, 19(2), pp.127-142.
- Attrill, M.J., & Deplege, M.H., 1997. Community and Population Indicators of Ecosystem Health, Targeting Links Between Levels of Biological Organisation. *Aquatic Toxicology*, Volume 38(1-3), pp.183-197.
- Baudry, O., Charmetant, C., Collet, C., & Ponette, Q., 2014. Estimating Light Climate in Forest With The Convex Densimeter, Operator effect, Geometry and Relation to Diffuse Light. *Eur J Forest Res*, 133(1), pp.101-110.
- Bennett, E.L. & Reynolds, C.J., 1993. The Value of Mangrove Area in Sarawak. *Biodiversity Conservation*, 2(4), pp.359-375.
- Bosire, J.O., Dahdouh-Guebas, F., Kairo, J.G., Cannicci, S., & Koedam, N., 2004. Spatial Variations in Macrobenthic Fauna Recolonisation in a Tropical Mangrove Bay. *Biodiversity and Conservation*, 13(6), pp.1059-1074.
- Bosire, J.O., Kairo, J.G., Wartel, S., Kazungu, J., & Koedam, N., 2006. Success Rates of Recruited Tree Species and Their Contribution to The Structural Development of Reforested Mangrove Stands. *Marine Ecology Progress Series*, 325(1), pp.85-91.
- Bosire, J.O., Dahdouh-Guebas, F., Walton, M., Crona, B.I., Lewis, R.R., Field, C., Kairo, J.G., & Koedam, N., 2008. Functionality of Restored Mangroves: A Review. *Aquatic Botany*, 89(2), pp. 251-259.
- Brower, J.E., & Zar, J.H., 1977. *Field and Laboratory Method for General Ecology*. Dubuque: Wm. C. Brown Company.
- Cannicci, S., Burrows, D., Fratini, S., Smith, T.J., Offenber, J., & Dahdouh-Guebas, F., 2008. Faunal Impact on Vegetation Structure and Ecosystem Function in Mangrove Forests: A Review. *Aquatic Botany*, 89(2), pp.186-200.
- Carpenter, K.E., & Niem, V.H., 1998. *FAO Species Identification Guide for Fishery Purpose, the Living Marine Resource of the Western Central Pacific*. Rome: Food and Agriculture Organization of the United Nation.
- Chen, K., Hsu, J., & Ueng, Y., 2017. Population Structure and Fecundity of Two Species of Grapsid Crabs (Brachyura, Grapsidae) that Inhabit The Oyster Reefs of Western Taiwan. *Crustaceana*, 90(14), pp.1699-1714.

- Costa, T.M., & Negreiros-Fransozo, M.L., 2002. Population Biology of *Uca thayeri* Rathbun, 1900 (Brachyura, Ocypodidae) in a Subtropical South American Mangrove Area, Results from Transect and Catch Per Unit Effort Techniques.. *Crustaceana*, 75(10), pp.1201-1218.
- Crane, J., 1975. *Fiddler Crabs of The World. Ocypodidae, Genus Uca*. Princeton: Princeton University Press.
- Davie, P.J.F., 1990. New and Rare Crabs of The Subfamily Dotillinae (Crustacea, Ocypodidae) from Northern Australia and Papua New Guinea. *Memoirs of The Queensland Museum*, 28(2), pp.463-473.
- Davie, P.J.F., 1992. Revision of *Sarmatium* Dana (Crustacea, Brachyura, Sesarminae) With Descriptions of Three New Species. *Memoirs of The Queensland Museum*, 32(1), pp.79-97.
- Davie, P.J.F., 1994. Revision of *Neosermatium* Srene and Soh (Crustacea, Brachyura, Sesarminae) With Descriptions of Two New Species. *Memoirs of The Queensland Museum*, 35(1), pp.35-74.
- Davie, P.J.F., 2010. A New Species of *Perisesarma* (Brachyura, Sesarmidae) from Western Australia. *Studies on Malacostraca: Lipke Bijdeley Holthuis Memorial Volume*, 14, pp.195-207.
- Davie, P.J.F., 2012. A Review of *Macrophthalmus sensu lato* (Crustacea, Decapoda, Macrophthalmidae) from Australia, Including Two New Species and New Records. *Nature*, 56(1), pp.149-219.
- de Oliveira Silva, F.M.R., Ribeiro, F.B., & Bezerra, L.E.A., 2016. Population Biology and Morphometric Sexual Maturity of The Fiddler Crab *Uca (Uca) maracoani* (Latreille, 1802)(Crustacea, Decapoda, Ocypodidae) in a Semi-arid Tropical Estuary of Northeastern Brazil. *Latin American Journal of Aquatic Research*, 44(4), pp.671-682.
- Dubey, S.K., Chakraborty, D.C., Bhattacharya, C., & Choudhury, A., 2014. Allometric Relationships of Red Ghost Crab *Ocypode macrocera* (H. Milne-Edwards, 1852) in Sundarbans Mangrove EcoRegion, India. *World Journal of Fish and Marine Sciences*, 6(2), pp.176-181.
- Ellison, A.M., 2000. Mangrove Restoration: Do We Know Enough?. *Restoration Ecology*, 8(3), pp.219-229.
- Ferreira, A.C., Ganade, G., & Attayde, J.L., 2015. Restoration Versus Natural Regeneration in a Neotropical Mangrove, Effects on Plant Biomass and Crab Communities. *Ocean & Coastal Management*, (110), pp.38-45.
- Fisher, R.A., 1930. *The Genetical Theory of Natural Selection*. Oxford:Oxford University.
- Giri, C., Ochieng, E., Tieszen, L.L., Zhu, Z., Singh, A., Loveland, T., Asek, J., & Duken, N., 2011. Status and Distribution of Mangrove Forests of the World Using Earth Observation Satellite Data. *Global Ecology Biogeography*, 20(1), pp.154-159.

- Hamidy, R., 2010. Struktur dan Keragaman Komunitas Kepiting di Kawasan Hutan Mangrove Stasiun Kelautan Universitas Riau, Desa Purnama Dumai. *Ilmu Lingkungan Journal of Enviromental Science*, 2(4), pp.81-91.
- Kalor, J.D., Dimara, L., Swabra, O.G., & Paiki, K., 2018. Status Kesehatan dan Uji Spesies Indikator Biologi Ekosistem Mangrove Teluk Yotefa Jayapura. *Biosfera*, 35(1), pp.1-9.
- Kauffman, J.B., & Donato, D.C., 2012. *Protocol for The Measurement, Monitoring, and Reporting of Structure, biomass and carbon stocks in Mangrove Forest*. Bogor: CIFOR.
- Koch, V., 1999. *Epibenthic Production and Energy Flow in The Caeté Mangrove Estuary, North Brazil*. Bremen: Zentrum für Marine Tropenökologie.
- Komai, T., & Wada, K., 2008. A Revision of The Estuarine Crab Genus *Ilyograpsus* Barnard, 1955 (Crustacea, Decapoda, Brachyura, Macrophthalmidae), with Descriptions of A New Genus and One New Species. *Raffles Bulletin of Zoology*, 56(2), pp.357-384.
- Krebs, C.J., 1972. *Ecology The Experimental Analysis of Distribution and Abundance*. New York: Herper & Row Publishers.
- Kristensen, E., 2008. Mangrove Crabs as Ecosystem Engineers, With Emphasis on Sediment Processes. *Journal of Sea Reaserch*, 59(1-2), pp.30-43.
- Lee, S.Y., 1998. Ecological Role of Grapsid Crabs in Mangrove Ecosystems: A Review. *Marine and Freshwater Research*, 49(4), pp.335–343.
- Lee, S.Y., & Kwok, P.W., 2002. The Importance of Mangrove Species Association to The Population Biology of The Sesarmino Crabs *Parasesarma affinis* and *Perisesarma bidens*. *Wetlands Ecology and Management*, 10(3), pp.215-226.
- Leigh Jr, E.G., 1970. Sex Ratio and Differential Mortality Between The Sexes. *The American Naturalis*, 104(936), pp.205-210.
- Li, J.J., Rahayu, D.L., & Ng, P.K.L., 2018. Identity of The Tree-spider Crab, *Parasesarma leptosoma* (Hilgendorf, 1869) (Decapoda, Brachyura, Sesarminoidea), with Descriptions of Seven New Species from The Western Pacific. *Zootaxa*, 4482(3), pp.451-490.
- Mantelatto, F.L.M., Fransozo, A., & Negreiros-Fransozo, M.L., 1995. Population Structure of *Hepatus pudibundus* (Decapoda, Calappidae) in Fortaleza Bay, Brazil. *Revista de Biologia Tropical*, 43(1), pp.265-270.
- Negreiros-Fransozo, M.L., Mantelatto, F.L.M., & Fransozo, A., 1999. Population Biology of *Callinectes ornatus* Ordway, 1863 (Decapoda, Portunidae) from Ubatuba (SP). Brazil. *Scientia Marina*, 63(2), pp.157-163.
- Ng, P.K.L., Guinot, D., & Davie, P. J. F., 2008. Systema Brachyurorum: Part I An Annotated Checklist of Extant Brachyuran Crabs of The World. *The Raffles Bulletin of Zoology*, 17(1), pp.1-286.

- Nugroho, D.A., 2015. Taksonomi dan Hubungan Kekerabatan Kepiting Marga Perisesarma De Man, 1895. *Tesis*, Bogor: Institut Pertanian Bogor.
- Ostonen, I., Lõhmus, K., & Lasn, R., 1999. The Role of Soil Conditions in Fine Root Ecomorphology in Norway Spruce (*Picea abies* (L.) Karst.). *Plant and Soil*, 208(2), pp.283-292.
- Pratiwi, R., & Rahmat, 2015. Sebaran Kepiting Mangrove (Crustacea, Decapoda) yang Terdaftar di Koleksi Rujukan Pusat Penelitian Oseanografi LIPI 1960-1970. *Berita Biologi*, 14(2), pp.195-202.
- Rahayu, D.L., & Nugroho, D.A., 2012. The Indonesian Species of Macrophthalmus Desmarest, 1823, with The Description of A New Species (Crustacea, Decapoda, Brachyura, Macrophthalmidae). *Zootaxa*, 36(3158), pp.20-36.
- Rahayu, D.L., & Davie, P.J.F., 2002. Two New Species and A New Record of Perisesarma (Decapoda, Brachyura, Grapsidae, Sesarminae) from Indonesia. *Crustaceana*, 75(3-4), pp.597-607.
- Rahayu, D.L., & Davie, P.J.F., 2006. Two New Species of Mangrove Crabs of The Genus Neosermatium Serene & Soh, 1970 (Decapoda, Brachyura, Sesarmidae) from Papua, Indonesia. *Zoosystema*, 28(2), pp.573-584.
- Rahayu, D.L., & Ng, P.K.L., 2003. The Camptandriidae of Irian Jaya, Indonesia, Including The Description of Two New Species (Decapoda, Brachyura). *Journal of Crustacean Biology*, 23(4), pp.951-962.
- Rahayu, D.L., & Ng, P.K.L., 2005. On Two New Species of Genera Haberma and Parasesarma (Crustacea, Decapoda, Brachyura, Sesarmidae) from Papua, Indonesia. *Zoologische Mededelingen Leiden*, 79(2), pp.167-178.
- Rahayu, D.L., & Setyadi, G., 2009. *Mangrove Estuary Crabs of the Mimika Region, Papua, Indonesia*. Jakarta: PT Feeport Indonesia.
- Ribeiro, F.B., & Bezerra, L.E.A., 2014. Population Ecology of Mangrove Crabs in Brazil: Sesarmid and Fiddler Crabs. *Crabs Global Diversity, Behavior and Environmental threats*. Nova Publishers, New York, 2, pp.19-56.
- Richards, D.R., & Friess, D.A., 2016. Rates and Drivers of Mangrove Deforestation in Southeast Asia, 2000–2012. *Proceedings of the National Academy of Sciences of the United States of America*, 113(2), pp.344-349.
- Robertson, A.I., 1986. Leaf-burying Crabs: Their Influence on Energy Flow and Export from Mixed Mangrove Forests (*Rhizophora* spp.) in Northeastern Australia. *Journal of Experimental Marine Biology and Ecology*, Volume 102(2-3), pp.237-248.
- Robertson, A.I., 1991. Plant-animal Interactions and The Structure and Function of Mangrove Forest Ecosystems. *Australian Journal of Ecology*, 16(4), pp.433-443.
- Santhanam, R., 2018. *Biology and Culture of Portunid Crabs of World Seas*. Waretown: Apple Academic.



- Sastranegara, M. H., Fermon, H., & Muhlenberg, M., 2003. Diversity and Abundance of Intertidal Crabs at the East Swamp Managed Areas in Segara Anakan Cilacap, Central Java, Indonesia. *Proceeding Technological and Institutional Innovations for Sustainable Rural Development Deutscher Tropentag, October 8-10, 2003, Göttingen*, pp.1-8.
- Satheeshkumar, P., 2012. Mangrove Vegetation and Community Structure of Brachyuran Crabs as Ecological Indicators of Pondicherry Coast, South East Coast of India. *Iranian Journal of Fisheries Sciences*, 11(1), pp.184-203.
- Serene, R., 1974. Note on The Genera and Species of The Camptandrinae Stimpson 1858 (Decapoda, Brachyura, Ocypodidae). *Treubia*, 28(3), pp.59-68.
- Serene, R., & Soh, C.L., 1970. New Indo-Pacific Genera Allied to *Sesarma* Say 1817 (Brachyura, Decapoda, Crustacea). *Treubia*, 27(4), pp.387-416.
- Shahdadi, A., & Schubart, C.D., 2017. Taxonomic Review of *Perisesarma* (Decapoda, Brachyura, Sesarmidae) and Closely Related Genera Based on Morphology and Molecular Phylogenetics: New Classification, Two New Genera and The Questionable Phylogenetic Value of The Epibranchial Tooth. *Zoological Journal of the Linnean Society*, 182(3), pp.137-146.
- Sillanpaa, M., Vantellingen, J., & Friess, D.A., 2017. Vegetation Regeneration in a Sustainably Harvested Mangrove Forest in West Papua, Indonesia. *Forest Ecology and Management*, 390(1), pp.137-146.
- Silva, S.M.J., & Chacur, M.M., 2002. Population Biology of *Sesarma rectum* Randall, 1840 (Decapoda, Grapsoidea, Sesarmidae) at Itamambuca Mangrove in Northern Littoral of Sao Paulo State, Brazil. *Naupilus*, 10(1), pp.47-54.
- Skilleter, G.A., & Warren, S., 2000. Effects of Habitat Modification in Mangroves on The Structure of Mollusc and Crabs Assemblages. *Journal of Experimental Marine Biology and Ecology*, 244(1), pp.107-129.
- Šmilauer, P., & Lepš, J., 2014. *Multivariate Analysis of Ecological Data Using CANOCO 5*. Cambridge: Cambridge University.
- Smith III, T. J., 1987. Seed Predation in Relation to Tree Dominance and Distribution in Mangrove Forest. *Ecological Society of America*, 68(2), pp.266-273.
- Wenner, A.M., 1972. Sex Ratio as a Function of Size in Marine Crustacea. *The American Naturalist*, 106(949), pp.321-350.
- Yun, T.A., & Zhi, S.Y., 1984. Macrophthalamus (Decapoda, Brachyura) of The Seas of China. *Crustacean*, 46(1), pp.76-86.
- Zalindri, M. & Sastranegara, M.H., 2015. Struktur Komunitas Kepiting Intertidal pada Mangrove yang Terdegradasi di Segara Anakan Cilacap. *Biosfera*, 32(3), pp. 154-161.