



## DAFTAR PUSTAKA

- Agajanian, J., Rockwell, G.L., Hayes, P.D. 1995. Southern Great Basin from Mexican Border to Mono Lake Basin, and Pacific Slope Basins From Tijuana River to Santa Maria River. *Water Resource Data* : 1-11
- Alves, A.M., Gestinari, L.M.D.S., Moura, C.W.N., Moniz-Brito, K.L. 2012. The Genus Cladophora (Chlorophyta) in the littoral of Bahia, Brazil. *Nova Hedwigia*, 95 (3) : 337-372
- Ayhuan, H.V. Neviaty, P.Z., Dedi, S. 2017. Analisis Struktur Komunitas Makroalga Ekonomis Penting di Perairan Intertidal Manokwari, Papua Barat. *Jurnal Teknologi Perikanan dan Kelautan*, 8 (1) : 19-38
- Ballent, A., Purser, A., de Jesus Mendes, P., Pando, S., Thomsen, L. 2012. Physical transport properties of marine microplastic pollution. *Biogeosciences Discussions*, 9 (12) : 18755-18798
- Ballesteros, E., Pinedo, S., Arevalo, R. 2007. Comments on the development of new macroalgal indices to assess water quality within the Mediterranean Sea : A reply. *Marine Pollution*, 54 :628-630
- Boerger, C.M., Lattin, G.L., Moore, S.L. 2010. Plastic ingestion by planktivorous fishes in the North Pacific Central Gyre. *Marine Pollution Bulletin* , 60 : 2275-2278
- Bonanno, G., Martina, O. 2018. Ten inconvenient questions about plastics in the sea. *Environmental Science and Policy*, 85:146-154.
- Coyle, R., Gary, H., Kieran, O. 2020. Microplastics in the marine environment : A review of their sources, distribution processes, uptake and exchange in ecosystems. *Case Studies in Chemical and Environmental Engineering*, 2 :1-7
- Crowe, T.P., Thompson, R.C., Bray, S., Hawkins, S.J. 2000. Impacts of anthropogenic stress on rocky intertidal communities. *Journal Aquatic Ecosystem Stress Recovery*, 7 : 273-297.



Dawes, J.C. 1981. *Marine Botany*. New York. A Wiley Intercience Publication John Wiley and Sons, Inc.

Dewi, I.S., Budiarsa, A.A., Ritonga, I.R. 2015. Distribusi Mikroplastik pada Sedimen di Muara Badak, Kabupaten Kutai Kartanegara. *Depik*, 4(3):121-131

Febriani, I.S., Bintal, A. Fauzi, M. Distribusi mikroplastik di perairan Pulau Bengkalis Kabupaten Bengkalis Provinsi Riau. *Jurnal Ilmu-Ilmu Perairan, Pesisir dan Perikanan*, 9(3) : 386-392.

Feng, Z., Tao, Z., Huahong, S., Kunshan, G., Wei, H., Juntian, X., Jiaxuan, W., Rui, W., Ji, L., Guang, G. 2020. Microplastics in bloom-forming macroalgae : Distribution, characteristics and impacts. *Journal of Hazardous Materials*, 397 : 1-12

Fortsner, U., Prosi, F. 1979. *Heavy Metal Pollution in Freshwater Ecosystem in Rvera*. Ed. Biological Aspects Freshwater Pollution.

Galgani, F., Hanke,G., Maes, T. 2015. *Global distribution, composition and abundance of marine litter*. Springer pp:29-56

Gan, S.X., Tay, Y.C., Huang, D. 2019. Effects of macroalgal morphology on marine epifaunal diversity. *Journal of the Marine Biological Association of the United Kingdom*, 99(88) : 1697-1707.

Gan, Z., Zhang, H. 2019. PMBD: a Comprehensive Plastics Microbial Biodegradation Database. *Database*, 2019.

Gao, F., Li, J., Hu, J., Sun, C. 2020. Occurrence of microplastics carried on *Ulva prolifera* from the Yellow Sea, China. *Case Studies in Chemical and Environmental Engineering*, 2 : 1-6

GESAMP Joint Group of Expert on the Scientific Aspects of Marine Environmental Protection. 2015. Source, Effect Microplastic in Marine Environment. *Journal Series GESAMP Report and Studies*, IMO.

Guinda, X., Juanes, J.A., Puente, A. 2014. The Quality of Rocky Bottoms index (CFR) : a validated method for the assessment of macroalgae recording to the European Water Framework Directive. *Marine Environment*, 102 : 3-10.



Hadisusanto, S., Shinta, C.D., Afra, M., Riswi, H., Ihda, Z.R.S. 2015. Macroalgal Abundance in Intertida; Zone of Sarangan Beach, Gunungkidul, DIY. *KnE Life Sciences*, 2 : 518-521.

Hamed, S.M., El-Rahman, A.A.A., Abdel-raouf, N. Ibraheem, I.B.M. 2018. Role of marine macroalgae in plant protection & improvement for sustainable agriculture technology. *Beni-Suef University Journal of Basic and Applied Sciences*, 7 : 104-110

Haryatfrehni, R., Shinta, C. D., Afra, M., Selvi, R., Ihda, Z.R.S. 2015. Preliminary Study the Potency of Macroalgae in Yogyakarta : Extraction and Analysis of Algal Pigments from Common Gunungkidul Seaweeds. *Procedia Chemistry*, 14 : 373-380

Horta, P.A., Amancio, E., Coimbra, C.S., Oliveira, E.C. 2001. Considerações sobre a distribuição e origem da flora de macroalgas marinhas brasileiras. *Hoehnea*, 28 : 243-255.

Heo, J.S., Park, S.K., Yoo J.N., Song, J.N., Kim, B.Y., Choi, H.G. 2011. Macroalgal community structure on the rocky shores of Ongdo, Jusamdo, and Woejodo Island of the Yellow Sea, Korea. *Fisheries and Aquatic Science*, 14 (4):389-397

Hidalgo-Ruz, V., Gutow, L., Thompson, R.C., Thiel, M. 2012. Microplastics in the marine environment : A review of the methods used for identification and quantification. *Environmental Science and Technology*, 46 (6) : 3060-3075

Imhof, H. K., Laforsch, C., Wiesheu, A. C., Schmid, J., Anger, P. M., Niessner, R., & Ivleva, N. P. (2016). Pigments and plastic in limnetic ecosystems: A qualitative and quantitative study on microparticles of different size classes. *Water Research*, 98, 64–74.

Jain, R.K., Urban, L.V., Stacey, G.S. 1977. *Environment Impact Analys*. 2<sup>nd</sup> ed. Van Nostrand Dept. Of interior. P. 222-231

Jambeck, J.R., Geyer, R., Wilcox, C., Siegler, T.R., Perryman, M., Andrady, A. Narayan, R., Law, k.L. 2015. Marine Pollution Plastic Waste Inputs from Land into The Ocean. *Science*, 347(6223) :768-771



Kasim, B. 2016. *Makroalga : Kajian Biologi, Ekologi, Pemanfaatan, dan Budidaya*. Jakarta. Penebar Swadaya. 6-7pp.

Kingfisher, J. 2011. Micro-Plastic Debris Accumulation on Puget Sound Beaches.  
*Port Townsend Marine Science Center*

Krebs, C.J. 1978. *Ecology : the Experimental Analysis of Distribution and Abundance*.  
New York. Harper and Row Publisher Inc.

Law, K.L., Moret-Ferguson, S. Maximenko, N.A., Prokurowski, G., Peacock, E.E.,  
Hafner, J., Reddy, C.M. 2010. Plastic accumulation in the North Atlantic  
subtropical gyre. *Science* , 329 (5996) : 1185-1188.

Lebreton, L.C.m., Zwet, J.V.D., Damsteeg, J.W., Slat,B., Andrady, A., Reisser,J.  
2017. River Plastic Emissions to the World's Oceans. *Nature Communications*,  
8(15611) : 1-10

Lobban, C.S., Harrison, P.J. 1994. *Seaweed Ecology and Physiology*. Cambridge  
University Press. 366p.

Lunning, K. 1990. *Seaweeds: Their Environment, Biogeography an Ecophysiology*.  
New York. John Willey and Sons.

Lusher, A.L., Welden, N.A., Sobral, P., Cole, M. 2017. Sampling, isolating and  
identifying microplastics ingested by fish and invertebrates. *Analytical methods*,  
9(1) : 1346-1360

Indrawan, M., Primack, R.B., Supriatna, J. 2012. *Biologi Konservasi*. Jakarta.  
Yayasan Pustaka Obor Indonesia.

Mamayev, O.I. 2010. Temperature-Salinity Analysis of World Ocean Waters.  
Amsterdan. Elsevier Science. P:10

Mateos-Cardenas, A., Frank, N.A.M., John, O. Marcel, A.K.J. 2021. Adsorption,  
uptake and toxicity of micro- and nanoplastics : Effects on terrestrial plants and  
aquatic macrophytes. *Environmental Pollution*, 284 : 1-10

McMahon, C.R. Holley, D., Robinson, S. 1999. The diet of itinerant male Hooker's  
sea lions, *Phocartos hookeri*, at sub-Antartic Macquarie Island. *Wildlife  
Research*, 26(6) : 839-846.



McNeish, R.E., Kim, L.H., Barrett, H.A., Mason, S.A., Kelly, J.J., Hoellein, T.J. 2017.

Microplastic in riverine fish is connected to species traits. *SCIENTIFIC REPORTS*, 6 :16-39.

Moll, B., Jill, D. 1995. *Enteromorpha clathrata* : A Potential Seawater-Irrigated Crop.  
*Bioresource Technology*, 52 : 225-260

Moore, C.J., Moore,S.L., Leecaster, M.K., Weisberg, S.B. 2001. A Comparison of plastic and plankton in the North Pasific Central Gyre. *Marine Pollution Bulletin*, 42 (12) : 1297-1300.

Na, Y.J., Kim, J.H., Kwon, C.J., Choi, H.G., Nam, K.W. 2015. Ecological status evaluation using seaweed community structures of Taean coastal areas in Korea. *Ocean and Polar Research*,37(4) :317-325

Nanthini, K., Raju, P., Santhanam, P. Perumal, P. 2022. Impacts of microplastics on marine organisms : Present perspectives and the way forward. *The Egyptian Journal of Aquatic Research* : 1-5

Nriagu, J.O. 1983. *Aquatic Toxicology*. Vol. 13. A Walley-interscience Publ. John Wiley and Sons. New York. P. 6.

Nurmiyati, 2013. Keragaman, Distribusi dan Nilai Penting Makroalga di Pantai Sepanjang Gunungkidul. *BIOEDUKASI*, 6 (1) : 12-21

Nybakken, J.W. 1992. *Biologi Laut : Suatu Pendekatan Ekologis*. Jakarta. PT. Gramedia Pustaka Utama.

Odum, E.P. 1971. *Fundamental of Ecology*. 3<sup>rd</sup> ed. WB. Saunders Co. Toronto. P:295-299

Ory, N.C., Sobral, P., Ferreira, J.L., Thiel, M. 2017. Amberstripe scad *Decapterus muroadsi* Carangidae fish ingest blue microplastics resembling their copepod prey along the coast of Rapa Nui Easter Island in the South Pasific subtropical gyre. *Total Environment Science*, 586 ; 430-437

Prathee, A. 2005. Spatial and temporal variations in diversity and percentage cover of macroalgae at Sirinart Marine National Park, Phuket Province, Thailand. *Science Asia*, 31 : 225-233.



Portugal, A.B., Carvalho, F.L., Carneiro, P.B.M., Rossi,S., Soares, M.O. 2016.

Increased anthropogenic pressure decreases species richness in tropical intertidal reefs. *Mareviron Res*, 120 :44-54.

Potapova, M., Coles, J.F., Giddings, E.M.P., Zappia, H. 2005. A comparison of the influences of urbanization in contrasting environmental settings on stream benthic algal assemblages. *Am Fish Soc*, 41 : 333-359.

Priscilla, V., Sedayu, A. Patria, M.P. 2019. Microplastic abundance in the water, seagrass and sea hare *Dolabella auricularia* in Pramuka Island, Seribu Island, Jakarta Bay, Indonesia. *Journal of Physics*. 1402 : 1-6

Romdoni, T.A., Ajeng, R., Maria, D.N.M., Bintang, M. Setijanto. 2018/ Seaweed Species Composition, Abundance and Diversity in Drini and Kondang Merak Beach, Java. *SCiFiMaS*, 47:1-8.

Riyadi, S. 1984. *Pencemaran Air: Dasar-dasar dan Pokok Penanggulangannya Karya Anda*. Surabaya. P 67, 93.

Santos, R.G., Andrade, R., Fardim, L.M., Martins, A.S. 2016. Marine debris ingestion and Thayer's law-The importance of plastic color. *Environment Pollution*, 214 : 585-588

Saharayaj, K., Rajesh, S., Asha, A., Rathi, J.M., Raja, P. 2014. Distribution and diversity assessment of the marine macroalgae at four southern districts of Tamil Nadu, India. *Indian Journal of Geo-Marine Sciences*, 43 (4) : 607- 617.

Shaw, D.G., Day, R.H. 1994. Colour- and form- dependent loss of plastic microdebris from the North Pacific Ocean. *Marine Pollution Bulletin*, 28 (1) : 39-43.

Sodiq, A.Q., Arisandi, A. 2020. Identifikasi dan Kemelimpahan Makroalga di Pantai Selatan Gunungkidul. *Juvenil*, 1,(3) : 325-330

Smith, B. 2019. How are Microplastic Created. *AZoCleantech*.

Smith, M., David, C.L., Chelsea, M.R., Roni, A.N. 2018. Microplastics in Seafood and the Implications for Human Health. *Current Environmental Health Reports*, 5 : 375-386.



Veiga, P., Rubal, M., Vieira, R., Arenas, F., Souza-Pinto, I. 2013. Spatial variability in intertidal macroalgal assemblages on the North Portuguese coast : consistence between species and functional group approaches. *Marine Resource*, 67 : 191-201.

Virsek, M.K., Palatinus, A., Koren,S., Peterlin, M., Horvat, P., Krzan,A. 2016. Protocol for Microplastics Sampling on the Sea Surface and Sample Analysis. *Journal of Visualized Experiments : JoVE* (118)

Wardhana, W.A. 1995. *Dampak Pencemaran Lingkungan*. Edisi Pertama. Ando Offset. Yogyakarta. h.73-76.

Warheit, D.B., Laurence, B.R., Reed, K.L., Roach, D.H., Reynolds, G.A.M., Webb, T.R. 2004. Comparative pulmonary toxicity assessment of single-wall carbon nanotubes in rats. *Toxicological Sciences*, 77 : 117-125

Widianarko, B., Hantoro, I. 2018. *Mikroplastik dalam Seafood dari Pantai Utara jawa*. Unika Soegiprajatna. Semarang. pp:15-16

Wright. S.L., Richard, C.T., Tamara, S.G. 2013. The physical impacts of microplastics on marine organisms ; A Review. *Environmental Pollution*, 178:483-492