

DAFTAR PUSTAKA

- Ayun, N. Q. 2019. Analisis Mikroplastik Menggunakan Ft-Ir Pada Air, Sedimen, Dan Ikan Belanak (*Mugil cephalus*) Di Segmen Sungai Bengawan Solo Yang Melintasi Kabupaten Gresik. *Skripsi*, 1–70. [http://digilib.uinsby.ac.id/34185/3/Neily Qurrata A'yun_H71215032.pdf](http://digilib.uinsby.ac.id/34185/3/Neily%20Qurrata%20A%27yun_H71215032.pdf)
- Ayuningtyas, W. C. 2019. Kelimpahan Mikroplastik Pada Perairan Di Banyuurip, Gresik, Jawa Timur. *JFMR-Journal of Fisheries and Marine Research*, 3(1), 41–45. <https://doi.org/10.21776/ub.jfmr.2019.003.01.5>
- Azizah, P., Ridlo, A., & Suryono, C. A. 2020. Mikroplastik pada Sedimen di Pantai Kartini Kabupaten Jepara Jawa Tengah. *Journal of Marine Research*, 9(3), 326–332. <https://doi.org/10.14710/jmr.v9i3.28197>
- Bachrir. 2015. Pertumbuhan Dan Kualitas Rumput Laut (*Caulerpa racemosa*) Yang. *Pertumbuhan Dan Kualitas Rumput Laut (Caulerpa racemosa) Yang Dipapar Dengan Warna Cahaya Berbeda*.
- Browne, M. A., Dissanayake, A., Galloway, T. S., Lowe, D. M., & Thompson, R. C. 2008. Ingested microscopic plastic translocates to the circulatory system of the mussel, *Mytilus edulis* (L.). *Environmental Science and Technology*, 42(13), 5026–5031. <https://doi.org/10.1021/es800249a>
- Cai, J., Lovatelli A., Aguilar-Manjarrez J., Cornish L., Dabbadie L., Desrochers A., Diffey S., arrido Gamarro E., Geehan J., Hurtado A., Lucente D., Mair G.Miao W., Potin P., Przybyla C., Reantaso M., Roubach R., Tauati M. & Yuan, X. 2021. Fisheries and Seaweeds And Microalgae : An Overview For Unlocking. In *FAO Fisheries and Aquaculture Circular* (Vol. 1229).
- Carraher, C. E. J. 2013. *Introduction To Polymer Chemistry Fourth Edition*. CRC press.
- Cole, M., Lindeque, P., Halsband, C., & Galloway, T. S. 2011. Microplastics as contaminants in the marine environment: A review. *Marine Pollution Bulletin*, 62(12), 2588–2597. <https://doi.org/10.1016/j.marpolbul.2011.09.025>
- Collado-Vides, L., & Robledo, D. (1999). Morphology and photosynthesis of *Caulerpa* (Chlorophyta) in relation to growth form. *Journal of Phycology*, 35(2), 325–330. <https://doi.org/10.1046/j.1529-8817.1999.3520325.x>
- Corbanie, E. A., Matthijs, M. G. R., Van Eck, J. H. H., Remon, J. P., Landman, W. J. M., & Vervaet, C. (2006). Deposition of differently sized airborne microspheres in the respiratory tract of chickens. *Avian Pathology*, 35(6), 475–485. <https://doi.org/10.1080/03079450601028845>
- Cordova, M. R., & Muhtadi, A. 2017. Skrining Kemampuan Absorpsi Merkuri pada Makroalga Cokelat Hormophysa triquetra dan Makroalga Merah Gracilaria salicornia dari Pulau Pari Screening of Mercury Absorption in Brown M ... Red Macroalgae Gracilaria salicornia from Pari Island. *Oseanologi Dan Limnologi Di Indonesia*, 2(3), 25–33.
- Cózar, A., Echevarría, F., González-Gordillo, J. I., Irigoien, X., Úbeda, B., Hernández-León, S., Palma, Á. T., Navarro, S., García-de-Lomas, J., Ruiz, A., Fernández-de-Puelles, M. L., & Duarte, C. M. 2014. Plastic debris in the open ocean. *Proceedings of the National Academy of Sciences of the United States of America*, 111(28), 10239–10244. <https://doi.org/10.1073/pnas.1314705111>
- Critchell, K., Grech, A., Schlaefel, J., Andutta, F. P., Lambrechts, J., Wolanski, E., & Hamann, M. 2015. Modelling the fate of marine debris along a complex shoreline:

- Lessons from the Great Barrier Reef. *Estuarine, Coastal and Shelf Science*, 167, 414–426. <https://doi.org/10.1016/j.ecss.2015.10.018>
- Čulin, J., & Bielić, T. 2016. Plastic Pollution from Ships. *Journal of Maritime & Transportation Science*, 51(1), 57–66. <https://doi.org/10.18048/2016.51.04>
- Datu, S. S., Supriadi, S., & Tahir, A. 2019. Microplastic in *Cymodocea rotundata* Seagrass Blades. *International Journal of Environment, Agriculture and Biotechnology*, 4(6), 1758–1761. <https://doi.org/10.22161/ijeab.46.21>
- Davis, A. R., Roberts, D. E., & Cummins, S. P. 1997. Rapid invasion of a sponge-dominated deep-reef by *Caulerpa scalpelliformis* (Chlorophyta) in Botany Bay, New South Wales. *Austral Ecology*, 22(2), 146–150. <https://doi.org/10.1111/j.1442-9993.1997.tb00653.x>
- Dris, R., Gasperi, J., Saad, M., Mirande, C., & Tassin, B. 2016. Synthetic fibers in atmospheric fallout: A source of microplastics in the environment? *Marine Pollution Bulletin*, 104(1–2), 290–293. <https://doi.org/10.1016/j.marpolbul.2016.01.006>
- Efendi, S. S., Karmen, D., & Perdana, Putu Yoga, S. . 2013. Efektivitas struktur penahan pasir dalam perubahan arus di perairan pantai nusa dua bali. *Kolokium Hasil Litbang Sumber Daya Air*, 1–10.
- Fadilah, I. R. (2021). *Pencemaran Mikroplastik Pada Gurita Octopus spp. di Perairan Pulau Pramuka Kepulauan Seribu*. 36.
- Farin, S. E. (2021). Penumpukan Sampah Plastik Yang sulit terurai Berperngaruh Pada Lingkungan Hidup Yang Akan Datang. *OSF Preprint*, 1–10.
- Feng, Z., Zhang, T., Shi, H., Gao, K., Huang, W., Xu, J., Wang, J., Wang, R., Li, J., & Gao, G. 2020. Microplastics in bloom-forming macroalgae: Distribution, characteristics and impacts. *Journal of Hazardous Materials*, 397(April). <https://doi.org/10.1016/j.jhazmat.2020.122752>
- Free, C. M., Jensen, O. P., Mason, S. A., Eriksen, M., Williamson, N. J., & Boldgiv, B. (2014). High-levels of microplastic pollution in a large, remote, mountain lake. *Marine Pollution Bulletin*, 85(1), 156–163. <https://doi.org/10.1016/j.marpolbul.2014.06.001>
- Gema, G., Satria, A., Sulardiono, B., & Purwanti, F. 2014. <http://ejournal-s1.undip.ac.id/index.php/maquares>. 108–115.
- GESAMP. 2015. Sources, fate and effects of microplastics in the marine environment: a global assessment (Kershaw, P. J., ed.). (IMO/FAO/UNESCO-IOC/UNIDO/WMO/IAEA/UN/UNEP/UNDP Joint Group of Experts on the Scientific Aspects of Marine Environmental Protection). *Rep. Stud. GESAMP, No. 90*, 96 p. www.imo.org
- Good, T. P., June, J. A., Etnier, M. A., & Broadhurst, G. 2010. Derelict fishing nets in Puget Sound and the Northwest Straits: Patterns and threats to marine fauna. *Marine Pollution Bulletin*, 60(1), 39–50. <https://doi.org/10.1016/j.marpolbul.2009.09.005>
- Gregory, M. R. 2009. Environmental implications of plastic debris in marine settings-entanglement, ingestion, smothering, hangers-on, hitch-hiking and alien invasions. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 364(1526), 2013–2025. <https://doi.org/10.1098/rstb.2008.0265>
- Harmon, S. M. 2018. The effects of microplastic pollution on aquatic organisms. In *Microplastic Contamination in Aquatic Environments: An Emerging Matter of*

Environmental Urgency. Elsevier Inc. <https://doi.org/10.1016/B978-0-12-813747-5.00008-4>

- Hiwari, H., Purba, N. P., Ihsan, Y. N., Yuliadi, L. P. S., & Mulyani, P. G. 2019. *Kondisi sampah mikroplastik di permukaan air laut sekitar Kupang dan Rote, Provinsi Nusa Tenggara Timur Condition of microplastic garbage in sea surface water at around Kupang and Rote, East Nusa Tenggara Province*. 5, 165–171. <https://doi.org/10.13057/psnmbi/m050204>
- Ismianti, J., Diniarti, N., & Ghazali, M. 2018. Pengaruh Kedalaman Terhadap pertumbuhan anggur laut (*Caulerpa Racemosa*) dengan metode longline di desa Tanjung Bele Kecamatan Moyo Hilir Kabupaten Sumbawa. *Program Studi Budidaya Perairan. Universitas Mataram*.
- Ivelva. 2016. *Chemie. Angewandte Chemie International Edition*, 6(11), 951–952., 6 (11) (Microplastic In Aquatic Ecosystems). <https://doi.org/http://dx.doi.org/10.1002/ange.201606957>
- Jambeck, J. R., Geyer, R., Wilcox, C., Siegler, T. R., Perryman, M., Andrady, A., Narayan, R., & Law, K. L. 2015. Entradas de residuos plásticos desde la tierra al océano. *Ciencia*, 347 (6223), 768 – 771. <http://www.sciencemag.org/cgi/doi/10.1126/science.1260879%0Ahttps://www.sciencemag.org/lookup/doi/10.1126/science.1260352>
- Kadi, A. & Wanda S. 1988. *Rumput Laut (Algae) Jenis, Reproduksi, Produksi, Budidaya, dan Pasca-panen*. Pusat penelitian dan pengembangan oseanologi lembaga ilmu pengetahuan Indonesia.
- Klomjit, A., Yeemin, T., Phaoduang, S., & Sutthacheep, M. 2021. *Occurrence of microplastics in two edible seaweeds from local aquaculture in Thailand*. 4, 38–44.
- Kockisch, S., Rees, G. D., Young, S. A., Tsibouklis, J., & Smart, J. D. 2003. Polymeric microspheres for drug delivery to the oral cavity: An in vitro evaluation of mucoadhesive potential. *Journal of Pharmaceutical Sciences*, 92(8), 1614–1623. <https://doi.org/10.1002/jps.10423>
- Lahens, L., Strady, E., Kieu-Le, T. C., Dris, R., Boukerma, K., Rinnert, E., Gasperi, J., & Tassin, B. 2018. Macroplastic and microplastic contamination assessment of a tropical river (Saigon River, Vietnam) transversed by a developing megacity. *Environmental Pollution*, 236, 661–671. <https://doi.org/10.1016/j.envpol.2018.02.005>
- Lassen. 2015. *Lassen, C., Hansen, S.F., Magnusson, K., Hartmann, N.B., Rehne Jensen, P., Nielsen, T.G., Brinch, A., 2015. Microplastics Occurrence, Effects and Sources of Releases. Environmental Project No. 1793, 2015. Danish Environmental Protection Agency, Copenhagen (Issue 1793). The DAnnis Environmental Protection Agency*.
- Lee, J., Hong, S., Song, Y. K., Hong, S. H., Jang, Y. C., Jang, M., Heo, N. W., Han, G. M., Lee, M. J., Kang, D., & Shim, W. J. 2013. Relationships among the abundances of plastic debris in different size classes on beaches in South Korea. *Marine Pollution Bulletin*, 77(1–2), 349–354. <https://doi.org/10.1016/j.marpolbul.2013.08.013>
- Li, J., Qu, X., Su, L., Zhang, W., Yang, D., Kolandhasamy, P., Li, D., & Shi, H. 2016. Microplastics in mussels along the coastal waters of China. *Environmental Pollution*, 214, 177–184. <https://doi.org/10.1016/j.envpol.2016.04.012>
- Li, Q., Feng, Z., Zhang, T., Ma, C., & Shi, H. 2020. Microplastics in the commercial

- Li, W. 2018. The occurrence, fate, and effects of microplastics in the marine environment. In *Microplastic Contamination in Aquatic Environments: An Emerging Matter of Environmental Urgency*. Elsevier Inc. <https://doi.org/10.1016/B978-0-12-813747-5.00005-9>
- Lusher, A. L., Welden, N. A., Sobral, P., & Cole, M. 2017. Sampling, isolating and identifying microplastics ingested by fish and invertebrates. *Analytical Methods*, 9(9), 1346–1360. <https://doi.org/10.1039/c6ay02415g>
- Mann, K. H. 1982. Ecology of coastal water A system approach. *Limnology and Oceanography*, 29(2), 421–421. <https://doi.org/10.1177/001316446402400233>
- Masura, J., Baker, J., Foster, G., Arthur, D. C., & Herring, C. 2015. *Metode Laboratorium untuk Analisis Mikroplastik di Lingkungan Laut Rekomendasi untuk mengukur partikel sintesis di perairan dan sedimen*.
- Maximenko, N., Hafner, J., & Niiler, P. 2012. Pathways of marine debris derived from trajectories of Lagrangian drifters. *Marine Pollution Bulletin*, 65(1–3), 51–62. <https://doi.org/10.1016/j.marpolbul.2011.04.016>
- Mu, J., Zhang, S., Qu, L., Jin, F., Fang, C., Ma, X., Zhang, W., & Wang, J. 2019. Microplastics abundance and characteristics in surface waters from the Northwest Pacific, the Bering Sea, and the Chukchi Sea. *Marine Pollution Bulletin*, 143(February), 58–65. <https://doi.org/10.1016/j.marpolbul.2019.04.023>
- Ng, L. K., Suk, F. S., Cheung, W. K., Shek, R. T. S., Chan, S. M. N., Tam, N. F. Y., Cheung, G. S., Fang, J. K.-H., & Lo, S. H. 2022. Macroalgal morphology mediates microplastic accumulation on thallus and in sediments. *Elsevier*, 825(Science of the Total Environment).
- Permadi, L. C., Indrayanti, E., & Rochaddi, B. 2015. Studi Arus Pada Perairan Laut di Sekitar PLTU Sumuradem Kabupaten Indramayu, Provinsi Jawa Barat. *Jurnal Oseanografi*, 4(2), 516–523.
- Pulukadan, I., Keppel, R. C., & Gerung, G. S. 2013. A study on bioecology of macroalgae, genus *Caulerpa* in northern Minahasa Waters, North Sulawesi Province. *Aquatic Science & Management*, 1(1), 26. <https://doi.org/10.35800/jasm.1.1.2013.1965>
- Putra, T. P. 2019. *Studi pencemaran mikroplastik pada ikan, air dan sedimen di kepulauan bala-balakang, kabupaten mamuju, sulawesi barat*. 1–72.
- Putrianur, R. 2020. *Keanekaragaman Jenis Makroalga Yang Terdapat Di Kawasan pantai Ujoeng Kareung Aceh Besar Sebagai Referensi Mata Kuliah Botani Tumbuhan Rendah*. 8, 147–154. <https://doi.org/10.1088/1751-8113/44/8/085201>
- Rahmawati, I. 2018. Daur Ulang Limbah Botol Plastik Polyethylene Terephthalate (PET) Menjadi *Carbon Nanodots* Untuk Pigmen *Fluoresensi*. Universitas Negeri Semarang.
- Ramirez-Llodra, E., De Mol, B., Company, J. B., Coll, M., & Sardà, F. 2013. Effects of natural and anthropogenic processes in the distribution of marine litter in the deep Mediterranean Sea. *Progress in Oceanography*, 118, 273–287. <https://doi.org/10.1016/j.pocean.2013.07.027>
- Rasfani, F., Muslim, & Suseno, H. 2014. *Perairan Indonesia . Arus di Perairan Indonesia , juga dipengaruhi oleh angin monsun yang*. 3, 470–475.