# DAFTAR PUSTAKA


Adomat, Y., Kahl, M., Musche, F., & Grischek, T. 2022. Evaluation of microplastics sediment sampling techniques efficiency of common methods and new approaches. Microplastics and Nanoplastics, 2(1), 27-35.

Alam, F. C., Sembiring, E., Muntalif, B. S., & Suendo, V. 2019. Microplastic distribution in surface water and sediment river around slum and industrial area (Case Study: Ciwalengke River, Majalaya District, Indonesia). Chemosphere, 224: 637–645.

Ali, T. A. P. 2024. Kandungan mikroplastik pada tiram (*Crassostrea* sp.) di perairan Kabupaten Barru Sulawesi Selatan (Doctoral dissertation, Universitas Hasanuddin).

Almahdahulhizah A. 2019. Analisis kelimpahan dan jenis mikroplastik pada air dan sedimen di Sungai Wonorejo, Surabaya, Jawa Timur. Skripsi. Fakultas Perikanan dan Ilmu Kelautan.Universitas Brawijaya.

Al Rahmadhani, S., Agustina, S., & Nurfadillah, N. 2021. Identifikasi kandungan mikroplastik dalam tiram (*Crassostrea* sp.) di perairan Kota Banda Aceh dan Kabupaten Aceh Besar. Jurnal Kelautan dan Perikanan Indonesia, 1(3), 145-150.

Amelia, O. E., Suprayogi, D., & Nengse, S. 2025. Identifikasi identifikasi jenis, warna, dan ukuran mikroplastik pada air dan sedimen di Sungai Buntung, Kabupaten Sidoarjo, Jawa Timur. Jurnal Sains & Teknologi Lingkungan, 17(1), 1-14.

Andrady, A. L. 2011. Microplastics in the marine environment. Marine pollution bulletin, 62(8), 1596-1605.

Arthur, C., Baker, J. E., & Bamford, H. A. 2009. Proceedings of the international research workshop on the occurrence, effects, and fate of microplastic marine debris, September 9-11, 2008, University of Washington Tacoma, Tacoma, WA, USA.

Ayuingtyas, W. C., Yona, D., Julinda, S. H., & Iranawati, F. 2019. Kelimpahan mikroplastik pada perairan di banyuurip, Gresik, Jawa Timur. JFMR (Journal of Fisheries and Marine Research), 3(1), 41-45.

Azhary, A. D., Ismanto, A., Hadibarata, T., & Zainuri, M. 2025. Studi hidrodinamika dan dispersi mikroplastik di Muara Sungai Loji, Pekalongan, Jawa Tengah. Indonesian Journal of Oceanography, 7(3), 237-251.

Bergmann, M., Gutow, L., & Klages, M. 2015. Marine anthropogenic litter. Springer.

Boerger, C. M., Lattin, G. L., Moore, S. L., & Moore, C. J. 2010. Plastic ingestion by planktivorous fishes in The North Pascific Central Gyre. Marine Pollution Bulletin, 60(12), 2275-2278.

Browne, M. A., Crump, P., Niven, S. J., Teuten, E., Tonkin, A., Galloway, T., & Thompson, R. 2011. Accumulation of microplastic on shorelines worldwide: Sources and sinks. Environmental Science & Technology, 45(21), 9175–9179.

Browne, M. A., Dissanayake, A., Galloway, T. S., Lowe, D. M., Thompson, R. C., 2018. Ingested microscopic plastic translocates to the circulatory system of the mussel, *Mytilus edulis* (L.). Environmental Science and Technology, 42(13), 5026-5031.

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.

Corcoran, P. L., Biesinger, M. C., & Grifi, M. 2009. Plastics and beaches: A degrading relationship. Marine Pollution Bulletin, 58(1), 80–84.

Corradini, F., Meza, P., Eguiluz, R., Casado, F., Huerta-Lwanga, E., & Geissen, V. 2019. Evidence of microplastic accumulation in agricultural soils from sewage sludge disposal. Science of the Total Environment, 671, 411–420.

Cho, Y., Shim, W. J., Jang, M., Han, G. M., & Hong, S. H. 2018. Abundance and characteristics of microplastic in market bivalves from South Korea. Environmental Pollution, 245, 1107-1116.

Ding, J. F., Li, J. X., Sun, C. J., He, C. F., Jiang, F. H., Gao, F. L., & Zheng, L. 2018. Separation and identification of microplastics in digestive system of bivalves. Chinese Journal of Analytical Chemistry, 46(5), 690-697.

Dris, R., Imhof, H., Sanchez, W., Gasperi, J., Galgani, F., Tassin, B., & Laforsch, C. 2015. Beyond the ocean: contamination of freshwater ecosystems with (micro-) plastic particles. Environmental chemistry, 12(5), 539-550.

Duis, K., & Coors, A. 2016. Microplastics in the aquatic and terrestrial environment: Sources (with a specific focus on personal care products), fate and effects. Environmental Sciences Europe, 28(1), 2-10.

EFSA Panel on Contaminants in the Food Chain (CONTAM). 2016. Presence of microplastics in aquatic environments. Journal of Chemical Technology & Biotechnology, 97(12), 3271-3282.

Estrada-Stabilito, A. Y., Morales-Duarte, K. Y., Rodríguez-Amaranto, C. D., Ramírez-Orozco, D. L., & Gómez-Lemos, L. A. 2026. Microplastics abundance in marine sediments and stomach contents of benthic organisms. Hydrobiologia, 1-16.

Faradilla, S. B., Siregar, L., Arahman, N., & Muchlisin, Z. A. 2025. Microplastics contamination of sea surface water in Banda Aceh City and Aceh Besar District, Aceh Province, Indonesia. DEPIK. 14(2), 272-276.

Fitri RE, Fauzi M, Adriman. 2019. Jenis dan kepadatan mikroplastik di kawasan pantai Desa Apar Kota Pariaman Provinsi Sumatera Barat. Jurnal Natur Indonesia. 8(2): 1-6.

GESAMP. 2019. Guidelines for the monitoring and assessment of plastic litter and microplastics in the ocean (P. J. Kershaw, A. Turra, & F. Galgani, Eds.). GESAMP Reports & Studies No. 99. GESAMP Joint Group of Experts on the Scientific Aspects of Marine Environmental Protection, London, UK.

Hafitri, M., & Permata, L. 2022. Analisis jenis mikroplastik pada sedimen dasar perairan Pulau Untung Jawa, Kepulauan Seribu, DKI Jakarta. Jurnal Indonesia Sosial Sains, 3(3), 468974.

Hapitasari, D. N., Farajallah, A., & Mashar, A. 2016. Analisis Kandungan Mikroplastik Pada Pasir dan Ikan Demersal: Kakap (*Lutjanus* sp.) dan Kerapu (*Epinephelus* sp.) di Pantai Ancol, Palabuhanratu, dan Labuan. Skripsi. Departemen Biologi Fakultas Matematika dan Ilmu Pengetahuan Alam. Institut Pertanian Bogor. Bogor.

Harpah, N., Suryati, I., Leonardo, R., Risky, A., Ageng, P., & Addauwiyah, R. 2020. Analisa jenis, bentuk dan kelimpahan mikroplastik di sungai Sei Sikambing Medan. Jurnal Sains dan Teknologi, 20(2), 108-115.

Hartmann, N. B., Huffer, T., Thompson, R. C., Hassellov, M., Verschoor, A., Daugaard, A. E., ... & Wagner, M. 2019. Are We Speaking the Same Language? Recommendations for a Definition and Categorization Framework for Plastic Debris. Environmental Science & Technology, 53, 1039–1047.

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 & technology, 46(6), 3060-3075.

Hiwari, H., Purba, N. P., Ihsan, Y. N., & Yuliadi, L. P. S. 2019. Condition of microplastic garbage in sea surface water around Kupang and Rote, East Nusa Tenggara Province. Prosiding Seminar Nasional Masyarakat Biodiversitas Indonesia, 5(2), 165-171.

Karbalaei, S., Hanachi, P., Walker, T. R., & Cole, M. 2018. Occurrence, sources, human health impacts and mitigation of microplastic pollution. Environmental science and pollution research, 25(36), 36046-36063.

Karlsson, T. M., Arneborg, L., Broström, G., Almroth, B. C., Gipperth, L., & Hassellöv, M. 2018. The unaccountability case of plastic pellet pollution. Marine Pollution Bulletin, 129(1), 52–60.

Kasmini, L., & Batubara, A. S. 2023. Microplastic contamination and growth pattern of oyster; *Crassostrea gigas* in a coastline. 2023: 753-764.

Klinbunga, S., Khamnamtong, B., Puanglarp, N., Jarayabhand, P., Yoosukh, W., & Menasveta, P. 2005. Molecular taxonomy of cupped oysters (*Crassostrea,*

*Saccostrea, and Striostrea*) in Thailand based on COI, 16S, and 18S rDNA polymorphism. Marine Biotechnology, 7(4), 306-317.

Kusniati, B. A. E. P., Fallo, T., Aridito, M. N., Nugroho, A. P., & Setyowati, P. R. 2025. Analisis konsentrasi dan karakteristik mikroplastik di kawasan wisata Pantai Congot Desa Jangkaran Kabupaten Kulon Progo. Jurnal Engine: Energi, Manufaktur, dan Material, 9(1), 131-145.

Laksono, O. B., Suprijanto, J., & Ridlo, A. 2021. Kandungan mikroplastik pada sedimen di Perairan Bandengan Kabupaten Kendal. Journal of Marine Research, 10(2), 158-164.

Laskar, N., & Kumar, U. 2019. Plastics and microplastics: A threat to environment. Environmental technology & innovation, 14, 100352.

Lavesque, N., Blanchet, H., & de Montaudouin, X. 2009. Development of a multimetric approach to assess perturbation of benthic macrofauna in Zostera noltii beds. Journal of Experimental Marine Biology and Ecology, 368(2), 101-112.

Lestari, K., Haeruddin, H., & Jati, O. E. 2021. Karakterisasi mikroplastik dari sedimen padang lamun, Pulau Panjang, Jepara, dengan ft-ir infrared. Jurnal Sains & Teknologi Lingkungan, 13(2), 135-154.

Li, H. X., Ma, L. S., Lin, L., Ni, Z. X., Xu, X. R., Shi, H. H., & Rittschof, D. 2018. Microplastics in oysters *Saccostrea cucullata* along the Pearl River estuary, China. Environmental Pollution, 236, 619-625.

Li, J., Green, C., Reynolds, A., Shi, H., & Rotchell, J. M. 2018. Microplastics in mussels sampled from coastal waters and supermarkets in the United Kingdom. Environmental pollution, 241, 35-44.

Liu, S., Huang, Y., Luo, D., Wang, X., Wang, Z., Ji, X., & Shang, X. 2022. Integrated effects of polymer type, size and shape on the sinking dynamics of biofouled microplastics. Water Research, 220, 118656.

Lusher, A. 2015. Microplastics in the marine environment: distribution, interactions and effects, in Marine Anthropogenic Litter, eds M. Bergmann, L. Gutow, and M. Klages (Cham: Springer), 1–447.

Lusher, A., Hollman, P., & Mendoza-Hill, J. 2017. Microplastics in fisheries and aquaculture: status of knowledge on their occurrence and implications for aquatic organisms and food safety. FAO.

Mezei, T. 2010. About oyster. Retrieved April 8, 2026, from http://www.ostre.org/oysters.html.

Ningrum, I. P., Sa'adah, N., & Mahmiah, M. 2022. Jenis dan kelimpahan mikroplastik pada sedimen di Gili Ketapang, Probolinggo. Journal of Marine Research, 11(4), 785-793.

NOAA, U. 2013. Programmatic Environmental Assessment for the NOAA Marine Debris Program.

Nugroho, D. H., Restu, I. W., & Ernawati, N. M. 2018. Kajian kelimpahan mikroplastik di perairan Teluk Benua, Provinsi Bali. Current Trends in Aquatic Science, 1(1), 80-90.

Oktavia, S., Adi, W., & Pamungkas, A., 2020. Persepsi dan partisipasi pengunjung terhadap permasalahan sampah laut di Pantai Temberan dan Pantai Pasir Padi. Journal of Tropical Marine Science, 3(1):11-20.

Patricia, G. 2024. Kandungan mikroplastik pada sistem pencernaan ikan Kerapu Macan (*Epinephelus fuscoguttatus*) di perairan kawasan industri Kabupaten Aceh Utara dan Kota Lhokseumawe. Skripsi. Program Studi Ilmu Kelautan, Universitas Malikussaleh, Aceh Utara.

Rifardi. 2012. Ekologi sedimen laut modern (edisi revisi). Pekanbaru: UR Press.

Ringhood, A. H., 2021. Bivalves as Biological Sieves: Bioreactivity pathways of microplastics and nanoplastics. Biological bulletin, 241(2): 185-195.

Rochman, C. M., Kurobe T, Flores I, The S. J. 2015. Early warning signs of endocrine disruption in adult fish drom the ingestion of polyethlene with and without sorbed chemical pollutants from the marine environment. Science of The Total Environment 493, 656-661.

Rubino, N. H. 2021. Literature Review: Analisis mikroplastik pada sedimen Pesisir. Universitas Brawijaya.

Sapphire Coast Oyster. (n.d.). Handling. Diakses pada 15 April 2026, dari Sapphire Coast Oysters Handling Page.

Sandra, S. W., & Radityaningrum, A. D. 2021. Kajian kelimpahan mikroplastik di biota perairan. Jurnal Ilmu Lingkungan, 19(3), 638-648.

Saraswati, Aida Atsiyl 2025 Kajian potensi tiram *Saccostrea* spp. sebagai bioindikator pencemaran mikroplastik di perairan pesisir Kota Semarang. Skripsi thesis, Universitas Jenderal Soedirman.

Sari, G. R. M. 2025. Kajian mikroplastik pada Tiram Bakau (*Saccostrea cucullata*) di Perairan Mangrove Kulon Progo Daerah Istimewa Yogyakarta. Skripsi S1 Biologi, Fakultas Biologi, Universitas Jenderal Soedirman, Purwokerto.

Septian, F. M., Purba, N. P., Agung, M. U. K., Yuliadi, L. P.S., Akuan, L. F., & Mulyani, P. G. 2018. Sebaran spasial mikroplastik di sedimen Pantai Pangandaraan, Jawa Barat. Jurnal Geomaritim Indonesia, 1(1),1–8.

Sulastri, A., Utomo, K. P., Febriyanti, S. V., & Fakhrana, D. 2023. Identifikasi kelimpahan dan bentuk mikroplastik pada sedimen Pantai Kalimantan Barat. Jurnal Ilmu Lingkungan, 21(2), 376-380.

Sya'rani, L., & Hariadi, H. 2006. Penentuan sumber sedimen dasar perairan: I. Berdasarkan analisis minerologi dan kandungan karbonat. Ilmu Kelautan: Indonesian Journal of Marine Sciences, 11(1), 37-43.

Teuten E. L, Saquing J. M., Knappe D. R. U., Barlaz M. A., Jonsson S., Bjorn A., Rowland S. J, Thompson R. C., Galloway T. S., and Yamashita R. 2009. Transport and release of chemicals from plastics to the environment and to wildlife. Philosophical Transactions of the Royal Society B. 364: 2027-2045.

Turner, A., & Holmes, L. 2011. Occurrence, distribution and characteristics of beached plastic production pellets on the island of Malta (Central Mediterranean). Marine Pollution Bulletin, 62(2), 377–381.

Umami, L., Karnan, K., & Santoso, D. 2024. Abundance and distribution patterns of oysters (*Saccostrea cucullata*) in the Bagek Kembar Mangrove Area, West Lombok. Jurnal Biologi Tropis, 24(3), 48-53.

United Nations Environment Programme (UNEP). 2021. From Pollution to Solution: A Global Assessment of Marine Litter and Plastic Pollution.

Van Cauwenberghe, L., & Janssen, C. R. 2014. Microplastics in bivalves cultured for human consumption. Environmental Pollution, 193, 65–70.

Wahid, M. A., Annas, R. F., & Yahya, H. 2024. identification of microplastic abundance in sediments and kuwe fishes (*Caranx* sp) in the coastal area of Gampong Jawa Banda Aceh. Indonesian Journal of Environmental Sustainability, 2(1), 38-51.

Wicaksono, E. A., Werorilangi, S., Galloway, T. S., & Tahir, A. 2021. Distribution and seasonal variation of microplastics in Tallo River, Makassar, Eastern Indonesia. Toxics, 9(6), 129-135.

Wijayanti, D. A., Susanto, C. A. Z., Chandra, A. B., & Zainuri, M. 2021. Identifikasi mikroplastik pada sedimen dan bivalvia Sungai Brantas. Environmental Pollution Journal*,* 1(2), 101–109.

Wina, A. A. 2023. Distribusi mikroplastik dan analisis granulometri pada sedimen dasar di Pesisir Utara Aceh. Repository UIN Ar-Raniry.

Windsor, F. M., Durance, I., Horton, A. A., Thompson, R. C., Tyler, C. R., & Ormerod, S. J. 2019. A catchment-scale perspective of plastic pollution. Global Change Biology, 25(4), 1207–1221.

Woodall, L. C., Sanchez-Vidal, A., Canals, M., Paterson, G. L. J., Coppock, R., Sleight, V., ... & Thompson, R. C. 2014. The deep sea is a major sink for microplastic debris. Royal Society Open Science, 1(4), 140317.

World Bank. 2021. Plastic waste discharges from rivers and coastlines in Indonesia. World Bank

Wright, S. L., Thompson, R. C., & Galloway, T. S. 2014. The physical impacts of microplastics on marine organisms: A review. Environmental Pollution, 178, 483-492.

Yanti, H., Muliani, M., & Khalil, M. 2017. Pengaruh salinitas yang berbeda terhadap tingkat pertumbuhan dan kelangsungan hidup tiram (*Crassostrea* sp.). Acta Aquatica: Aquatic Science Journal, 53-58.

Yin, Z. 2023. The pollution of microplastics in sediments: The ecological risk assessment and pollution source analysis. Science of The Total Environment, 859, 160323.

Zhang W, Zhang S, Wang J, Wang Y, Mu J, Wang P, Lin X, Ma D. 2017. Microplastic pollution in the surface waters of the Bohai Sea, China. Environ Pollut 231: 541-548.

Zhang, Q., Xu, E. G., Li, J., Chen, Q., Ma, L., Zeng, E. Y., & Shi, H. 2020. A Review of microplastics in table salt, drinking water, and air: Direct Human Exposure. Environmental Science & Technology, 54(7), 3740-3751.