

DAFTAR PUSTAKA

- Alberghini, L., Truant, A., Santonicola, S., Colavita, G., & Giaccone, V. (2023). Microplastics in Fish and Fishery Products and Risks for Human Health: A Review. Dalam *International Journal of Environmental Research and Public Health* (Vol. 20, Nomor 1). MDPI. <https://doi.org/10.3390/ijerph20010789>
- Al-Fatih, A. N. F. (2021). Identifikasi Mikroplastik Pada Sistem Pencernaan Ikan Nila (*Oreochromis Niloticus*) Di Kali Pelayaran Kabupaten Sidoarjo. *Environmental Pollution Journal*, 1(3). <https://doi.org/10.58954/EPJ.V1I3.63>
- Aryani, D., Hasanah, A. N., Radityani, F. A., Nuryadin, D. F. E., & Azkia, L. I. (2023). Microplastic characteristics of indian scad (*Chanos chanos*) and tilapia (*Scomber japonicus*) at Rau Market, Serang City, Banten. *Habitus Aquatica*, 4(1), 1–7. <https://doi.org/10.29244/HAJ.4.1.1>
- Atamanalp, M., Kokturk, M., Kırıcı, M., Ucar, A., Kırıcı, M., Parlak, V., Aydın, A., & Alak, G. (2022). Interaction of Microplastic Presence and Oxidative Stress in Freshwater Fish: A Regional Scale Research, East Anatolia of Turkiye (Erzurum & Erzincan & Bingöl). *Sustainability* 2022, Vol. 14, Page 12009, 14(19), 12009. <https://doi.org/10.3390/SU141912009>
- Bank, M. S. (2022). *Microplastic in the Environment: Pattern and Process*. 354. <https://doi.org/10.1007/978-3-030-78627-4>
- Boucher, J., & Friot, D. (2017). Primary microplastics in the oceans: A global evaluation of sources. *Primary microplastics in the oceans: A global evaluation of sources*. <https://doi.org/10.2305/IUCN.CH.2017.01.EN>
- Buwono, N. R., Risjani, Y., & Soegianto, A. (2021a). Contamination of microplastics in Brantas River, East Java, Indonesia and its distribution in gills and digestive tracts of fish *Gambusia affinis*. *Emerging Contaminants*, 7, 172–178. <https://doi.org/10.1016/J.EMCON.2021.08.002>
- Buwono, N. R., Risjani, Y., & Soegianto, A. (2021b). Contamination of microplastics in Brantas River, East Java, Indonesia and its distribution in gills and digestive tracts of fish *Gambusia affinis*. *Emerging Contaminants*, 7, 172–178. <https://doi.org/10.1016/J.EMCON.2021.08.002>
- Dampin, N., Tarnchalanukit, W., Chunkao, K., & Maleewong, M. (2012). Fish Growth Model for Nile Tilapia (*Oreochromis niloticus*) in Wastewater Oxidation Pond, Thailand. *Procedia Environmental Sciences*, 13, 513–524. <https://doi.org/10.1016/J.PROENV.2012.01.042>

- D'avignon, G., Gregory-Eaves, I., & Ricciardi, A. (2022). Microplastics in lakes and rivers: an issue of emerging significance to limnology. *Environmental Reviews*, 30(2), 228–244. <https://doi.org/10.1139/ER-2021-0048/ASSET/IMAGES/ER-2021-0048TAB2.GIF>
- Ding, J., Li, J., Sun, C., Jiang, F., Ju, P., Qu, L., Zheng, Y., & He, C. (2018). Detection of microplastics in local marine organisms using a multi-technology system. *Analytical Methods*, 11(1), 78–87. <https://doi.org/10.1039/C8AY01974F>
- Edwin, T., Primasari, B., & Annisa Purnama, R. (2023). Characterization of microplastic in trawl fish caught in Padang City (Indonesia) coastal area. *Biodiversitas Journal of Biological Diversity*, 24(1), 516–522. <https://doi.org/10.13057/BIODIV/D240160>
- Fauzi, M., Efizon, D., Sumiarsih, E., Windarti, W., Rusliadi, R., Putra, I., & Amin, B. (2019). Pengenalan dan pemahaman bahaya pencemaran limbah plastik pada perairan di Kampung Sungai Kayu Ara Kabupaten Siak. *Unri Conference Series: Community Engagement*, 1, 341–346. <https://doi.org/10.31258/UNRICCSCE.1.341-346>
- Foekema, E. M., Gruijter, C. De, Mergia, M. T., Franeker, J. A. van, Murk, A. J., & Koelmans, A. A. (2013). *Plastic in North Sea Fish*. <https://doi.org/10.1021/ES400931B>
- Fuady, Z. (Zahrul). (2008). Tinjauan Daerah Aliran Sungai Sebagai Sistem Ekologi Dan Manajemen Daerah Aliran Sungai. *Lentera: Jurnal Ilmiah Sains dan Teknologi*, 6(1), 150308. <https://www.neliti.com/id/publications/150308/>
- Geyer, R., Jambeck, J. R., & Law, K. L. (2017). Production, use, and fate of all plastics ever made. *Science Advances*, 3(7). <https://doi.org/10.1126/SCIADV.1700782>
- Guilhermino, L., Martins, A., Lopes, C., Raimundo, J., Vieira, L. R., Barboza, L. G. A., Costa, J., Antunes, C., Caetano, M., & Vale, C. (2021). Microplastics in fishes from an estuary (Minho River) ending into the NE Atlantic Ocean. *Marine pollution bulletin*, 173(Pt A). <https://doi.org/10.1016/J.MARPOLBUL.2021.113008>
- Gustiano, R., Arifin, O. Z., & Nugroho, E. (2008). Perbaikan Pertumbuhan Ikan Nila (*Oreochromis niloticus*) dengan Seleksi Famili. *Media Akuakultur*, 3(2), 98–106. <http://ejournal-balitbang.kkp.go.id/index.php/ma/article/view/1675>
- Hakim, M. Z. (2019). Pengelolaan dan Pengendalian Sampah Plastik Berwawasan Lingkungan. *Amanna Gappa*, 27(2), 111–121. <https://doi.org/10.20956/ag.v27i2.9673>

- Hartmann, N. B., Hüffer, T., Thompson, R. C., Hassellöv, M., Verschoor, A., Daugaard, A. E., Rist, S., Karlsson, T., Brennholt, N., Cole, M., Herrling, M. P., Hess, M. C., Ivleva, N. P., Lusher, A. L., & Wagner, M. (2019). Are We Speaking the Same Language? Recommendations for a Definition and Categorization Framework for Plastic Debris. *Environmental Science and Technology*, 53(3), 1039–1047. https://doi.org/10.1021/ACS.EST.8B05297/ASSET/IMAGES/MEDIUM/ES-2018-05297K_0006.GIF
- Hiwari, H., Purba, N. P., Ihsan, Y. N., S Yuliadi, L. P., Mulyani, P. G., Studi Ilmu Kelautan, P., Perikanan dan Ilmu Kelautan, F., & Padjadjaran Jl Raya Sumedang-Bandung, U. K. (2019). Kondisi sampah mikroplastik di permukaan air laut sekitar Kupang dan Rote, Provinsi Nusa Tenggara Timur Condition of microplastic garbage on sea surface water at around Kupang and Rote, East Nusa Tenggara Province. *Jatinangor, Sumedang*, 5(2), 22. <https://doi.org/10.13057/psnmbi/m050204>
- Huang, Z., Hu, B., & Wang, H. (2022). Analytical methods for microplastics in the environment: a review. *Environmental Chemistry Letters* 2022 21:1, 21(1), 383–401. <https://doi.org/10.1007/S10311-022-01525-7>
- Inda, A., I*, S., Hadi, M. I., & Zummah, A. (2022). Identification of Microplastics Content in Sediment, Water and Digestive Channel of Milkfish (*Chanos chanos*) in Sidoarjo Pond. *Al-Hayat: Journal of Biology and Applied Biology*, 5(1), 11–24. <https://doi.org/10.21580/AH.V5I1.12295>
- Indriati, A. dan H. P., Studi Manajemen Sumberdaya Perairan, P., Pertanian, F., Trunojoyo Madura Jl Raya Telang Kamal Bangkalan, U., & Timur, J. (2022). Manajemen Kualitas Air Pada Pembenihan Ikan Nila (*Oreochromis niloticus*) Di Balai Benih Ikan Teja Timur Pamekasan. *Juvenil: Jurnal Ilmiah Kelautan dan Perikanan*, 3(2), 27–31. <https://doi.org/10.21107/JUVENIL.V3I2.15812>
- Intan Syafira Sibagariang, D., Eka Pratiwi, I., & Hafriliza, A. (2020). Pola Pertumbuhan Ikan Nila (*Oreochromis niloticus*) Hasil Budidaya Masyarakat di Desa Bangun Sari Baru Kecamatan Tanjung Morawa. *Jurnal Jeumpa*, 7(2), 443–449. <https://doi.org/10.33059/JJ.V7I2.3839>
- Issac, M. N., & Kandasubramanian, B. (2021). Effect of microplastics in water and aquatic systems. *Environmental Science and Pollution Research International*, 28(16), 19544. <https://doi.org/10.1007/S11356-021-13184-2>
- Journal, A. A.-F.-E. P., & 2021, undefined. (t.t.). Identifikasi Mikroplastik Pada Sistem Pencernaan Ikan Nila (*Oreochromis Niloticus*) Di Kali Pelayaran Kabupaten Sidoarjo. *ecotonjournal.id*. Diambil 10 Maret 2023, dari <http://ecotonjournal.id/index.php/epj/article/view/63>

- Khan, L., Ghias, S., Zafar, M. I., Alhodaib, A., Fatima, H., Ur-Rehman, T., Waseem, A., & Howari, H. (2022). Exploration of microplastic pollution with particular focus on source identification and spatial patterns in riverine water, sediment and fish of the Swat River, Pakistan. *RSC Advances*, 12(16), 9556–9566. <https://doi.org/10.1039/D2RA00319H>
- Klein, S., Dimzon, I. K., Eubeler, J., & Knepper, T. P. (2018). Analysis, occurrence, and degradation of microplastics in the aqueous environment. *Handbook of Environmental Chemistry*, 58, 51–67. https://doi.org/10.1007/978-3-319-61615-5_3/FIGURES/2
- Kurniawan, R. R., Suprijanto, J., & Ridlo, A. (2021). Mikroplastik Pada Sedimen di Zona Pemukiman, Zona Perlindungan Bahari dan Zona Pemanfaatan Darat Kepulauan Karimunjawa, Jepara. *Buletin Oseanografi Marina*, 10(2), 189–199. <https://doi.org/10.14710/buloma.v10i2.31733>
- Lehmann, A., Leifheit, E. F., Gerdawischke, M., & Rillig, M. C. (2020). Microplastics have shape- and polymer-dependent effects on soil processes. *bioRxiv*, 2020.06.02.130054. <https://doi.org/10.1101/2020.06.02.130054>
- Lestari, K., & Eko Jati, O. (2021). Karakterisasi Mikroplastik dari Sedimen Padang Lamun, Pulau Pnajang, Jepara, dengan FT-IR Infra Red. *Jurnal Sains & Teknologi Lingkungan*, 13(2), 135–154. <https://doi.org/10.20885/JSTL.VOL13.ISS2.ART5>
- Lukman, F. (2014). Efektivitas Pemberian Akar Tuba (*Derris elliptica*) Terhadap Lama Waktu Kematian Ikan Nila (*Oreochromis niloticus*). *Jurnal Pertanian*, 5(1), 22–31. <https://doi.org/10.30997/JP.V5I1.52>
- Mardiansyah, Utomo, A. B., & Putri, L. S. E. (2022). Microplastics in Grouper Fish (Genera *Epinephelus*) Gastrointestinal Tract from Pramuka Island, Seribu Islands, Indonesia. *Journal of Ecological Engineering*, 23(3), 194–205. <https://doi.org/10.12911/22998993/145466>
- Mashuri, A. (2022). *Buku Ajar Statistika Nonparametrik*. Inara Publisher.
- Massos, A., & Turner, A. (2017). Cadmium, lead and bromine in beached microplastics. *Environmental Pollution*, 227, 139–145. <https://doi.org/10.1016/J.ENVPOL.2017.04.034>
- Masura, J., Baker, J., Foster, G., & Arthur, C. (2015). *Laboratory Methods for the Analysis of Microplastics in the Marine Environment: Recommendations for quantifying synthetic particles in waters and sediments*. <https://repository.oceanbestpractices.org/handle/11329/1076>

- Matias, R. S., Gomes, S., Barboza, L. G. A., Salazar-Gutierrez, D., Guilhermino, L., & Valente, L. M. P. (2023). Microplastics in water, feed and tissues of European seabass reared in a recirculation aquaculture system (RAS). *Chemosphere*, 335, 139055. <https://doi.org/10.1016/J.CHEMOSPHERE.2023.139055>
- Nasution, L. M. (2017). Statistik Deskriptif. *Hikmah*, 14(1), 49–55. <http://ejournal.staisumatera-medan.ac.id/index.php/hikmah/article/view/16>
- Nur Faujiah, I., Ira Ryski Wahyuni, D., Kunci, K., Minum Kemasan, A., & Minum Isi Ulang, A. (2022). Kelimpahan dan Karakteristik Mikroplastik pada Air Minum serta Potensi Dampaknya terhadap Kesehatan Manusia. *Gunung Djati Conference Series*, 7, 89–95. <https://conferences.uinsgd.ac.id/index.php/gdcs/article/view/609>
- Nuryadi, N., Astuti, T. D., Sri Utami, E., & Budiantara, M. (2017). *Dasar-Dasar Statistk Penelitian*. 1–177. http://lppm.mercubuana-yogya.ac.id/wp-content/uploads/2017/05/Buku-Ajar_Dasar-Dasar-Statistik-Penelitian.pdf
- Park, T. J., Lee, S. H., Lee, M. S., Lee, J. K., Lee, S. H., & Zoh, K. D. (2020). Occurrence of microplastics in the Han River and riverine fish in South Korea. *Science of the Total Environment*, 708. <https://doi.org/10.1016/J.SCITOTENV.2019.134535>
- Parker, B., Andreou, D., Green, I. D., & Britton, J. R. (2021). Microplastics in freshwater fishes: Occurrence, impacts and future perspectives. *Fish and Fisheries*, 22(3), 467–488. <https://doi.org/10.1111/FAF.12528>
- Payadnya, I. P. A. A., & Trisna Jayantika, I. G. A. N. (2018). *Panduan Penelitian Eksperimen Beserta Analisis Statistik Dengan SPSS*.
- Piskula, P., & Astel, A. M. (2023). Microplastics in Commercial Fishes and By-Catch from Selected FAO Major Fishing Areas of the Southern Baltic Sea. *Animals: an open access journal from MDPI*, 13(3). <https://doi.org/10.3390/ANI13030458>
- Puspita, D., Nugroho, P., Nadia, E., Sena, K., Pangan, T., Kristen, U., Wacana, S., & Tengah, J. (2023). Analisa Kandungan Mikroplastik pada Organ Ikan Konsumsi dari Rawa Pening. *Journal Science of Biodiversity*, 4(1), 16–22. <https://doi.org/10.32938/JSB/VOL4I1PP16-22>
- Puspitasari, R. (2007). *Laju Polutan dalam Ekosistem Laut*. 32(2), 21–28.
- Ríos, J. M., Teixeira de Mello, F., De Feo, B., Krojmal, E., Vidal, C., Loza-Argote, V. A., & Scheibler, E. E. (2022). Occurrence of microplastics in Fish from Mendoza River: First Insights into Plastic Pollution in the

Central Andes, Argentina. *Water* 2022, Vol. 14, Page 3905, 14(23), 3905. <https://doi.org/10.3390/W14233905>

Salsabila, Indrayanti, E., & Widiaratih, R. (2023). Karakteristik Mikroplastik Di Perairan Pulau Tengah, Karimunjawa. *Indonesian Journal of Oceanography*, 4(4), 99–108. <https://doi.org/10.14710/IJOCE.V4I4.15420>

Sandra, S. W., Arlini, D., & Radityaningrum, D. (2021). Kajian Kelimpahan Mikroplastik di Biota Perairan. *Jurnal Ilmu Lingkungan*, 19(3), 638–648. <https://doi.org/10.14710/JIL.19.3.638-648>

Seftianingrum, B., Hidayati, I., Zummah, A., Studi Biologi, P., Sunan Ampel Surabaya, U., Ahmad Yani No, J., & Wonosari, J. (2023a). Identifikasi Mikroplastik pada Air, Sedimen, dan Ikan Nila (*Oreochromis niloticus*) di Sungai Porong, Kabupaten Sidoarjo, Jawa Timur. *Jurnal Jeumpa*, 10(1), 68–82. <https://doi.org/10.33059/JJ.V10I1.7408>

Seftianingrum, B., Hidayati, I., Zummah, A., Studi Biologi, P., Sunan Ampel Surabaya, U., Ahmad Yani No, J., & Wonosari, J. (2023b). Identifikasi Mikroplastik pada Air, Sedimen, dan Ikan Nila (*Oreochromis niloticus*) di Sungai Porong, Kabupaten Sidoarjo, Jawa Timur. *Jurnal Jeumpa*, 10(1), 68–82. <https://doi.org/10.33059/JJ.V10I1.7408>

Subandriyo, B. (2020). Analisis kolerasi dan regresi. Dalam *pusdiklat.bps.go.id*. Badan Pusat Statistik. https://pusdiklat.bps.go.id/diklat/bahan_diklat/BA_Analisis%20Korelasi%20dan%20Regresi_Budi%20Soebandriyo,%20SST,%20M.%20Stat_2123.pdf

Sun, D., Wang, J., Xie, S., Tang, H., Zhang, C., Xu, G., Zou, J., & Zhou, A. (2021). Characterization and spatial distribution of microplastics in two wild captured economic freshwater fish from north and west rivers of Guangdong province. *Ecotoxicology and Environmental Safety*, 207, 111555. <https://doi.org/10.1016/J.ECOENV.2020.111555>

Suprijanto, J., Senduk, J. L., & Makrma, D. B. (2021). Penggunaan Fourier Transform Infrared untuk Analisis Mikroplastik pada *Loligo* sp. dan *Rastrelliger* sp. dari TPI Tambak Lorok Semarang. *Buletin Oseanografi Marina*, 10(3), 291–298. <https://doi.org/10.14710/BULOMA.V10I3.38964>

Tien, C. J., Wang, Z. X., & Chen, C. S. (2020). Microplastics in water, sediment and fish from the Fengshan River system: Relationship to aquatic factors and accumulation of polycyclic aromatic hydrocarbons by fish. *Environmental Pollution*, 265, 114962. <https://doi.org/10.1016/J.ENVPOL.2020.114962>

- Wagner, M., & Lambert, S. (2018). *Freshwater Microplastics - The Handbook of Environmental Chemistry* 58. 58, 302. <https://doi.org/10.1007/978-3-319-61615-5>
- Wang, J., Bucci, K., Helm, P. A., Hoellein, T., Hoffman, M. J., Rooney, R., & Rochman, C. M. (2022). Runoff and discharge pathways of microplastics into freshwater ecosystems: A systematic review and meta-analysis. *Facets*, 7(1), 1473–1492. https://doi.org/10.1139/FACETS-2022-0140/SUPPL_FILE/FACETS-2022-0140_SUPPLEMENT2.XLSX
- Wijaya, B. A., Wijaya, B. A., & Trihadiningrum, Y. (2020). Pencemaran Meso- dan Mikroplastik di Kali Surabaya pada Segmen Driyorejo hingga Karang Pilang. *Jurnal Teknik ITS*, 8(2), G211–G216. <https://doi.org/10.12962/j23373539.v8i2.46000>
- Wootton, N., Reis-Santos, P., Dowsett, N., Turnbull, A., & Gillanders, B. M. (2021). Low abundance of microplastics in commercially caught fish across southern Australia. *Environmental pollution (Barking, Essex : 1987)*, 290. <https://doi.org/10.1016/J.ENVPOL.2021.118030>
- World Health Organization (WHO). (2019). *Microplastics in drinking-water*.
- Wu, C., Xiong, X., Hamidian, A. H., Zhang, Y., & Xu, X. (2022). A review on source, occurrence, and impacts of microplastics in freshwater aquaculture systems in China. *Water Biology and Security*, 1(3), 100040. <https://doi.org/10.1016/J.WATBS.2022.100040>
- Yanti, N. R., Rusnam, R., & Ekaputra, E. G. (2017). Analisis Debit Air pada DAS Air Dingin Menggunakan Model SWAT. *Jurnal Teknologi Pertanian Andalas*, 21(2), 127–137. <https://doi.org/10.25077/JTPA.21.2.127-137.2017>
- Yuan, Z., Nag, R., & Cummins, E. (2022). Human health concerns regarding microplastics in the aquatic environment - From marine to food systems. *Science of The Total Environment*, 823, 153730. <https://doi.org/10.1016/J.SCITOTENV.2022.153730>
- Zhu, L., Wang, H., Chen, B., Sun, X., Qu, K., & Xia, B. (2019). Microplastic ingestion in deep-sea fish from the South China Sea. *Science of The Total Environment*, 677, 493–501. <https://doi.org/10.1016/J.SCITOTENV.2019.04.380>