

## 6. DAFTAR PUSTAKA

- Abbasi, S., Soltani, N., Keshavarzi, B., Moore, F., Turner, A., Hassanaghaei, M., (2018). Microplastic in Different Tissues of Fish and Prawn From the Musa Estuary, Persian Gulf. University of Plymouth. UK.
- Andrady, A.L., (2011). Microplastics in the marine environment. *Mar. Pollut. Bull.* 62(8), 1596–1605.
- Avio, C. G., Gorbi, S., Regoli, F., (2015). Experimental Development of A New Protocol for Extraction and Characterization of Microplastic in Fish Tissues: First Observations in Commercial Species from Adriatic Sea. *Marine Environmental Research*. MERE 4022.
- Ayuningtyas, W, C., Yona, D., Julinda, S, H., Iranawati, F., (2019). Kelimpahan Mikroplastik pada Perairan di Banyuurip, Gresik, Jawa Timur. *Journal of Fisheries and Marine Research*. Vol 3. No 1.
- Boucher, J. & Friot, D., (2017). *Primary Microplastics in the Oceans: A Global Evaluation of Sources*. Switzerland: International Union for Conservation of Nature and Natural Resources.
- Brate, I. L. N. et al., (2017). *Micro- and Macro-plastics in Marine Species from Nordic Waters*. Denmark: The Nordic Council of Ministers.
- Browne, M. A. et al., (2008). Ingested Microscopic Plastic Translocates to the Circulatory System of the Mussel, *Mytilus edulis* (L.). *Environmental Science & Technology*, 42(13), pp. 5026-5031.
- Catarino AI, Thompson R, Sanderson W, Henry TB. (2017). Development and optimization of a standard method for extraction of microplastics in mussels by enzyme digestion of soft tissues. *Environ Toxicol Chem* 36:947-951.
- Chandra, M., Kohn, C., Pawlitz, J., Powell, G., (2016). Real Cost of Styrofoam. Saint Louis University. US.
- Cheung, P. K. & Fok, L., (2016). Evidence of Microbeads from Personal Care Product Contaminating the Sea. *Marine Pollution Bulletin*, 109(1), pp. 582-585.
- Cole, M., Webb, H., Lindeque, P.K., Fileman, E.S., Halsband, C., Galloway, T.S., (2014). Isolation of Microplastics in Biota-Rich Seawater Samples and Marine Organisms. *Scientific Reports*. 4:4528.
- Colom, E, C., Constenla, M., Membrives, A, S., Cartes, J, E., Baeza, M., Padros, F., Carrasion, M., (2018) Spatial Occurrence and Effects of Microplastic Ingestion on the Deep-Water Shrimp *Aristeus antennatus*. *Marine Pollution Bulletin* 133. 44-52.

- Coppock, R. L. et al., (2017). A Small-scale, Portable Method for Extracting Microplastics from Marine Sediments. *Environmental Pollution*, Volume 230, pp. 829-837.
- Cordova, M. R., & Wahyudi, A. J. (2016). Microplastic in the Deep-Sea Sediment of Southwestern Sumatran Waters. *Marine Research in Indonesia*, 41(1), 27.
- De Witte B, Devriese L, Bekaert K, Hoffman S, Vandermeersch G, Cooreman K, Robbens J. (2014). Quality assessment of the blue mussel (*mytilus edulis*): Comparison between commercial and wild types. *Mar Pollut Bull.* 85(1):146–155.
- Dehaut A, Cassone A-L, Frere L, Hermabessiere L, Himber C, Rinnert E, Riviere G, Lambert C, Soudant P, Huvet A et al. (2016). Microplastics in seafood: Benchmark protocol for their extraction and characterization. *Environ Pollut.* 215:223–233.
- Desforges JP, Galbraith M, Ross PS. (2015). Ingestion of microplastics by zooplankton in the northeast pacific ocean. *Arch Environ Contam Toxicol.* 69(3):320–330.
- Devriese, L. I., van der Meulen, M. D., Maes, T., Bekaert, K., Paul-Pont, I., Frère, L., Vethaak, A. D. (2015). Microplastic contamination in brown shrimp (*Crangon crangon*, Linnaeus 1758) from coastal waters of the Southern North Sea and Channel area. *Marine Pollution Bulletin*, 98(1–2), 179–187.
- Elragi, A. F., (2006). Selected Engineering Properties and Applications of EPS Geofoam. Softoria.
- Emons, H., Fajgelj, A., Veen, A, M, H., Watters, R., (2006). New Definition on Reference Materials. *Accred Qual Assur* 10:576-578.
- Fendall, LS and Sewell, M. (2009). Contributing to marine pollution by washing your face: Micro-plastics in facial cleansers. *Mar Pollut Bull* 58(8): 1225–1228.
- Folko, A. (2015). Quantification and Characterization of Fibers Emitted from Common Synthetic Materials during Washing. Kappala.
- GESAMP. (2015). *Sources, Fate and Effects of Microplastics in the Marine Environment: a Global Assessment*. London: International Maritime Organization.
- Gillet, R. (2008). A Study of Tuna Industry Development Aspirations of FFA Member Countries. Forum Fisheries Agency. Honiara. 70 pages.
- Griet, V., Lisbeth, V, C., R, J, Colin., Antonio, M., Kit, G., Gabriella, F., J.J, Michiel., Jorge, D., Karen, B., Johan, R., Lisa, D., (2015). A Critical view on Microplastic Quantification in Aquatic Organism. *Environmental Research* 143. 46-55.
- Hastuti, A, R., Lumbanbatu, D, T, F., Wardiatno, Y., (2019). The Presences of Microplastics in the Digestive Tract of Commercial Fishes off Pantai Indah Kapuk coast, Jakarta, Indonesia. *Biodiversitas.* Vol 20. No 5.

- Hernandez, A.R., Flores C.A., Saguilan A.A., (2019). Fingerprint Analysis of FTIR Spectra of Polymers Containing Vinyl Acetate 86. 198-205.
- Hidalgo-Ruz, V., L. Gutow, R.C. Thompson, M. Thiel, (2012). Microplastics in the marine environment: a review of the methods used for identification and quantification, *Environ. Sci. Technol.* 46 3060e3075.
- Huppertsberg, S., Knepper, T, P., (2018). Instrumental Analysis of Microplastics-Benefit and Challenges. *Analytical and Bioanalytical Chemistry* 2018. 410:6343-6352.
- Jambeck, J. R. et al., (2015). Plastic Waste Inputs from Land into The Ocean. *Marine Pollution*, 347(6223), pp. 768-770.
- Jin-Feng, D. et al., (2018). Separation and Identification of Microplastics in Digestive System of Bivalves. *Chinese Journal of Analytical Chemistry*, 46(5), pp. 69-697.
- smithnovic, B., (2017). Ingestion of Microplastics by Fish and Its Potential Consequences from A Physical Perspective. *Integr Environ Assess Manag* 2017:510-515.
- Junerosano, Mohamad Bijaksana. (2018). “Microplastic Preventive Solution: Responsible Waste Management”, dipresentasikan pada workshop on Microplastic, FTSL Institut Teknologi Bandung-Radboud University Deltares, Bandung, 9 Maret 2018.
- Jung, M. R., Horgen, F. D., Orski, S. V., C. Viviana R., Beers, K, L., Balazs, G, H., Jones, T, T., Work, T, M., Brignac, K, C., Royer, S-J., Hyrenbach, K, D., Jensen, B, A., Lynch, J, M., (2017). Validation of ATR FT-IR to Indetify Polymers of Plastic Marine Debris, Including Those Ingested by Marine Organisms. *Marine Pollution Bulletin* 127 (2018) 704-716.
- Kaimudin, M., Leounupun, M, F., (2016). Karakterisasi Kitosan dari Limbah Udang dengan Proses *Bleaching* dan Deasetalisasi yang Berbeda. Balai Riset dan Standardisasi Industri Ambon. Ambon.
- Karami, A. et al., (2017). A High-Performance Protocol for Extraction of Microplastics in Fish. *Science of the Total Environment*, Volume 578, pp. 485-494.
- Kazmiruk, T. N., Kazmiruk, V. D. & Bendell, L. I., (2018). Abundance and Distribution of Microplastics within Surface Sediments of a Key Shellfish Growing Region in Canada. *PLOS ONE*, 13(5), pp. 1-16.
- Leslie, HA. (2014). Review of microplastics in cosmetics. Amsterdam: IVM Institute for Environmental Studies. Report R14/29.
- Li, H.-X., Getzinger, G., Ferguson, P., Orihuela, B., Zhu, M. & Rittschof, D. (2016). ‘Effects of Toxic Leachate from Commercial Plastics on Larval Survival and

Settlement of the Barnacle *Amphibalanus amphitrite*.' *Environ. Sci. Technol.* 50 (2), 924–931.

Li, J. et al., (2015). Microplastics in Commercial Bivalves from China. *Environmental Pollution*, Volume 207, pp. 190-195.

Maddah, H, A., (2016). Polypropylene as a Promising Plastic : A Review. *American Journal of Polymer Science* 2016. 6(1): 1-11.

Mahat, S. (2017). Separation and Quantification of Microplastics from Beach and Sediment samples using the Bauta Microplastic-sedimen Separator. Norwegian University of Life Sciences.

Mai, L., L.-J. Bao, L. Shi, C.S. Wong, E.Y. Zeng, (2018) A review of methods for measuring microplastics in aquatic environments, *Environ. Sci. Pollut. Res.* 25(2018) 11319e11332

Mathalon, A. & Hill, P., (2014). Microplastics Fibers in the Intertidal Ecosystem Surrounding Halifax Harbour, Nova Scotia. *Marine Pollution Bulletin*, Volume 81, pp. 69-79.

Möhlenkamp, P., Autun P., Laurenz T. (2018). Plastic microbeads from cosmetic products: an experimental study of their hydrodynamic behaviour, vertical transport and resuspension in phytoplankton and sediment aggregates. *Elem Sci Anth*, 6: 61.

Nababan, E., Putra, I., Rusliadi. (2015). Pemeliharaan Udang Vaname (*Litopenaeus vannamei*) dengan Presentase Pakan yang Berbeda. Fakultas Perikanan dan Ilmu Kelautan. Riau.

O'Farrell, K., (2018). An Assessment of The Sale of Microbeads in Personal Care and Cosmetic Products Currently Available within the Australian Retail (in store) Market. Envisage Works. A21503.

Oehlmann JR, Schulte-Oehlmann U, Kloas W, Jagnytsch O, Lutz I, Kusk KO, Wollenberger L, Santos EM, Paull GC, Van Look KJW, Tyler CR. (2009). A critical analysis of the biological impacts of plasticizers on wildlife. *Philos. Trans. R. Soc. London, B.* 364 (1526): 2047-2062.

Pethukova, E, S., Savvinova, M, E., Krasnikova, L, V., Mishakov, L, V., Okhlopkova, A, A., Jeong, D-Y., Cho, J-H., (2016). Reinforcement of Polyethylene Pipes with Modified Carbon Microfibers. *Journal of the Korean Chemistry Society.* Vol. 60. No 3.

Proshad, R., Kormoker, T., Islam, Md, S., Haque, M, A., Rahman, M, M., Mithu, M, M, R., (2018). Toxic Effect of Plastic on Human Health and Environment: A Consequences of Health Risk Assessment in Bangladesh. *International Journal of Health.* 6(1) 1-5

- Rafi, M., Anggundarim W, C., Irawadi, T, T., (2016). Potensi Spektroskopi FT-IR ATR dan Kemometer untuk Membedakan Rambut Babi, Kambing, dan Sapi. *Indonesian Journal of Chemistry Science*. 5(3).
- Roch S, Brinker A. (2017). Rapid and efficient method for the detection of microplastic in the gastrointestinal tract of fishes. *Environ Sci Technol*. 51(8):4522–4530.
- Rochman, C, M., Tahir, A., Williams, S, L., Baxa, D, V., Lam, R., Miller, J, T., Teh, F-C., Werorilangi, S., Teh, S, J., (2015). Athropogenic Debris in Seafood: Plastic Debris and Fibers from Textiles in Fish and Bivalves Sold For Human Consumption. *Scientific Reports*. 5:14340.
- Rochman, C. M., Hoh, E, Hentschel, B. T & Kaye, S. (2013). Long-term Field Measurements of Sorption of Organic Contaminants to Five Types of Plastic Pellets: Implications for Plastic Marine Debris. *Environ. Sci. Technol*. 47. 1646-1654.
- Setala O, Fleming-Lehtinen V and Lehtiniemi M, (2014). Ingestion and transfer of microplastics in the planktonic food web. *Environmental Pollution*, 185, 77–83.
- Sjahfirdi, L., Aldi, N., Maheshwari, H., Astuti, P., (2015). Aplikasi *Fourier Transform Infrared* (FTIR) dan Pengamatan Pembengkakan Genital pada Spesies Primata, Lutung Jawa (*Trachypithecus auratus*) untuk Mendeteksi Masa Subur. *Jurnal Kedokteran Hewan*. Vol 9. No 2.
- Smith, M., Love, D. C., Rochman, C. M. & Neff, R. A., (2018). Microplastics in Seafood and the Implications for Human Health. *Current Environmental Health Reports*, Volume 5, pp. 375-386.
- Stock, F., C. Kochleus, B. Bansch-Baltruschat, N. Brennholt, G. Reifferscheid. (2019). Sampling techniques and preparation methods for microplastic analyses in the aquatic environment – A review.
- Sun, D-W. (2009). *Infrared Spectroscopy for Food Quality Analysis and Control*. Elsevier Inc.
- Thompson, R. C., Moore, C. J., vom Saal, F. S. & Swan, S. H., (2009). Review: Plastics, the Environment and Human Health: Current Consensus and Future Trends. *Philosophical Transactions of The Royal Society B*, Volume 1, pp. 1-14.
- Waddel, E, N., (2018). Development and Use of A Tissue-Destruction Method to Extract Microplastics in Blue Crabs (*Callinectes sapidus*). Texas A&M University-Corpus Christi. Texas.
- Wagner, M. et al., (2014). Microplastics in Freshwater Ecosystems: What We Know and What We Need to Know. *Environmental Sciences Europe*, 26(12), pp. 1-9.

- Waite, H. R., Donnelly, M. J. & Walters, L. J., (2018). Quantity and Types of Microplastics in the Organic Tissues of the Eastern Oyster *Crassostrea virginica* and Atlantic Mud Crab *Panopeus herbstii* from a Florida Estuary. *Marine Pollution Bulletin*, Issue 129, pp. 179-185.
- Wesch, C., Elert, A. M., Worner, M., Braun, U., Klein, B., Paulus, M., (2017). Assuring Quality in Microplastic Monitoring: About the Value of Clean-Air Devices as Essentials for Verified Data. *Scientific Reports*. 7:5424.
- Widianarko, B., Hantoro, I., (2018). Mikroplastik dalam Seafood dari Pantai Utara Jawa. Universitas Katolik Soegijapranata. Semarang.
- Wu, W-M., Yang, J., Criddle, C, S., (2017). Microplastics Pollution and reduction Strategies. *Front. Environ. Sci. Eng.* 11(1):6.
- Wyban, J.W. & Sweeney, J.N. (1991). Intensive Shrimp Production Technology. The Oceanic Institute Shrimp Manual. Honolulu. Hawaii. USA. 158 hal.
- Yu, Z., Beng, B., Liu, L-Y., Wong, C, S., Zeng, E, Y., (2019). Development and Validation of an Efficient Method for Processing Microplastics in Biota Samples. School of Environment, Jinan University. Guangzhou.

