

VII. DAFTAR PUSTAKA

- Almaiman, L., Aljomah, A., Bineid, M., Aljeldah, F. M., Aldawsari, F., Liebmann, B., Lomako, I., Sexlinger, K., & Alarfaj, R. (2021). The occurrence and dietary intake related to the presence of microplastics in drinking water in Saudi Arabia. *Environmental Monitoring and Assessment*, 193(7). <https://doi.org/10.1007/S10661-021-09132-9>
- Barbier, J. S., Dris, R., Lecarpentier, C., Raymond, V., Delabre, K., Thibert, S., Tassin, B., & Gasperi, J. (2022). Microplastic occurrence after conventional and nanofiltration processes at drinking water treatment plants: Preliminary results. *Frontiers in Water*, 4. <https://doi.org/10.3389/FRWA.2022.886703/PDF>
- Bäuerlein, P. S., Hofman-Caris, R. C. H. M., Pieke, E. N., & Ter Laak, T. L. (2022). Fate of microplastics in the drinking water production. *Water Research*, 221, 118790. <https://doi.org/10.1016/j.watres.2022.118790>
- BPS. (2020). *Indikator Perumahan dan Kesehatan Lingkungan 2020*. Badan Pusat Statistik. <https://www.bps.go.id/publication/download.html?nrbvfeve=NjhjZjFjOTQ0MTE4ODM4MjJiODM5NTJm&xzmn=aHR0cHM6Ly93d3cuYnBzLmdvLmlkL3B1YmxpY2F0aW9uLzlwMjAvMTIvMzEvNjhjZjFjOTQ0MTE4ODM4MjJiODM5NTJmL2luZGlrYXRvci1wZXJ1bWFoYW4tZGFuLWtlc2VoYXRhbi1saW5na3VuZ2FuLTIwMjAuaHRtbA%3D%3D&twoadfnearfeauf=MjAyMi0xMS0wMyAyMT01MT0zMA%3D%3D>
- BPS Provinsi Jawa Tengah. (2021). *Distribusi Persentase Rumah Tangga Menurut Kabupaten/Kota dan Sumber Air Minum di Provinsi Jawa Tengah (Persen), 2021*. <https://jateng.bps.go.id/indicator/29/1022/1/distribusi-persentase-rumah-tangga-menurut-kabupaten-kota-dan-sumber-air-minum-di-provinsi-jawa-tengah.html>
- Brandt, J., Fischer, F., Kanaki, E., Enders, K., Labrenz, M., & Fischer, D. (2021). Assessment of Subsampling Strategies in Microspectroscopy of Environmental Microplastic Samples. *Frontiers in Environmental Science*, 8, 288. <https://doi.org/10.3389/FENVS.2020.579676/BIBTEX>
- Choudhury, A., Sarmah, R., Bhagabati, S. K., Dutta, R., Baishya, S., Borah, S., Pokhrel, H., Mudoj, L. P., Sainary, B., & Borah, K. (2018). Microplastic pollution: An emerging environmental issue. *Journal of Entomology and Zoology Studies*, 6(6), 340–344. https://www.researchgate.net/publication/328955573_Microplastic_pollution_An_emerging_environmental_issue

- Cox, K. D., Covernton, G. A., Davies, H. L., Dower, J. F., Juanes, F., & Dudas, S. E. (2019). Human Consumption of Microplastics. *Environmental Science & Technology*, 53(12), 7068–7074.
- Dalmau-Soler, J., Ballesteros-Cano, R., Boleda, M. R., Paraira, M., Ferrer, N., & Lacorte, S. (2021). Microplastics from headwaters to tap water: occurrence and removal in a drinking water treatment plant in Barcelona Metropolitan area (Catalonia, NE Spain). *Environmental Science and Pollution Research* 2021 28:42, 28(42), 59462–59472. <https://doi.org/10.1007/S11356-021-13220-1>
- Danopoulos, E., Twiddy, M., & Rotchell, J. M. (2020). Microplastic contamination of drinking water: A systematic review. *PLOS ONE*, 15(7), e0236838. <https://doi.org/10.1371/JOURNAL.PONE.0236838>
- De-la-Torre, G. E. (2020). Microplastics: an emerging threat to food security and human health. *Journal of Food Science and Technology*, 57(5), 1601. <https://doi.org/10.1007/S13197-019-04138-1>
- Ding, H., Zhang, J., He, H., Zhu, Y., Dionysiou, D. D., Liu, Z., & Zhao, C. (2021). Do membrane filtration systems in drinking water treatment plants release nano/microplastics? *Science of The Total Environment*, 755(2), 142658. <https://doi.org/10.1016/J.SCITOTENV.2020.142658>
- Dronjak, L., Exposito, N., Rovira, J., Florencio, K., Emiliano, P., Corzo, B., Schuhmacher, M., Valero, F., & Sierra, J. (2022). Screening of microplastics in water and sludge lines of a drinking water treatment plant in Catalonia, Spain. *Water Research*, 225, 119185. <https://doi.org/10.1016/J.WATRES.2022.119185>
- Duarte, A. C., & Rocha-Santos, T. (2017). *Characterization and Analysis of Microplastics*. Elsevier Science. https://www.google.co.id/books/edition/Characterization_and_Analysis_of_Micropl/DqCpDQAAQBAJ?hl=en&gbpv=0
- Eerkes-Medrano, D., Leslie, H. A., & Quinn, B. (2018). Microplastics in drinking water: A review and assessment of an emerging concern. *Current Opinion in Environmental Science & Health*. <https://doi.org/10.1016/j.coesh.2018.12.001>
- Gambino, I., Bagordo, F., Grassi, T., Panico, A., & De Donno, A. (2022). Occurrence of Microplastics in Tap and Bottled Water: Current Knowledge. *International Journal of Environmental Research and Public Health*, 19(9). <https://doi.org/10.3390/ijerph19095283>
- Gasperi, J., Wright, S. L., Dris, R., Collard, F., Mandin, C., Guerrouache, M., Langlois, V., Kelly, F. J., & Tassin, B. (2018). Microplastics in air: Are we breathing it in? *Current Opinion in Environmental Science & Health*, 1, 1–5.

<https://doi.org/10.1016/J.COESH.2017.10.002>

- GESAMP. (2019). Guidelines for the monitoring and assessment of plastic litter in the ocean. *GESAMP Reports and Studies, no 99*, 130. <http://gesamp.org>
- Girolamini, L., Lizzadro, J., Mazzotta, M., Iervolino, M., Dormi, A., & Cristino, S. (2019). Different Trends in Microbial Contamination between Two Types of Microfiltered Water Dispensers: From Risk Analysis to Consumer Health Preservation. *International Journal of Environmental Research and Public Health* 2019, Vol. 16, Page 272, 16(2), 272. <https://doi.org/10.3390/IJERPH16020272>
- Jenner, L. C., Sadofsky, L. R., Danopoulos, E., & Rotchell, J. M. (2021). Household indoor microplastics within the Humber region (United Kingdom): Quantification and chemical characterisation of particles present. *Atmospheric Environment*, 259, 118512. <https://doi.org/10.1016/J.ATMOSENV.2021.118512>
- Kankanige, D., & Babel, S. (2020). Smaller-sized micro-plastics (MPs) contamination in single-use PET-bottled water in Thailand. *Science of the Total Environment*, 717, 137232. <https://doi.org/10.1016/j.scitotenv.2020.137232>
- Kankanige, D., & Babel, S. (2021). Contamination by ≥ 6.5 μm -sized microplastics and their removability in a conventional water treatment plant (WTP) in Thailand. *Journal of Water Process Engineering*, 40(October), 101765. <https://doi.org/10.1016/j.jwpe.2020.101765>
- Kemendes RI. (2018). *Berapa takaran normal air agar tidak kekurangan cairan dalam tubuh?* <http://p2ptm.kemkes.go.id/preview/infografhic/berapa-takaran-normal-air-agar-tidak-kekurangan-cairan-dalam-tubuh>
- Koelmans, A. A., Mohamed Nor, N. H., Hermsen, E., Kooi, M., Mintenig, S. M., & De France, J. (2019). Microplastics in freshwaters and drinking water: Critical review and assessment of data quality. *Water Research*, 155, 410–422.
- Lam, T. W. L., Ho, H. T., Ma, A. T. H., & Fok, L. (2020). Microplastic Contamination of Surface Water-Sourced Tap Water in Hong Kong—A Preliminary Study. *Applied Sciences* 2020, Vol. 10, Page 3463, 10(10), 3463. <https://doi.org/10.3390/APP10103463>
- Lobo, H., & Bonilla, J. W. (2003). *Handbook of Plastic Analysis*. Marcel Dekker.
- Luqman, A., Nugrahapraja, H., Wahyuono, R. A., Islami, I., Haekal, M. H., Fardiansyah, Y., Putri, B. Q., Amalludin, F. I., Rofiqa, E. A., Götz, F., & Wibowo, A. T. (2021). Microplastic contamination in human stools, foods, and drinking water associated with Indonesian coastal population.

Environments - *MDPI*, 8(12), 1–9.
<https://doi.org/10.3390/environments8120138>

- Lusher, A., Hollman, P. C. H., Mendoza-Hill, J., & Food and Agriculture Organization of the United Nations. (2017). *Microplastics in Fisheries and Aquaculture: Status of Knowledge on Their Occurrence and Implications for Aquatic Organisms and Food Safety*. Food and Agriculture Organization of the United Nations.
https://www.google.co.id/books/edition/Microplastics_in_fisheries_and_aquacultu/eGp3DwAAQBAJ?hl=en&gbpv=0
- Ma, B., Xue, W., Hu, C., Liu, H., Qu, J., & Li, L. (2019). Characteristics of microplastic removal via coagulation and ultrafiltration during drinking water treatment. *Chemical Engineering Journal*, 359(November 2018), 159–167.
<https://doi.org/10.1016/j.cej.2018.11.155>
- Makhdoumi, P., Amin, A. A., Karimi, H., Pirsahab, M., Kim, H., & Hossini, H. (2021). Occurrence of microplastic particles in the most popular Iranian bottled mineral water brands and an assessment of human exposure. *Journal of Water Process Engineering*, 39, 101708.
<https://doi.org/10.1016/J.JWPE.2020.101708>
- Marrone, A., La Russa, M. F., Randazzo, L., La Russa, D., Cellini, E., & Pellegrino, D. (2021). Microplastics in the center of mediterranean: Comparison of the two calabrian coasts and distribution from coastal areas to the open sea. *International Journal of Environmental Research and Public Health*, 18(20).
<https://doi.org/10.3390/IJERPH182010712>
- Mason, S. A., Welch, V. G., & Neratko, J. (2018). Synthetic Polymer Contamination in Bottled Water. *Frontiers in Chemistry*, 6, 407.
<https://doi.org/10.3389/FCHEM.2018.00407/BIBTEX>
- Maurer, M. L., Tooker, A. C., & Felix, S. H. (2014). *Characterization of polyimide via FTIR analysis*. <https://doi.org/10.2172/1165755>
- Mintenig, S. M., Löder, M. G. J., Primpke, S., & Gerdts, G. (2019). Low numbers of microplastics detected in drinking water from ground water sources. *Science of The Total Environment*, 648, 631–635.
<https://doi.org/10.1016/J.SCITOTENV.2018.08.178>
- Mohamed Hadeed, M. D., & Al-Ahmady, K. K. (2022). The Effect of Different Storage Conditions for Refilled Plastic Drink Bottles on the Concentration of Microplastic Release in Water. *Journal for Research in Applied Sciences and Biotechnology*, 1(4), 71–77. <https://doi.org/10.55544/jrasb.1.4.9>
- NAWASIS. (2022). *Fakta Depot Air Minum Isi Ulang (DAMIU) di Indonesia / NAWASIS – National Water and Sanitation Information Services*.

<https://www.nawasis.org/portal/galeri/read/fakta-depot-air-minum-isi-ulang-damiu-di-indonesia/52309>

- Novotna, K., Cermakova, L., Pivokonska, L., Cajthaml, T., & Pivokonsky, M. (2019). Microplastics in drinking water treatment – Current knowledge and research needs. *Science of the Total Environment*, 667, 730–740. <https://doi.org/10.1016/j.scitotenv.2019.02.431>
- Oßmann, B. E. (2021). Microplastics in drinking water? Present state of knowledge and open questions. *Current Opinion in Food Science*, 41, 44–51. <https://doi.org/10.1016/J.COFS.2021.02.011>
- Oßmann, B. E., Sarau, G., Holtmannsp, H., Pischetsrieder, M., Christiansen, S. H., & Dicke, W. (2018). *Small-sized microplastics and pigmented particles in bottled mineral water*. <https://doi.org/10.1016/j.watres.2018.05.027>
- Peets, P., Kaupmees, K., Vahur, S., & Leito, I. (2019). Reflectance FT-IR spectroscopy as a viable option for textile fiber identification. *Heritage Science*, 7(1), 15–20. <https://doi.org/10.1186/s40494-019-0337-z>
- Peraturan Menteri Kesehatan No. 43 Tahun 2014 tentang Higiene Sanitasi DAM (Depot Air Minum) Isi Ulang. <https://peraturan.bpk.go.id/Home/Details/119084/permenkes-no-43-tahun-2014>
- Peraturan Pemerintah Republik Indonesia No. 16 Tahun 2005 tentang Pengembangan Sistem Penyediaan Air Minum. <https://peraturan.bpk.go.id/Home/Details/49357>
- Pivokonsky, M., Cermakova, L., Novotna, K., Peer, P., Cajthaml, T., & Janda, V. (2018). Occurrence of microplastics in raw and treated drinking water. *Science of The Total Environment*, 643, 1644–1651. <https://doi.org/10.1016/J.SCITOTENV.2018.08.102>
- Pivokonský, M., Pivokonská, L., Novotná, K., Čermáková, L., & Klimtová, M. (2020). Occurrence and fate of microplastics at two different drinking water treatment plants within a river catchment. *Science of The Total Environment*, 741, 140236. <https://doi.org/10.1016/J.SCITOTENV.2020.140236>
- Pizzichetti, A. R. P., Pablos, C., Álvarez-Fernández, C., Reynolds, K., Stanley, S., & Marugán, J. (2021). Evaluation of membranes performance for microplastic removal in a simple and low-cost filtration system. *Case Studies in Chemical and Environmental Engineering*, 3, 100075. <https://doi.org/10.1016/J.CSCEE.2020.100075>
- Poerio, T., Piacentini, E., & Mazzei, R. (2019). Membrane Processes for Microplastic Removal. *Molecules* 2019, Vol. 24, Page 4148, 24(22), 4148.

<https://doi.org/10.3390/MOLECULES24224148>

- Renner, G., Nellessen, A., Schwiers, A., Wenzel, M., Schmidt, T. C., & Schram, J. (2019). Data preprocessing & evaluation used in the microplastics identification process: A critical review & practical guide. *TrAC Trends in Analytical Chemistry*, *111*, 229–238. <https://doi.org/10.1016/J.TRAC.2018.12.004>
- Rosita, N. (2014). Analisis Kualitas Air Minum Isi Ulang Beberapa Depot Air Minum Isi Ulang (DAMIU) di Tangerang Selatan. *Jurnal Kimia Valensi*, *4*(2), 134–141. <https://media.neliti.com/media/publications/109881-ID-analisis-kualitas-air-minum-isi-ulang-be.pdf>
- Schymanski, D., Goldbeck, C., Humpf, H. U., & Fürst, P. (2018). Analysis of microplastics in water by micro-Raman spectroscopy: Release of plastic particles from different packaging into mineral water. *Water Research*, *129*, 154–162. <https://doi.org/10.1016/J.WATRES.2017.11.011>
- Schymanski, D., Oßmann, B. E., Benismail, N., Boukerma, K., Dallmann, G., von der Esch, E., Fischer, D., Fischer, F., Gilliland, D., Glas, K., Hofmann, T., Käppler, A., Lacorte, S., Marco, J., Rakwe, M. El, Weisser, J., Witzig, C., Zumbülte, N., & Ivleva, N. P. (2021). Analysis of microplastics in drinking water and other clean water samples with micro-Raman and micro-infrared spectroscopy: minimum requirements and best practice guidelines. *Analytical and Bioanalytical Chemistry* *2021* *413*:24, *413*(24), 5969–5994. <https://doi.org/10.1007/S00216-021-03498-Y>
- Selke, S. E., & Culter, J. D. (2016). *Plastics Packaging: Properties, Processing, Applications, and Regulations* (3rd ed.). Hanser Publications. www.hanser-fachbuch.de
- Shen, M., Song, B., Zhu, Y., Zeng, G., Zhang, Y., Yang, Y., Wen, X., Chen, M., & Yi, H. (2020). Removal of microplastics via drinking water treatment: Current knowledge and future directions. *Chemosphere*, *251*, 126612. <https://doi.org/10.1016/j.chemosphere.2020.126612>
- Shen, M., Zeng, Z., Wen, X., Ren, X., Zeng, G., Zhang, Y., & Xiao, R. (2021). Presence of microplastics in drinking water from freshwater sources: the investigation in Changsha, China. *Environmental Science and Pollution Research* *2021* *28*:31, *28*(31), 42313–42324. <https://doi.org/10.1007/S11356-021-13769-X>
- Shruti, V. C., Kutralam-Muniasamy, G., Pérez-Guevara, F., Roy, P. D., & Elizalde-Martínez, I. (2022). Free, but not microplastic-free, drinking water from outdoor refill kiosks: A challenge and a wake-up call for urban management. *Environmental Pollution*, *309*, 119800. <https://doi.org/10.1016/J.ENVPOL.2022.119800>

- Stock, F., Reifferscheid, G., Brennholt, N., & Kostianaia, E. (2021). *Plastics in the aquatic environment. Part I, Current status and challenges*. Springer International Publishing. https://www.google.co.id/books/edition/Plastics_in_the_Aquatic_Environment_Part/wm1LEAAAQBAJ?hl=en&gbpv=0
- Tirkey, A., & Upadhyay, L. S. B. (2021). Microplastics: An overview on separation, identification and characterization of microplastics. *Marine Pollution Bulletin*, 170(112604). <https://doi.org/10.1016/J.MARPOLBUL.2021.112604>
- Tong, H., Jiang, Q., Hu, X., & Zhong, X. (2020). Occurrence and identification of microplastics in tap water from China. *Chemosphere*, 252. <https://doi.org/10.1016/J.CHEMOSPHERE.2020.126493>
- Toussaint, B., Raffael, B., Angers-Loustau, A., Gilliland, D., Kestens, V., Petrillo, M., Rio-Echevarria, I. M., & Van den Eede, G. (2019). Review of micro- and nanoplastic contamination in the food chain. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, 36(5), 639–673. <https://doi.org/10.1080/19440049.2019.1583381>
- Turhan, Y., Doğan, M., & Alkan, M. (2010). Poly(vinyl chloride)/Kaolinite Nanocomposites: Characterization and Thermal and Optical Properties. *Industrial and Engineering Chemistry Research*, 49(4), 1503–1513. <https://doi.org/10.1021/IE901384X>
- U.S. Environmental Protection Agency (EPA). (2019). *Guidelines for Human Exposure Assessment Risk Assessment Forum* ((EPA/100/B-19/001)). Risk Assessment Forum, U.S. EPA. www.epa.gov/risk
- Veerasingam, S., Ranjani, M., Venkatachalapathy, R., Bagaev, A., Mukhanov, V., Litvinyuk, D., Mugilarasan, M., Gurumoorthi, K., Guganathan, L., Aboobacker, V. M., & Vethamony, P. (2021). Contributions of Fourier transform infrared spectroscopy in microplastic pollution research: A review. *Critical Reviews in Environmental Science and Technology*, 51(22), 2681–2743. <https://doi.org/10.1080/10643389.2020.1807450>
- Wang, Z., Lin, T., & Chen, W. (2020). Occurrence and removal of microplastics in an advanced drinking water treatment plant (ADWTP). *Science of The Total Environment*, 700, 134520. [10.1016/j.scitotenv.2019.134520](https://doi.org/10.1016/j.scitotenv.2019.134520)
- Weisser, J., Beer, I., Hufnagl, B., Hofmann, T., Lohninger, H., Ivleva, N. P., & Glas, K. (2021). From the Well to the Bottle: Identifying Sources of Microplastics in Mineral Water. *Water 2021, Vol. 13, Page 841*, 13(6), 841. <https://doi.org/10.3390/W13060841>
- WHO. (2017). *Guidelines for drinking-water quality, 4th edition, incorporating the 1st addendum* (WHO (ed.)). World Health Organization.