

DAFTAR PUSTAKA

- Abou-Elela, S. I., Ali, M. E. M., & Ibrahim, H. S. (2016). Combined treatment of retting flax wastewater using Fenton oxidation and granular activated carbon. *Arabian Journal of Chemistry*, 9(4), 511–517. <https://doi.org/10.1016/j.arabjc.2014.01.010>
- Alabdraba, W. M. S., & Albayati, M. B. A. (2014). Biodegradation of azo dyes—A review. *International Journal of Environmental Engineering and Natural Resources*, 1(4), 179–189.
- Albahnasawi, A., Yüksel, E., Gürbulak, E., & Duyum, F. (2020). Fate of aromatic amines through decolorization of real textile wastewater under anoxic-aerobic membrane bioreactor. *Journal of Environmental Chemical Engineering*, 8(5), 104226. <https://doi.org/10.1016/j.jece.2020.104226>
- Ameta, R., K. Chohadia, A., Jain, A., & Punjabi, P. B. (2018). Fenton and photo-fenton processes. Dalam *Advanced Oxidation Processes for Waste Water Treatment* (hlm. 49–87). Elsevier. <https://doi.org/10.1016/B978-0-12-810499-6.00003-6>
- Bailey, K., Basu, A., & Sharma, S. (2022). The environmental impacts of fast fashion on water quality: A systematic review. *Water*, 14(7), 1073. <https://doi.org/10.3390/w14071073>
- Bappenas, R. (2021). *The economic, social, and environmental benefits of a circular economy in Indonesia*.
- Bautista, P., Mohedano, A. F., Casas, J. A., Zazo, J. A., & Rodriguez, J. J. (2008). An Overview of the Application of Fenton Oxidation to Industrial Wastewaters Treatment. *Journal of Chemical Technology and Biotechnology*, 83, 1323–1338. <https://doi.org/10.1002/jctb>
- Bhatia, D., Sharma, N. R., Singh, J., & Kanwar, R. S. (2017). Biological methods for textile dye removal from wastewater: A review. *Critical Reviews in Environmental Science and Technology*, 47(19), 1836–1876. <https://doi.org/10.1080/10643389.2017.1393263>

- Boltz, J. P., Johnson, B. R., Daigger, G. T., & Sandino, J. (2009). Modeling Integrated Fixed-Film Activated Sludge and Moving-Bed Biofilm Reactor Systems I: Mathematical Treatment and Model Development. *Water Environment Research*, 81(6), 555–575. <https://doi.org/10.2175/106143008X357066>
- Budhijanto, W., Deendarlianto, D., Kristiyani, H., & Satriawan, D. (2015). Enhancement of aerobic wastewater treatment by the application of attached growth microorganisms and microbubble generator. *International Journal of Technology*, 6(7), 1101. <https://doi.org/10.14716/ijtech.v6i7.1240>
- Cirik, K., Dursun, N., Sahinkaya, E., & Çinar, Ö. (2013). Effect of electron donor source on the treatment of Cr(VI)-containing textile wastewater using sulfate-reducing fluidized bed reactors (FBRs). *Bioresource Technology*, 133, 414–420. <https://doi.org/10.1016/j.biortech.2013.01.064>
- Couto, C. F., Marques, L. S., Balmant, J., de Oliveira Maia, A. P., Moravia, W. G., & Santos Amaral, M. C. (2018). Hybrid MF and membrane bioreactor process applied towards water and indigo reuse from denim textile wastewater. *Environmental Technology*, 39(6), 725–738. <https://doi.org/10.1080/09593330.2017.1310307>
- Davis, M. L. (2020). *Water and wastewater engineering: Design principles and practice* (Second edition). McGraw-Hill Education.
- Dulov, A., Dulova, N., & Trapido, M. (2011). Combined physicochemical treatment of textile and mixed industrial wastewater. *Ozone: Science & Engineering*, 33(4), 285–293. <https://doi.org/10.1080/01919512.2011.583136>
- Ersahin, M. E., Ozgun, H., Dereli, R. K., Ozturk, I., Roest, K., & van Lier, J. B. (2012). A review on dynamic membrane filtration: Materials, applications and future perspectives. *Bioresource Technology*, 122, 196–206. <https://doi.org/10.1016/j.biortech.2012.03.086>

- Eslami, A., Moradi, M., Ghanbari, F., & Mehdipour, F. (2013). Decolorization and COD removal from real textile wastewater by chemical and electrochemical Fenton processes: A comparative study. *Journal of Environmental Health Science and Engineering*, 11(1), 31. <https://doi.org/10.1186/2052-336X-11-31>
- Farabegoli, G., Chiavola, A., Rolle, E., & Naso, M. (2010). Decolorization of Reactive Red 195 by a mixed culture in an alternating anaerobic–aerobic Sequencing Batch Reactor. *Biochemical Engineering Journal*, 52(2–3), 220–226. <https://doi.org/10.1016/j.bej.2010.08.014>
- Feng, F., Xu, Z., Li, X., You, W., & Zhen, Y. (2010). Advanced treatment of dyeing wastewater towards reuse by the combined Fenton oxidation and membrane bioreactor process. *Journal of Environmental Sciences*, 22(11), 1657–1665. [https://doi.org/10.1016/S1001-0742\(09\)60303-X](https://doi.org/10.1016/S1001-0742(09)60303-X)
- Goswami, L., Vinoth Kumar, R., Borah, S. N., Arul Manikandan, N., Pakshirajan, K., & Pugazhenth, G. (2018). Membrane bioreactor and integrated membrane bioreactor systems for micropollutant removal from wastewater: A review. *Journal of Water Process Engineering*, 26, 314–328. <https://doi.org/10.1016/j.jwpe.2018.10.024>
- Grilli, S., Piscitelli, D., Mattioli, D., Casu, S., & Spagni, A. (2011). Textile wastewater treatment in a bench-scale anaerobic-biofilm anoxic-aerobic membrane bioreactor combined with nanofiltration. *Journal of Environmental Science and Health, Part A*, 46(13), 1512–1518. <https://doi.org/10.1080/10978526.2011.609078>
- Hakika, D. C. (2021). *Studi pengaruh perlakuan awal metode fenton terhadap produksi biogas dari vinasse*. Universitas Gadjah Mada.
- Haryono, H., Faizal D, M., Liamita N, C., & Rostika, A. (2018). Pengolahan limbah zat warna tekstil terdispersi dengan metode elektroflotasi. *EduChemia (Jurnal Kimia dan Pendidikan)*, 3(1), 94. <https://doi.org/10.30870/educhemia.v3i1.2625>

- He, Y., Wang, X., Xu, J., Yan, J., Ge, Q., Gu, X., & Jian, L. (2013). Application of integrated ozone biological aerated filters and membrane filtration in water reuse of textile effluents. *Bioresource Technology*, 133, 150–157. <https://doi.org/10.1016/j.biortech.2013.01.074>
- Holkar, C. R., Jadhav, A. J., Pinjari, D. V., Mahamuni, N. M., & Pandit, A. B. (2016). A critical review on textile wastewater treatments: Possible approaches. *Journal of Environmental Management*, 182, 351–366. <https://doi.org/10.1016/j.jenvman.2016.07.090>
- Isik, O., Abdelrahman, A. M., Ozgun, H., Ersahin, M. E., Demir, I., & Koyuncu, I. (2019). Comparative evaluation of ultrafiltration and dynamic membranes in an aerobic membrane bioreactor for municipal wastewater treatment. *Environmental Science and Pollution Research*, 26(32), 32723–32733. <https://doi.org/10.1007/s11356-019-04409-6>
- Kemenperin, R. (2021). *Mendorong kinerja industri tekstil dan produk tekstil* (3rd ed). Pusat Data dan Informasi Kemenperin.
- Khelifi, E., Gannoun, H., Touhami, Y., Bouallagui, H., & Hamdi, M. (2008). Aerobic decolourization of the indigo dye-containing textile wastewater using continuous combined bioreactors. *Journal of Hazardous Materials*, 152(2), 683–689. <https://doi.org/10.1016/j.jhazmat.2007.07.059>
- Khuntia, H. K., Hameed, S., Janardhana, N., & Chanakya, H. (2019). Greywater treatment in aerobic bio-reactor with macropore mesh filters. *Journal of Water Process Engineering*, 28, 269–276. <https://doi.org/10.1016/j.jwpe.2019.02.013>
- Kozak, M., Cirik, K., & Başak, S. (2021). Treatment of textile wastewater using combined anaerobic moving bed biofilm reactor and powdered activated carbon-aerobic membrane reactor. *Journal of Environmental Chemical Engineering*, 9(4), 105596. <https://doi.org/10.1016/j.jece.2021.105596>
- Ladewig, B., & Al-Shaeli, M. N. Z. (2017). *Fundamentals of Membrane Bioreactors*. Springer Singapore. <https://doi.org/10.1007/978-981-10-2014-8>

- Lee, J.-Y., Choi, B.-K., Ahn, K.-H., Maeng, S. K., & Song, K.-G. (2012). Characteristics of flux and gel layer on microfilter and non-woven fabric filter surface based on anoxic-aerobic MBRs. *Bioprocess and Biosystems Engineering*, 35(8), 1389–1398. <https://doi.org/10.1007/s00449-012-0727-z>
- Leiknes, T., & Ødegaard, H. (2007). The development of a biofilm membrane bioreactor. *Desalination*, 202(1–3), 135–143. <https://doi.org/10.1016/j.desal.2005.12.049>
- Lellis, B., Fávaro-Polonio, C. Z., Pamphile, J. A., & Polonio, J. C. (2019). Effects of textile dyes on health and the environment and bioremediation potential of living organisms. *Biotechnology Research and Innovation*, 3(2), 275–290. <https://doi.org/10.1016/j.biori.2019.09.001>
- Liu, X., Sang, Y., Yin, H., Lin, A., Guo, Z., & Liu, Z. (2018). Progress in the mechanism and kinetics of Fenton reaction. *MOJ Ecology & Environmental Sciences*, 3(1). <https://doi.org/10.15406/mojes.2018.03.00060>
- Loderer, C., Wörle, A., & Fuchs, W. (2012). Influence of different mesh filter module configurations on effluent quality and long-term filtration performance. *Environmental Science & Technology*, 46(7), 3844–3850. <https://doi.org/10.1021/es204636s>
- Lourenço, N. D., Novais, J. M., & Pinheiro, H. M. (2000). Reactive textile dye colour removal in a sequencing batch reactor. *Water Science and Technology*, 42(5–6), 321–328. <https://doi.org/10.2166/wst.2000.0531>
- MenLHK, R. (2019). *Baku mutu air limbah bagi usaha dan/atau kegiatan industri tekstil periode peralihan* (P.16/MENLHK/SETJEN/KUM.1/4/2019; Peraturan Menteri Lingkungan Hidup dan Kehutanan Republik Indonesia). Menteri Lingkungan Hidup dan Kehutanan Republik Indonesia.
- Pal, P. (2017). Industry-Specific Water Treatment. Dalam *Industrial water treatment process technology* (hlm. 243–511). Elsevier. <https://doi.org/10.1016/B978-0-12-810391-3.00006-0>

- Park, H.-D., Chang, I.-S., & Lee, K.-J. (2015). *Principles of Membrane Bioreactors for Wastewater Treatment*. CRC Press.
<https://doi.org/10.1201/b18368>
- Patel, H., & Vashi, R. T. (2015). Characterization of textile wastewater. Dalam *Characterization and treatment of textile wastewater* (hlm. 21–71). Elsevier. <https://doi.org/10.1016/B978-0-12-802326-6.00002-2>
- Punzi, M. (2015). *Treatment of textile wastewater by combining biological processes and advanced oxidation*. Lund University.
- Rahman, T. U., Roy, H., Islam, Md. R., Tahmid, M., Fariha, A., Mazumder, A., Tasnim, N., Pervez, Md. N., Cai, Y., Naddeo, V., & Islam, Md. S. (2023). The Advancement in Membrane Bioreactor (MBR) Technology toward Sustainable Industrial Wastewater Management. *Membranes*, 13(2), 181.
<https://doi.org/10.3390/membranes13020181>
- Sahinkaya, E., Yurtsever, A., & Çınar, Ö. (2017). Treatment of textile industry wastewater using dynamic membrane bioreactor: Impact of intermittent aeration on process performance. *Separation and Purification Technology*, 174, 445–454. <https://doi.org/10.1016/j.seppur.2016.10.049>
- Sarayu, K., & Sandhya, S. (2012). Current technologies for biological treatment of textile wastewater—A review. *Applied Biochemistry and Biotechnology*, 167(3), 645–661. <https://doi.org/10.1007/s12010-012-9716-6>
- Setiyanto, H. (2016). Study on the Fenton reaction for degradation of Remazol Red B in textile waste industry. *Molekul*, 11(2), 168.
<https://doi.org/10.20884/1.jm.2016.11.2.212>
- Shindhal, T., Rakholiya, P., Varjani, S., Pandey, A., Ngo, H. H., Guo, W., Ng, H. Y., & Taherzadeh, M. J. (2021). A critical review on advances in the practices and perspectives for the treatment of dye industry wastewater. *Bioengineered*, 12(1), 70–87.
<https://doi.org/10.1080/21655979.2020.1863034>
- Shuler, M. L., & Kargi, F. (2002). *Bioprocess engineering: Basic concepts* (2nd ed). Prentice Hall.

- Subramaniam, D., Mather, P., Russell, S., & Rajapakse, J. (2016). Dynamics of nitrate-nitrogen removal in experimental stormwater biofilters under intermittent wetting and drying. *Journal of Environmental Engineering*, 142(3), 04015090. [https://doi.org/10.1061/\(ASCE\)EE.1943-7870.0001043](https://doi.org/10.1061/(ASCE)EE.1943-7870.0001043)
- Suryawan, I. W. K., Helmy, Q., & Notodarmojo, S. (2018). Textile wastewater treatment: Colour and COD removal of reactive black-5 by ozonation. *IOP Conference Series: Earth and Environmental Science*, 106, 012102. <https://doi.org/10.1088/1755-1315/106/1/012102>
- Vikrant, K., Giri, B. S., Raza, N., Roy, K., Kim, K.-H., Rai, B. N., & Singh, R. S. (2018). Recent advancements in bioremediation of dye: Current status and challenges. *Bioresource Technology*, 253, 355–367. <https://doi.org/10.1016/j.biortech.2018.01.029>
- Wang, X. C., Liu, Q., & Liu, Y. J. (2010). Membrane Fouling Control of Hybrid Membrane Bioreactor: Effect of Extracellular Polymeric Substances. *Separation Science and Technology*, 45(7), 928–934. <https://doi.org/10.1080/01496391003657030>
- Xiong, J., Fu, D., Singh, R. P., & Ducoste, J. J. (2016). Structural characteristics and development of the cake layer in a dynamic membrane bioreactor. *Separation and Purification Technology*, 167, 88–96. <https://doi.org/10.1016/j.seppur.2016.04.040>
- Yaseen, D. A., & Scholz, M. (2019). Textile dye wastewater characteristics and constituents of synthetic effluents: A critical review. *International Journal of Environmental Science and Technology*, 16(2), 1193–1226. <https://doi.org/10.1007/s13762-018-2130-z>
- Yurtsever, A., Çınar, Ö., & Sahinkaya, E. (2016). Treatment of textile wastewater using sequential sulfate-reducing anaerobic and sulfide-oxidizing aerobic membrane bioreactors. *Journal of Membrane Science*, 511, 228–237. <https://doi.org/10.1016/j.memsci.2016.03.044>
- Yurtsever, A., Sahinkaya, E., Aktaş, Ö., Uçar, D., Çınar, Ö., & Wang, Z. (2015). Performances of anaerobic and aerobic membrane bioreactors for the

treatment of synthetic textile wastewater. *Bioresource Technology*, 192, 564–573. <https://doi.org/10.1016/j.biortech.2015.06.024>

Zhang, W., Tang, B., & Bin, L. (2017). Research progress in biofilm-membrane bioreactor (BF-MBR)-a critical review. *Industrial & Engineering Chemistry Research*.

Zheng, Y., Yu, S., Shuai, S., Zhou, Q., Cheng, Q., Liu, M., & Gao, C. (2013). Color removal and COD reduction of biologically treated textile effluent through submerged filtration using hollow fiber nanofiltration membrane. *Desalination*, 314, 89–95. <https://doi.org/10.1016/j.desal.2013.01.004>