

DAFTAR PUSTAKA

- Aisyah, S. (2015). Evaluasi Kondisi Kualitas Air Sungai-Sungai di Wilayah DKI Jakarta. *Pertemuan Ilmiah Masyarakat Limnologi Indonesia*, 188–204.
- Amirtharajah, A. (1985). The interface between filtration and backwashing. *Water Research*, 19(5), 581–588.
- Amirtharajah, A., & Wetstein, D. P. (1980). Initial Degradation of Effluent Quality During Filtration. *Journal / American Water Works Association*, 72(9), 518–524. <https://doi.org/10.1002/j.1551-8833.1980.tb04570.x>
- Badan Standardisasi Nasional. (2008). Tata Cara Perencanaan Unit Paket Pengolahan Air.
- Budiyono, & Sumardiono, S. (2013). Teknik Pengolahan Air (Edisi Pert). Graha Ilmu.
- C.Y.C. Chu & R. R. Yu. (2002). Population Dynamics and the Decline in Biodiversity : A Survey of the Literature Author (s): C . Y . C . Chu and R . R . Yu Source : *Population and Development Review* , Vol . 28 , Supplement : *Population and Environment : Methods of Analysis (2002)* , p. 28(2002), 126–143.
- Duran-Ros, M., Puig-Bargués, J., Arbat, G., Barragán, J., & Cartagena, F. R. de. (2009). Effect of filter, emitter and location on clogging when using effluents. *Agricultural Water Management*, 96(1), 67–79. <https://doi.org/10.1016/j.agwat.2008.06.005>
- Fajri, M. N., Handayani, Y. L., & Sutikno, S. (2017). Efektifitas Rapid Sand Filter Untuk Meningkatkan Kualitas Air Daerah Gambut Di Provinsi Riau. *Jom FTEKNIK*, 4(1), 1–9.
- Garg, T., Hamilton, S. E., Hochard, J. P., Kresch, E. P., & Talbot, J. (2018). (Not so) gently down the stream: River pollution and health in Indonesia. *Journal of Environmental Economics and Management*, 92, 35–53. <https://doi.org/10.1016/j.jeem.2018.08.011>

- Husaini, H., Cahyono, S. S., Suganal, S., & Hidayat, K. N. (2018). Perbandingan Koagulan Hasil Percobaan Dengan Koagulan Komersial Menggunakan Metode Jar Test. *Jurnal Teknologi Mineral Dan Batubara*, 14(1), 31. <https://doi.org/10.30556/jtmb.vol14.no1.2018.387>
- Kurniadi, B., Hariyadi, S., & Adiwilaga, E. M. (2015). Kualitas Perairan Sungai Buaya di Pulau Bunyu Kalimantan Utara pada Kondisi Pasang Surut (Buaya River Water Quality in Bunyu Island of North Kalimantan at Tidal Condition). *Jurnal Ilmu Pertanian Indonesia (JIPI)*, 20(1), 53–58. journal.ipb.ac.id/index.php/JIPI
- Kustanto, A. (2020). Dinamika Pertumbuhan Penduduk dan Kualitas Air di Indonesia. *Jiep*, 20(1), 12–20.
- Letterman, R. D. (1999). *Water Quality and Treatment*. McGraw Hill Education.
- Maryani, D., Masduqi, A., Lingkungan, J. T., & Teknik, F. (2014). Pengaruh Ketebalan Media dan Rate Filtrasi pada Sand Filter dalam Menurunkan Kadar Kekeruhan dan Total Coliform. *Jurnal Teknik POMITS*, 3(2), 1–6.
- Mawaddati, I., Munfarida, I., & Hakim, A. (2021). Evaluasi Daya Tampung Beban Pencemaran Air Sungai Wonokromo (Kali Jagir) Kota Surabaya. *Jurnal Teknik Lingkungan*, 7(1), 33–43. <http://journalsaintek.uinsby.ac.id/index.php/alard/index>
- Metcalf, & Eddy. (2014). *Wastewater Engineering*. McGraw Hill Education.
- Nasrabadi, T., Ruegner, H., Sirdari, Z. Z., Schwientek, M., & Grathwohl, P. (2016). Using total suspended solids (TSS) and turbidity as proxies for evaluation of metal transport in river water. *Applied Geochemistry*, 68, 1–9. <https://doi.org/10.1016/j.apgeochem.2016.03.003>
- Nkwonta, O. (2010). A comparison of horizontal roughing filters and vertical roughing filters in wastewater treatment using gravel as a filter media. *International Journal of Physical Sciences*, 5(8), 1240–1247.

- Nurmalia, Denisa., Shinta, E., & Aryo, S. (2019). Pengaruh Diameter Pasir Silika dan Zeolit Pada Saringan Pasir Lambat dalam Menurunkan Parameter Kekeruhan Air Sungai Siak. *JOM FTEKNIK*, 2(6), 1 - 8. <https://jom.unri.ac.id/index.php/JOMFTEKNIK/article/viewFile/24486/23715>
- Pamularsih, C., Choanji, D., & Widiassa, N. (2013). Penyisihan Kekeruhan Pada Sistem Pengolahan Air Sungai Tembalang Dengan Teknologi Rapid Sand Filter. *Jurnal Teknologi Kimia Dan Industri*, 2(4), 48–54. <http://ejournal-s1.undip.ac.id/index.php/jtkiTelp/Fax>:
- Pemerintah Republik Indonesia. (2021). Lampiran VI tentang Baku Mutu Air Nasional - PP Nomor 22 Tahun 2021 Tentang Penyelenggaraan Perlindungan dan Pengelolaan Lingkungan Hidup. *Sekretariat Negara Republik Indonesia*, 1(078487A), 483. <http://www.jdih.setjen.kemendagri.go.id/>
- Pratama, H., Handayani, Y. L., & Sujatmoko, B. (2017). Efektifitas Backwashing untuk Menjaga Kinerja Rapid Sand Filter di Daerah Gambut. *Fakultas Teknik*, 4(1), 1–8.
- Reza, R., & Singh, G. (2010). Assessment of Ground Water Quality Status by Using Water Quality Index Method in Orissa, India. *World Applied Sciences Journal*, 9(12), 1392–1397.
- Risuana, I. G. S., Hendrawan, I. G., & Suteja, Y. (2017). Distribusi Spasial Total Padatan Tersuspensi Puncak Musim Hujan Di Permukaan Perairan Teluk Benoa, Bali. *Journal of Marine and Aquatic Sciences*, 3(2), 223. <https://doi.org/10.24843/jmas.2017.v3.i02.223-232>
- Riyanda Agustira, Kemala Sari Lubis, J. (2019). Kajian Karakteristik Kimia Air, Fisika Air Dan Debit Sungai Pada Kawasan Das Padang Akibat Pembuangan Limbah Tapioka. *Tjyybjb.Ac.Cn*, 3(2), 58–66. <http://www.tjyybjb.ac.cn/CN/article/downloadArticleFile.do?attachType=PDF&id=9987>

- Said, N. I. (2017). Teknologi Pengolahan Air Limbah: Teori dan Aplikasi.
- Selintung, M., & Syahrir, S. (2012). Studi Pengolahan Air Melalui Media Filter Pasir Kuarsa (Studi Kasus Sungai Malimpung). *Hasil Penelitian Fakultas Teknik*, 6(December), 978–979. <https://doi.org/10.13140/RG.2.2.10247.83362>
- Sembiring, E., Fajar, M., & Handajani, M. (2021). Performance of rapid sand filter - single media to remove microplastics. *Water Supply*, 21(5), 2273–2284. <https://doi.org/10.2166/ws.2021.060>
- Shammas, N. K., & Wang, L. K. (2016). Hydraulics, Distribution and Treatment. In *Water Engineering*.
- Syahputra, B., Islam, U., Agung, S., Poedjiastoeti, H., Islam, U., & Agung, S. (2022). *Bab-7 FILTRASI. August*.
- Sze, Y. S., Aris, A., Zaidi, N. S., & Bahrodin, M. B. (2021). Performance of Sand Filtration System with Different Sand Bed Depth for Polishing Wastewater Treatment. *Journal of Environmental Treatment Techniques*, 9(2), 451–456. [https://doi.org/10.47277/jett/9\(2\)456](https://doi.org/10.47277/jett/9(2)456)