

## DAFTAR PUSTAKA

- Akratos, C. S., & Tsihrintzis, V. A. (2007). Effect of temperature, HRT, vegetation and porous media on removal efficiency of pilot-scale horizontal subsurface flow constructed wetlands. *Ecological Engineering*, 29(2), 173-191.
- Amadea, D. (2018). Efisiensi Removal Kadar TSS dan COD pada Pengolahan Air Limbah Industri Tahu dengan Teknologi Plasma. *In Universitas Brawijaya Malang (Vol. 6, Issue 1)*.
- Amalia, D. R., Zaman, B., & Hadiwidodo, M. (2014). Tanah Tpa Terhadap Penurunan Konsentrasi Bod Dan Cod Dalam Lindi ( Studi Kasus TPA Jatibarang – Semarang ). *Jurnal Teknik Lingkungan*.
- Astuti, A. D., Lindu, M., Yanidar, R., & Kleden, M. M. (2017). Kinerja Subsurface Constructed Wetland Multylayer Filtration Tipe Aliran Vertikal Dengan Menggunakan Tanaman Akar Wangi (*Vetivera Zozanoides*) Dalam Penyisihan BOD Dan COD Dalam Air Limbah Kantin. *Penelitian Dan Karya Ilmiah*, 1(2), 91–108.
- Brix, H. (1994). Functions of macrophytes in constructed wetlands. *Water Science and Technology*, 29(4), 71-78.
- Brix, H. (1997). Do macrophytes play a role in constructed treatment wetlands?. *Water Science and Technology*, 35(5), 11-17. <https://doi.org/10.25105/pdk.v1i2.1456>.
- Chinniah, K., Lang, P., Lungle, K., Rayner, M., Stewart, G., & Williams, L. (2000). *Guidlines for The Approval and Design of Natural and Constructed Treatment Wetlands for Water Quality Improvement*. Alberta Environment.
- Ebrahimi, A., Taheri, E., Ehrampoush, M. H., Nasiri, S., Jalali, F., Soltani, R., & Fatehizadeh, A. (2013). Efficiency of constructed wetland vegetated with cyperus alternifolius applied for municipal wastewater treatment. *Journal of Environmental and Public Health*, 2013, 1–5. <https://doi.org/10.1155/2013/815962>

- Gardner, F.P., Pearce, R.B., & Mitchell, R.L. (1985). *Physiology of Crop Plants*. Iowa State University Press.
- Gupta, P., Ann, T. W., & Lee, S. M. (2016). Use of biochar to enhance constructed wetland performance in wastewater reclamation. *Environmental Engineering Research*, 21(1), 36–44. <https://doi.org/10.4491/eer.2015.067>.
- Hijosa-Valsero, M. (2010). Optimization of Performance Assesment and Design Characteristics in Constructed Wetland for The Removal of Organic Matter”. *Chemospher*, vol. 8, 1:651-657.
- Hunt, R. (1982). *Plant Growth Curves: The Functional Approach to Plant Growth Analysis*. Edward Arnold Publishers.
- Irsyada, M. Z., Fauziyyah, H. A., & Sari, A. P. (2023). Utilization of Nutgrass ( *Cyperus Rotundus* L .) as a Phytoremediator in Reducing BOD and COD Levels of Batik Liquid Waste Using Constructed Wetlands in Sub-Surface Flow Type. 21(2), 60–69.
- Kadlec, R.H., & Wallace, S.D. (2009). *Treatment Wetlands*. CRC Press.
- Kasman, M., Riyanti, A., Sy, S., & Ridwan, M. (2018). Reduksi pencemar limbah cair industri tahu dengan tumbuhan *Cyperus Rotundus*(*Echinodorus palaefolius*) dalam sistem kombinasi constructed wetland dan filtrasi. *Jurnal Litbang Industri*, 8(1), 39. <https://doi.org/10.24960/jli.v8i1.3832.39-46>.
- Kaswinarni, F. (2007). Kajian Teknis Pengolahan Limbah Padat Dan Cair Industri Tahu (Studi Kasus Industri Tahu Tandang Semarang, Sederhana Kendal, dan Gagak Sipat Boyolali). *In Universitas Diponegoro*.
- Kaswinarni, F. (2012). Kajian Teknik Pengolahan Limbah Padat dan Caid Industri Tahu Studi Kasus Industri Tahu Tandang Semarang , Sederhana Kendal dan Gagak Sipat Boyolali. *Kesehatan Lingkungan*, 4(2), 1–20.
- Khiatuddin, M. (2003). *Melestarikan Sumber Daya Air Dengan Teknologi Rawa Buatan*. Gajah Mada University Press, Yogyakarta.
- Kyambedde, J., Kansime, F., Gumaelius, L., dan Dalhammar, G. (2005). “A Comparative Study of *Cyperus papyrus* 63 and *Miscanthidium violaceum*-based

- Constructed Wetlands For Wastewater Treatment in a Tropical Climate”. *Water Research*, vol 38, 4:475-485.
- Lestari, G., Kencana, I.K. (2015). *Tanaman Hias; Lanskap*, 1st ed. *Penebar Swadaya*, Jakarta.
- Liang, M., Zhang, C., Peng, C., Lai, Z., Chen, D., dan Chen, Z. (2011). “Plant Growth, Community Structure and Nutrient Removal in Monoculture and Mixed Constructed Wetlands”. *Ecological Engineering*, vol.37, 1:309-316.
- Li, L., & Zhang, Y. (2008). Sediment and phosphorus removal by constructed wetland with different macrophytes in Xi’an. *Ecological Engineering*, 32(4), 275-284.
- Metcalf, & Eddy. (2004). *Wastewater Engineering Treatment and Reuse 4th Edition*. In *Mc Graw Hill* (Vol. 179, Issue 18). <https://doi.org/10.1093/nq/179.18.317-a>
- Moenandir, J. (1993). *Pengantar Ilmu dan Pengendalian Gulma (Ilmu Gulma-Buku 1)*. *Citra Niaga Rajawali Press*. Jakarta.
- Oktavia, L., Hidayat, A. D. N., Purnama, A. R., & Taqwanur, T. (2023). Efektifitas Kombinasi Media dalam Penyisihan BOD dan TSS Limbah Cair Rumah Makan Menggunakan Constructed Wetland dengan Tanaman Cyperus Papyrus. *Media Ilmiah Teknik Lingkungan*, 8(2), 74–82. <https://doi.org/10.33084/mitl.v8i2.5519>
- Peraturan Menteri Lingkungan Hidup Republik Indonesia Nomor 5 Tahun 2014*. (2014).
- Prasetyaningtyas, D. *Evaluasi Kinerja Sistem Subsurface Flow Constructed Wetland pada IPAL Domestik Tlogo Mas, Malang*. Surabaya; 2003.
- Prayitno, P. (2013). Pengurangan COD dan BOD limbah cair terolah industri penyamakan kulit menggunakan taman tanaman air dengan tanaman melati air. *Maj. Kulit, Karet, dan Plast.* 29, 37–42. doi:10.20543/mkcp.v29i1.217.
- Ratnawati, R., & Talarima, A. (2017). Subsurface (SSF) Constructed Wetland Untuk Pengolahan Air Limbah Laundry. *Teknik Waktu*, 15(2), 1–6.
- Sari, P., Sudarno, & Wisnu, I. (2015). Pengaruh Jumlah Tanaman Cyperus Alternifolius Dan Waktu Tinggal Limbah Dalam Penyisihan Kadar Ammoniak, Nitrit, Dan Nitrat (Studi Kasus : Pabrik Minyak Kayu Putih). *Jurnal Teknik Lingkungan*, 4(2), 1– 9.

- Silva, M.E., Duarte, A.C., & Nogueira, R. (2015). Adsorption of heavy metals by activated carbons and silica sands. *Journal of Environmental Chemistry*, 20(5), 320-327.
- SNI 06.6989.72. (2019). Cara Uji Kebutuhan Oksigen Biokimia (Biochemical Oxygen Demand/BOD).
- SNI 06.6989.73. (2019). Cara uji Kebutuhan Oksigen Kimiawi (Chemical Oxygen Demand/COD) dengan Refluks Tertutup Secara Titrimetri
- SNI 06-6989.3-2019. (2019). Air dan Air Limbah-Bagian 3: Cara Uji Padatan Tersuspensi Total secara Gravimetri. Badan Standardisasi Nasional.
- Sri Roliya. (2021). Penurunan Kadar Pencemar Limbah Binatu Dengan Metode Constructed Wetland Menggunakan Tanaman Rumput Teki.
- Setiabudi, A., Hardian, R., dan Mudzakir, A. (2012). Karakterisasi Material; Prinsip dan Aplikasinya dalam Penelitian Kimia. *UPI Press*. Bandung.
- Sugiharto. (1987). *Dasa-Dasar Pengolahan Air Limbah*. Unuversitas Indonesia Press.
- Suriawira, U. (1986). Mikrobiologi Air dan Dasar-dasar Pengolahan Buangan Secara Biologis. Bandung: Alumi.
- Tadesse, I., Green, F. B., & Puhakka, J. A. (2004). Seasonal and diurnal variations of temperature, pH, and dissolved oxygen in advanced integrated wastewater pond systems treating tannery effluent. *Water Research*, 38(3), 645-654.
- Taiz, L., & Zeiger, E. (2006). *Plant Physiology*. *Sinauer Associates*.
- Tanner, C.C., Nguyen, M.L., & Sukias, J.P.S. (2002). Influence of wastewater characteristics on nitrogen removal in constructed wetlands. *Water Science and Technology*, 48(5), 215-224
- Tangahu, B.V. dan Warmadewanthi, I.D.A.A. (2001). “Pengelolaan Limbah Rumah Tangga Dengan Memanfaatkan Tanaman Cattail (*Typha angustifolia*) dalam Sistem Constructed Wetland”. *Purifikasi*, 2(3), ITS – Surabaya.
- Theophile, F., Sako, I.B., Martin, L., Fabrice, M.T., dan Akoa, A.(2013). Potential of *Cyperus papyrus* in Yard-Scale Horizontal Flow Constructed Wetland for Wastewater Treatment in Cameroon. *Universal Journal of Environmental Research and Technology*, vol.1, 2:160-168.

- Triwiswara, M. (2019). Penurunan BOD dan COD pada Limbah Cair Industri Batik dengan Sistem Constructed Wetland Menggunakan Tanaman *Hippochaetes lymenalis* BOD. pp. 1–11.
- Vymazal, J. (2007). Removal of nutrients in various types of constructed wetlands. *Science of the Total Environment*, 380(1-3), 48-65.
- Wallace, Scott D. dan Robert L. Knight. (2006). Small Scale Constructed Wetland Treatment Systems : Feasibility, Design Criteria, and O&M Requirements. *The Water Environment Research Foundation*, United kingdom.
- Yuan, J.-H., Xu, R.-K., & Zhang, H. (2011). The forms of alkalis in the biochar produced from crop residues at different temperatures. *Bioresource Technology*, 102(3), 3488-3497.
- Zhang, Y. (2012). Design of a Constructed Wetland for Wastewater Treatment and Reuse in Mount Pleasant , Utah. *Master Thesis*, 1–98. [http://digitalcommons.usu.edu/cgi/view\\_content.cgi?article=1232&context=gradreports](http://digitalcommons.usu.edu/cgi/view_content.cgi?article=1232&context=gradreports).
- Zhang, D., Gersberg, R. M., Ng, W. J., & Tan, S. K. (2014). Removal of pharmaceuticals and personal care products in aquatic plant-based systems: A review. *Environmental Pollution*, 184, 620-63