

DAFTAR PUSTAKA

- Alviomora, C., Mifbakhudin, & Wardani, R. S. (2018). Fitoremediasi Tanaman Daun Kiambang Dan Kayu Apu Terhadap Penurunan Kadar COD Limbah Cair Home Industry Batik (Kampung Batik Rejomulyo Semarang). *Fitoremediasi Tanaman Daun Kiambang Dan Kayu Apu Terhadap Penurunan Kadar COD Limbah Cair Home Industry Batik (Kampung Batik Rejomulyo Semarang)*, 28.
- Angrianto, N. L., Manusawai, J., & Sinery, A. S. (2021). Analisis Kualitas Air Lindi dan Permukaan pada areal TPA Sowi Gunung dan Sekitarnya di Kabupaten Manokwari Papua Barat. *Cassowary*, 4(2), 221–233. <https://doi.org/10.30862/cassowary.cs.v4.i2.79>
- Bavasso, I. (2018). *Shortcut Biological Nitrogen Removal (SBNR) in an MFC Anode Chamber under Microaerobic Conditions : The Effect of C / N Ratio and Kinetic Study. 1*, 1–14. <https://doi.org/10.3390/su10041062>
- Çek, N. (2017). Examination of Zinc Electrode Performance in *Microbial Fuel Cells*. *Gazi University Journal of Science*, 30(4), 395–402. <https://dergipark.org.tr/en/pub/gujs/issue/32802/337805>
- Cheng, S., & Logan, B. E. (2018). Increasing power generation for scaling up single-chamber air cathode *Microbial Fuel Cells*. *Bioresource Technology*, 102(6), 4468–4473. <https://doi.org/10.1016/j.biortech.2010.12.104>
- Doherty, L., Zhao, X., Zhao, Y., & Wang, W. (2015). The effects of electrode spacing and flow direction on the performance of *Microbial Fuel Cell-Constructed Wetland*. *Ecological Engineering*, 79, 8–14. <https://doi.org/10.1016/j.ecoleng.2015.03.004>
- Doherty, L., Zhao, Y., Zhao, X., & Wang, W. (2015). Nutrient and organics removal from swine slurry with simultaneous electricity generation in an alum sludge-based *Constructed Wetland* incorporating *Microbial Fuel Cell* technology. *Chemical Engineering Journal*, 266, 74–81. <https://doi.org/10.1016/j.cej.2014.12.063>
- Fajariyah, C. (2017). *Studi Literatur Pengolahan Lindi Tempat Pemrosesan Akhir (TPA) Sampah Dengan Teknik Constucted Wetland Menggunakan Tumbuhan*

Air. 19–21.

- Fang, Z., Cheng, S., Wang, H., Cao, X., & Li, X. (2017). Feasibility study of simultaneous azo dye decolorization and bioelectricity generation by *Microbial Fuel Cell*-coupled *Constructed Wetland*: substrate effects. *RSC Advances*, 7(27), 16542–16552. <https://doi.org/10.1039/c7ra01255a>
- Gadkari, S., Fontmorin, J. M., Yu, E., & Sadhukhan, J. (2020). Influence of temperature and other system parameters on *Microbial Fuel Cell* performance: Numerical and experimental investigation. *Chemical Engineering Journal*, 388(July 2019), 124176. <https://doi.org/10.1016/j.cej.2020.124176>
- Golzarian, M., Ghiasvand, M., Shokri, S., Bahreini, M., & Kazemi, F. (2024). Performance evaluation of a dual-chamber plant *Microbial Fuel Cell* developed for electricity generation and wastewater treatment. *International Journal of Environmental Science and Technology*, 21(7), 5947–5954. <https://doi.org/10.1007/s13762-023-05415-5>
- González, T., Puigagut, J., & Vidal, G. (2021). Science of the Total Environment Organic matter removal and nitrogen transformation by a *Constructed Wetland-Microbial Fuel Cell* system with simultaneous bioelectricity generation. *Science of the Total Environment*, 753, 142075. <https://doi.org/10.1016/j.scitotenv.2020.142075>
- Guo, Y., Wang, J., Shinde, S., Wang, X., Li, Y., & Dai, Y. (2020). *RSC Advances Simultaneous wastewater treatment and energy harvesting in microbial fuel cells: an update on the biocatalysts*. 25874–25887. <https://doi.org/10.1039/d0ra05234e>
- Hermayanti, A., & Nugraha, I. (2017). Potensi perolehan energi listrik dari limbah cair industri tahu dengan metode salt bridge *Microbial Fuel Cell* (The potency of obtaining electrical energy from tofu industry liquid waste using salt bridge *Microbial Fuel Cell* method). *J. Sains Dasar*, 3(2), 162–168.
- Ira, S., & Fadolul, S. (n.d.). *Processing Leaf Waste Into Compost Using Rice Water And Em4 Fermentation Activators in the environment of Mambaul Ulum Bata-bata Pamekasan Islamic Boarding School which*.
- Kesarwani, S., Panwar, D., Mal, J., Pradhan, N., & Rani, R. (2023). *Constructed*

- Wetland Coupled Microbial Fuel Cell: A Clean Technology for Sustainable Treatment of Wastewater and Bioelectricity Generation. Fermentation*, 9(1). <https://doi.org/10.3390/fermentation9010006>
- Kris, H. T. (2017). Secara Simultan Oleh *Microbial Fuel Cells* (Mfcs) Simultaneous Wastewater Treatment and Electricity Production Using Microbial Fuel. *Jurnal Teknik Dan Ilmu Komputer*, 6(22), 113–124.
- Lee, H., Bush, J., Hwang, Y., & Radermacher, R. (2016). Modeling of micro-CHP (combined heat and power) unit and evaluation of system performance in building application in United States. *Energy*, 58, 364–375. <https://doi.org/10.1016/j.energy.2013.05.015>
- Leicester, D. D., Amezcua, J. M., Moore, A., & Heidrich, E. S. (2020). Optimising the hydraulic retention time in a pilot-scale microbial electrolysis cell to achieve high volumetric treatment rates using concentrated domestic wastewater. *Molecules*, 25(12). <https://doi.org/10.3390/molecules25122945>
- Moe, W. M., & Irvine, R. L. (2019). *Effect Of Nitrogen Limitation On Performance Of Toluene Degrading Biofilters*. 35(6), 1407–1414.
- Nafisah, A. (2020). *Degradasi Kandungan Chemical Oxygen Demand (COD) Pada Limbah Tenun Oleh Bakteri Endofit*. 1–75.
- Oktarina, D., & Haki, H. (2017). Perencanaan Instalasi Pengolahan Lumpur Tinja Sistem Kolam Kota Palembang. *Jurnal Teknik Sipil Dan Lingkungan*, 1(1), 74–79.
- Radi Hadi, Muhammad. Al-Fetlawi, H. A. Z. (2017). Influence of Electrods Characteristic on The Performance of a *Microbial Fuel Cell*. *University of Babylon*, 25(4), 1328–1338.
- Ramesh, P., Gupta, R., Koventhan, C., Muralitharan, G., Lo, A. Y., Huang, Y. J., & Ramasamy, S. (2025). Recent Trends in the Use of Electrode Materials for *Microbial Fuel Cells* Accentuating the Potential of Photosynthetic Cyanobacteria and Microalgae: A Review. *Processes*, 13(5). <https://doi.org/10.3390/pr13051348>
- Santoro, C., Arbizzani, C., Erable, B., & Ieropoulos, I. (2017). *Microbial Fuel Cells: From fundamentals to applications. A review. Journal of Power*

- Sources*, 356, 225–244. <https://doi.org/10.1016/j.jpowsour.2017.03.109>
- Santoso, A. D. (2018). Keragaan Nilai DO, BOD dan COD di Danau Bekas Tambang Batubara Studi Kasus pada Danau Sangatta North PT. KPC di Kalimantan Timur. *Jurnal Teknologi Lingkungan*, 19(1), 89. <https://doi.org/10.29122/jtl.v19i1.2511>
- Ungusari, E. (2015). No Title空間像再生型立体映像の研究動向. *Nhk技研*, 151, 10–17.
- Unisah, S., & Akbari, T. (2020). Pengolahan Limbah Cair Tahu Dengan Metode Fitoremediasi Tanaman Azolla Microphylla Pada Industri Tahu B Kota Serang. *Jurnal Lingkungan Dan Sumber Daya Alam*, 3(2), 73–86.
- Vymazal, J., & Březinová, T. (2015). The use of *Constructed Wetlands* for removal of pesticides from agricultural runoff and drainage: A review. *Environment International*, 75, 11–20. <https://doi.org/10.1016/j.envint.2014.10.026>
- Wei, J., Liang, P., & Huang, X. (2018). Recent progress in electrodes for *Microbial Fuel Cells*. *Bioresource Technology*, 102(20), 9335–9344. <https://doi.org/10.1016/j.biortech.2011.07.019>
- Wu, Q., Liu, J., Li, Q., Mo, W., Wan, R., & Peng, S. (2022). Effect of Electrode Distances on Remediation of Eutrophic Water and Sediment by Sediment *Microbial Fuel Cell* Coupled Floating Beds. *International Journal of Environmental Research and Public Health*, 19(16). <https://doi.org/10.3390/ijerph191610423>
- Yadav, A. K., Dash, P., Mohanty, A., Abbassi, R., & Mishra, B. K. (2015). Performance assessment of innovative *Constructed Wetland-Microbial Fuel Cell* for electricity production and dye removal. *Ecological Engineering*, 47, 126–131. <https://doi.org/10.1016/j.ecoleng.2012.06.029>
- Yamane, T., Yoshida, N., & Sugioka, M. (2021). Estimation of total energy requirement for sewage treatment by a *Microbial Fuel Cell* with a one-meter air-cathode assuming Michaelis-Menten COD degradation. *RSC Advances*, 11(33), 20036–20045. <https://doi.org/10.1039/d1ra03061b>
- Zeiger, S. J., & Hubbart, J. A. (2021). Measuring and modeling event-based environmental flows: An assessment of HEC-RAS 2D rain-on-grid

simulations. *Journal of Environmental Management*, 285(January), 112125.
<https://doi.org/10.1016/j.jenvman.2021.112125>