

DAFTAR PUSTAKA

- Ahn, Yongtae, Hatzell, M. C., Zhang, F., & Logan, B. E. (2014). Different electrode configurations to optimize performance of multi-electrode microbial fuel cells for generating power or treating domestic wastewater. *Journal of Power Sources*, 249, 440–445. <https://doi.org/10.1016/j.jpowsour.2013.10.081>
- Ahn, Youngho, & Logan, B. E. (2010). Bioresource Technology Effectiveness of domestic wastewater treatment using microbial fuel cells at ambient and mesophilic temperatures. *Bioresource Technology*, 101(2), 469–475. <https://doi.org/10.1016/j.biortech.2009.07.039>
- Ali, A. E., Gomaa, O. M., Fathey, R., Abd, H., & Kareem, E. (2015). Optimization of double chamber microbial fuel cell for domestic wastewater treatment and electricity production. 43(9).
- Filliazati, M., Apriani, I., & Zahara, T. A. (2013). Pengolahan Air limbah domestik Dengan Biofilter Aerob Menggunakan Media Bioball Dan Tanaman Kiambang. *Jurnal Teknologi Lingkungan Lahan Basah*, 1(1), 1–10. <https://doi.org/10.26418/jtlb.v1i1.4028>
- Flimban, S. G. A., Ismail, I. M. I., Kim, T., & Oh, S. E. (2019). Overview of recent advancements in the microbial fuel cell from fundamentals to applications: Design, major elements, and scalability. *Energies*, 12(17). <https://doi.org/10.3390/en12173390>
- Haribowo, R., Megah, S., & Rosita, W. (2019). Efisiensi Sistem Multi Soil Layering Pada Pengolahan Air Limbah Domestik Pada Daerah Perkotaan Padat Penduduk. *Jurnal Teknik Pengairan*, 10(1), 11–27. <https://doi.org/10.21776/Ub.Pengairan.2019.010.01.2>
- Herlambang, A., Nugroho, R., Idaman Said, N., Hermaningsih, T., Raharjo, N., Widayat, W., & Setiyono, P. (2005). *Pengolahan Air Limbah Rumah Makan / Restoran 4.1*. (R. Marsidi, S. Rahayu, & H. Yudho, Satmoko, Indriatmoko

(Eds.); Pp. 85–98). Kantor Pengendalian Dampak Lingkungan Hidup (Kapedal).

Hays, S., Zhang, F., & Logan, B. E. (2011). Performance of two different types of anodes in membrane electrode assembly microbial fuel cells for power generation from domestic wastewater. *Journal of Power Sources*, 196(20), 8293–8300. <https://doi.org/10.1016/j.jpowsour.2011.06.027>

He, Y.-R., Xiao, X., Li, W.-W., Sheng, G.-P., Yan, F.-F., Yu, H.-Q., Yuanc, H., & Wuc, L.-J. (2012). *Enhanced electricity production from microbial fuel cells with plasma-modified carbon paper anode.*

Irpan. (2018). *Studi Perancangan Sistem Seri, Paralel Dan Kombinasi Pada Teknologi Microbial Fuel Cell Sebagai Produksi Energi Listrik Menggunakan Limbah Industri Tahu.* 53(9), 1689–1699. <https://doi.org/10.1017/Cbo9781107415324.004>

Jenie, B. S. L., & Rahayu, W. P. (1993). *Penanganan Limbah Industri Pangan.* Kanisius.

Juliastuti, S. R., Darmawan, R., Hendrianie, N., Prakoso, G. A., & Bachtiar, T. A. (2019). *Influence of Shewanella oneidensis MR-1 Bacterial Metabolism Process On Waste Treatment Of Cr And Mn Metals In Reactor Microbial Fuel Influence of Shewanella oneidensis MR-1 Bacterial Metabolism Process On Waste Treatment Of Cr And Mn Metals In Reactor Mi.* <https://doi.org/10.1088/1757-899X/543/1/012089>

Karmakar, S., Kundu, K., & Kundu, S. (2010). Design and Development of Microbial Fuel cells.

Kim, K., Yang, W., & Logan, B. E. (2015). Impact of electrode configurations on retention time and domestic wastewater treatment efficiency using microbial fuel cells. *Water Research*, 80, 41–46. <https://doi.org/10.1016/j.watres.2015.05.021>

Lahbib Latrach, Naaila Ouazzani, Tsugiyuki Masunaga, Abdessamad Hejjaj, Khadija

- Bouhoum, Mustapha Mahi, Laila Mandi. (2016). Domestic wastewater disinfection by combined treatment using multi-soil-layering system and sand filters (MSL-SF): A laboratory pilot study. *Ecological Engineering* 91 (2016) 294–301.
- Li, F. (2009). *Treatment Of Household Grey Water For Non-Potable Reuser*. Hamburg University Of Technology.
- Liu, G., Yates, M. D., Cheng, S., Call, D. F., Sun, D., & Logan, B. E. (2011). Bioresource Technology Examination of microbial fuel cell start-up times with domestic wastewater and additional amendments. *Bioresource Technology*, 102(15), 7301–7306. <https://doi.org/10.1016/j.biortech.2011.04.087>
- Liu, H., & Logan, B. (2004). Electricity Generation Using An Air Cathode Single Chamber Microbial Fuel Cell In The Presence And Absence Of Proton Exchange Membrane. *J. Environmental Science Technology*, 38:4040.
- Liu, H. 2008. Microbial Fuel Cell: Novel Anaerobic Biotechnology for Energy Generation from wastewater. *Anaerobic Biotechnology for Bioenergy Production: Principles and Applications*. S. K. Khanal. Iowa, Blackwell Publishing: 221-243.
- Mardianto, W. (2014). Pengolahan Limbah Cair Rumah Makan Menggunakan Sistem Kombinasi Abr Dan Wetland Dengan Sistem Kontinyu. *Jurnal Teknologi Lingkungan Lahan Basah*, 2(1), 1–10. <https://doi.org/10.26418/jtlb.v2i1.6746>
- Muftiana, I., Suyati, L., & Widodo, D. S. (2018). The Effect Of $\text{K}_2\text{Cr}_2\text{O}_7$ And $\text{K}_3[\text{Fe}(\text{Cn})_6]$ Concentrations On Electrical Production In Fuel Cell Microbial System With *Lactobacillus Bulgaricus* Bacteria In A Tofu Whey Substart. *Jurnal Kimia Sains Dan Aplikasi*, 21(1), 49. <https://doi.org/10.14710/jksa.21.1.49-53>
- Mustakeem. (2015). Electrode Materials For Microbial Fuel Cells: Nanomaterial Approach. *Materials For Renewable And Sustainable Energy*, 4(4), 1–11.

<https://doi.org/10.1007/S40243-015-0063-8>

Nandy, A., & Kundu, P. P. (2018). Configurations of Microbial Fuel Cells. In *Progress and Recent Trends in Microbial Fuel Cells* (Issue June). Elsevier B.V. <https://doi.org/10.1016/B978-0-444-64017-8.00003-8>

Novitasari, D. (2011). *Optimasi Kinerja Microbial Fuel Cell (Mfc) Untuk Produksi Energi Listrik Menggunakan Bakteri Lactobacillus Bulgaricus*. Fakultas Teknik Universitas Indonesia.

Park, Y., Cho, H., Yu, J., Min, B., Suck, H., Goon, B., & Lee, T. (2017). *Bioresource Technology Response of microbial community structure to pre-acclimation strategies in microbial fuel cells for domestic wastewater treatment*. 233, 176–183.

Park, Y., Nguyen, V. K., Park, S., Yu, J., & Lee, T. (2018). Bioresource Technology Effects of anode spacing and flow rate on energy recovery of flat-panel air-cathode microbial fuel cells using domestic wastewater. *Bioresource Technology*, 258(February), 57–63. <https://doi.org/10.1016/j.biortech.2018.02.097>

Park, Y., Park, S., Nguyen, V. K., Yu, J., Torres, C. I., Rittmann, B. E., & Lee, T. (2017). *Complete nitrogen removal by simultaneous nitrification and denitrification in flat-panel air-cathode microbial fuel cells treating domestic wastewater*. 316, 673–679.

Puig, S., Serra, M., Coma, M., Cabré, M., Balaguer, M. D., & Colprim, J. (2010). *Bioresource Technology Effect of pH on nutrient dynamics and electricity production using microbial fuel cells*. 101, 9594–9599. <https://doi.org/10.1016/j.biortech.2010.07.082>

Puji, & Rahmi, N. (2009). *Pengolahan Air limbah domestik Menggunakan Lumpur Aktif Proses Anaerob*. Universitas Diponegoro, Fakultas Teknik. Semarang.

Saeni, M. (1989). *Kimia Lingkungan* (P. 151). Pustaka Antar Universitas Ilmu Hidayat, Institut Pertanian Bogor. Bogor.

- Shaikh, S., & Patil, N. P. (2016). *Microbial Fuel Cell: Design And Operation Research And Reviews: Journal Of Microbiology And Microbial Fuel Cell: Design And Operation*. September, 0–8.
- Subed, C. D. S., Feng, C., & Yu, C.-P. (2015). Microbial Fuel Cells for Wastewater Treatment. In *Biotechnologies and Biomimetics for Civil Engineering Microbial*. Springer International Publishing Switzerland. <https://doi.org/10.1007/978-3-319-09287-4>
- Wu, S., He, W., Yang, W., Ye, Y., Huang, X., & Logan, B. E. (2017). Combined carbon mesh and small graphite fiber brush anodes to enhance and stabilize power generation in microbial fuel cells treating domestic wastewater. *Journal of Power Sources*, 356, 348–355. <https://doi.org/10.1016/j.jpowsour.2017.01.041>
- Wulan, D. R., Permana, D., & Putra, H. E. (2014). *Performance of Microbes Consortium on Single-chamber Microbial Fuel Cell as Electricity Generation*. August 2015.
- Yi Zhang, Yan Cheng, Chunping Yang, Wei Luo, Guangming Zeng, Li Luc. (2015). *Performance Of System Consisting Of Vertical Flow Trickling Filter And Horizontal Flow Multi-Soil- Layering Reaktor For Treatment Of Rural Wastewater*. *Bioresource Technology* 193 (2015) 424–432.
- Yudo, S., & Said, N. I. (2017). Kebijakan Dan Strategi Pengelolaan Air Limbah Domestik Di Indonesia. *Jurnal Rekayasa Lingkungan*, 10(2), 58–75. <Http://Ejurnal.Bppt.Go.Id/Index.Php/Jrl/Article/View/2847>
- Zahara, N. C. (2011). *Pemanfaatan Saccharomyces cerevisiae Dalam sistem Microbial Fuel Cell Untuk Produksi Energi Listrik*. Fakultas Teknik Universitas Indonesia.
- Zahra, L. Z., & Purwanti, I. F. (2015). Pengolahan Limbah Rumah Makan Dengan Proses Biofilter Aerobik. *Jurnal Teknik Its*, 4(1), D35–D39. <https://doi.org/10.12962/J23373539.V4i1.8882>

Zhao, N., Jiang, Y., Alvarado-morales, M., Treu, L., Angelidaki, I., & Zhang, Y. (2018). *Bioelectrochemistry Electricity generation and microbial communities in microbial fuel cell powered by macroalgal biomass*. 123, 145–149.

<https://www.fuelcellstore.com/nafion-117>. Di akses pada 25 November 2020

<https://www.membrain.cz/en/ion-exchange-membranes.html> diakses pada 25 November 2020

https://www.contecinc.com/assets/int071_wipes_for_critical_environments_eu_jpbr3_qb.pdf diakses pada 25 November 2020

