

DAFTAR PUSTAKA

- Abdullah, N., Ujang, Z., & Yahya, A. (2011). Aerobic granular sludge formation for high strength agro-based wastewater treatment. *Bioresource Technology*, 102(12), 6778–6781. <https://doi.org/10.1016/j.biortech.2011.04.009>
- Adav, S. S., Lee, D. J., & Lai, J. Y. (2009). Aerobic granulation in sequencing batch reactors at different settling times. *Bioresource Technology*, 100(21), 5359–5361. <https://doi.org/10.1016/j.biortech.2009.05.058>
- Adav, S. S., Lee, D. J., Show, K. Y., & Tay, J. H. (2008). Aerobic granular sludge: Recent advances. *Biotechnology Advances*, 26(5), 411–423. <https://doi.org/10.1016/j.biotechadv.2008.05.002>
- Ahmad, A. L., Chong, M. F., Bhatia, S., & Ismail, S. (2006). Drinking water reclamation from palm oil mill effluent (POME) using membrane technology. *Desalination*, 191(1–3), 35–44. <https://doi.org/10.1016/j.desal.2005.06.033>
- Ahmad, A. L., Ismail, S., & Bhatia, S. (2003). Water recycling from palm oil mill effluent (POME) using membrane technology. *Desalination*, 157(1–3), 87–95. [https://doi.org/10.1016/S0011-9164\(03\)00387-4](https://doi.org/10.1016/S0011-9164(03)00387-4)
- Akbarzadeh, A., Khodabakhshi, A., & Arbabi, M. (2012). Optimization of SBR system for enhanced biological phosphorus and nitrogen removal. *International Journal of Environmental Health Engineering*, 1(1), 49. <https://doi.org/10.4103/2277-9183.105348>
- Ammary, B. Y. (2004). *Nutrients requirements in biological industrial wastewater treatment*. 3(April), 236–238.
- Baird, R., & Bridgewater, L. (2017). Standard Methods for the Examination of Water and Wastewater. *Standard Methods for the Examination of Water and Wastewater: 23rd Edition*, 1–1545. <https://doi.org/10.1016/B978-0-12-382165-2.00237-3>
- Bengtson, H. H. (2019). *Biological Wastewater Treatment Processes I: Activated Sludge Credit: 2 PDH*. 877. <http://www.bcu.org/index.asp?SEC=B72FCC01-8879-4FC8-BA9C->
- Cetin, E., Karakas, E., Dulekgurgen, E., Ovez, S., Kolukirik, M., & Yilmaz, G. (2018). Effects of high-concentration influent suspended solids on aerobic granulation in pilot-scale sequencing batch reactors treating real domestic wastewater. *Water Research*, 131, 74–89. <https://doi.org/10.1016/j.watres.2017.12.014>
- E., B., Khan, M. R., & Prasad, D. (2013). Treatment of Palm Oil Mill Effluent in Microbial Fuel Cell Using Polyacrylonitrile Carbon Felt as Electrode. *Journal of Medical and Bioengineering*, 2(4), 252–256. <https://doi.org/10.12720/jomb.2.4.252-256>

Edward, J. B., Idowu, E. O., & Oyebola, O. E. (2015). Impact of Palm Oil Mill Effluent on Physico-chemical Parameters of a Southwestern River , Ekiti State , Nigeria . *Journal of Natural Sciences Research*, 5(14), 26–31.

Hamza, R. A., Iorhemen, O. T., Zaghloul, M. S., & Tay, J. H. (2018). Rapid formation and characterization of aerobic granules in pilot-scale sequential batch reactor for high-strength organic wastewater treatment. *Journal of Water Process Engineering*, 22(November 2017), 27–33. <https://doi.org/10.1016/j.jwpe.2018.01.002>

Higgins, P. (2013). ORP Management in Wastewater as an Indicator of Process Efficiency. *Interstate Water Report*. <https://www.ysi.com/ysi-blog/water-blogged-blog/2013/08/orp-management-in-wastewater-as-an-indicator-of-process-efficiency>

Kementerian Perdagangan Republik Indonesia. (2020). *Kelapa Sawit dan Olahannya HS 1511*. 15.

Liew, W. L., Kassim, M. A., Muda, K., Loh, S. K., & Affam, A. C. (2015). Conventional methods and emerging wastewater polishing technologies for palm oil mill effluent treatment: A review. *Journal of Environmental Management*, 149, 222–235. <https://doi.org/10.1016/j.jenvman.2014.10.016>

Liu, Y. Q., & Tay, J. H. (2006). Variable aeration in sequencing batch reactor with aerobic granular sludge. *Journal of Biotechnology*, 124(2), 338–346. <https://doi.org/10.1016/j.jbiotec.2005.12.037>

Liu, Y. Q., & Tay, J. H. (2007). Influence of cycle time on kinetic behaviors of steady-state aerobic granules in sequencing batch reactors. *Enzyme and Microbial Technology*, 41(4), 516–522. <https://doi.org/10.1016/j.enzmictec.2007.04.005>

Metcalf, & Eddy. (2003). Wastewater Engineering: Treatment and Reuse Fourth Edition. In *Chemical engineering* (Issue 4, p. 1819).

Nancharaiah, Y. V., & Kiran Kumar Reddy, G. (2018). Aerobic granular sludge technology: Mechanisms of granulation and biotechnological applications. *Bioresource Technology*, 247, 1128–1143. <https://doi.org/10.1016/j.biortech.2017.09.131>

Nghiem, L. D., Manassa, P., Dawson, M., & Fitzgerald, S. K. (2014). Oxidation reduction potential as a parameter to regulate micro-oxygen injection into anaerobic digester for reducing hydrogen sulphide concentration in biogas. *Bioresource Technology*, 173(September), 443–447. <https://doi.org/10.1016/j.biortech.2014.09.052>

Nurul Adela, B., Muzzammil, N., Loh, S. K., & Choo, Y. M. (2014). Characteristics of palm oil mill effluent (Pome) in an anaerobic biogas digester. *Asian Journal of Microbiology, Biotechnology and Environmental Sciences*, 16(1), 225–231.

Obaja, D., MacÉ, S., & Mata-Alvarez, J. (2005). Biological nutrient removal by a sequencing batch reactor (SBR) using an internal organic carbon source in digested piggery wastewater. *Bioresource Technology*, 96(1), 7–14. <https://doi.org/10.1016/j.biortech.2004.03.002>

Pemerintah Republik Indonesia. (2021). Peraturan Pemerintah Nomor 22 Tahun 2021 tentang Pedoman Perlindungan dan Pengelolaan Lingkungan Hidup. *Sekretariat Negara Republik Indonesia*, 1(078487A), 483. <http://www.jdih.setjen.kemendagri.go.id/>

- Pijuan, M., Guisasola, A., Baeza, J. A., Carrera, J., Casas, C., & Lafuente, J. (2005). Aerobic phosphorus release linked to acetate uptake: Influence of PAO intracellular storage compounds. *Biochemical Engineering Journal*, 26(2–3), 184–190. <https://doi.org/10.1016/j.bej.2005.04.014>
- Poh, P. E., & Chong, M. F. (2009). Development of anaerobic digestion methods for palm oil mill effluent (POME) treatment. *Bioresource Technology*, 100(1), 1–9. <https://doi.org/10.1016/j.biortech.2008.06.022>
- Qin, L., Liu, Y., & Tay, J. H. (2004). Effect of settling time on aerobic granulation in sequencing batch reactor. *Biochemical Engineering Journal*, 21(1), 47–52. <https://doi.org/10.1016/j.bej.2004.03.005>
- Quan, X., Zhang, M., Lawlor, P. G., Yang, Z., & Zhan, X. (2012). Nitrous oxide emission and nutrient removal in aerobic granular sludge sequencing batch reactors. *Water Research*, 46(16), 4981–4990. <https://doi.org/10.1016/j.watres.2012.06.031>
- Rahardjo, P. N. (2009). Studi Banding Teknologi Pengolahan. *Jurnal Teknik Lingkungan*, 10(1), 9–18.
- Ramadhani, L. I., Damayanti, S. I., Sudibyo, H., & Budhijanto, W. (2018). Kinetics of Anaerobic Digestion of Palm Oil Mill Effluent (POME) in Double-Stage Batch Bioreactor with Recirculation and Fluidization of Microbial Immobilization Media. *IOP Conference Series: Materials Science and Engineering*, 316(1). <https://doi.org/10.1088/1757-899X/316/1/012071>
- Sarma, S. J., & Tay, J. H. (2018). Carbon, nitrogen and phosphorus removal mechanisms of aerobic granules. *Critical Reviews in Biotechnology*, 38(7), 1077–1088. <https://doi.org/10.1080/07388551.2018.1451481>
- Sharma, S., Sarma, S. J., & Tay, J. H. (2019). Aerobic granulation in wastewater treatment: A general overview. In *Microbial Wastewater Treatment*. Elsevier Inc. <https://doi.org/10.1016/B978-0-12-816809-7.00004-X>
- Suttayakul, P., H-Kittikun, A., Suksaroj, C., Mungkalasiri, J., Wisansuwannakorn, R., & Musikavong, C. (2016). Water footprints of products of oil palm plantations and palm oil mills in Thailand. *Science of the Total Environment*, 542, 521–529. <https://doi.org/10.1016/j.scitotenv.2015.10.060>
- Tay, J.-H., Tay, S. T.-L., Yu, L., Yeow, S. K., & Ivanov, V. (2006). Biogranulation Technologies for Wastewater Treatment. In *Biogranulation Technologies for Wastewater Treatment* (Vol. 6). <http://www.sciencedirect.com/science/article/pii/S0713274306801066%0Ahttp://linkinghub.elsevier.com/retrieve/pii/S0713274306801066>
- US EPA. (n.d.-a). *Method 354.1: Nitrogen, Nitrite (Spectrophotometric)*.

US EPA. (n.d.-b). *Method 365.3: Phosphorous, All Forms (Colorimetric, Ascorbic Acid, Two Reagent)*. www.epa.gov

Wang, S. G., Liu, X. W., Gong, W. X., Gao, B. Y., Zhang, D. H., & Yu, H. Q. (2007). Aerobic granulation with brewery wastewater in a sequencing batch reactor. *Bioresource Technology*, 98(11), 2142–2147. <https://doi.org/10.1016/j.biortech.2006.08.018>