



## DAFTAR PUSTAKA

BPS (2018) *Proyeksi Penduduk menurut Provinsi, 2010-2035*. Available at: <https://www.bps.go.id/statictable/2014/02/18/1274/proyeksi-penduduk-menurut-provinsi-2010---2035.html>.

Budhijanto, W., Deendarlianto, Kristiyani, H., & Satriawan, D. (2015) ‘Enhancement of aerobic wastewater treatment by the application of attached growth microorganisms and microbubble generator’, *International Journal of Technology*, 6(7), pp. 1101–1109. doi: 10.14716/ijtech.v6i7.1240.

Chan, Y. J., Chong, M. F., Law, C. L., & Hassell, D. G. (2009) ‘A review on anaerobic-aerobic treatment of industrial and municipal wastewater’, *Chemical Engineering Journal*, 155(1–2), pp. 1–18. doi: 10.1016/j.cej.2009.06.041.

Cheng, H., Zhu, Q. & Xing, Z. (2019) ‘Adsorption of ammonia nitrogen in low temperature domestic wastewater by modified cation bentonite’, *Journal of Cleaner Production*. Elsevier Ltd, 233, pp. 720–730. doi: 10.1016/j.jclepro.2019.06.079.

Damarjati, B. A. (2019) *Rancang Bangun Reaktor Aerob Tertutup Dan Optimasi Kondisi Operasi Microbubble Generator Dalam Sistem Pengolahan Limbah*. Universitas Gadjah Mada.

Deendarlianto, Wiratni, Tontowi, A.E., Indarto & Iriawan A.G. (2015) ‘The Implementation Of A Developed Microbubble Generator On The Aerobic Wastewater Treatment’, *International Journal of Technology*, pp. 924–930.

Donlan, R. M. (2002) ‘Biofilms : Microbial Life on Surfaces’, *Emerging Infectious Diseases*, 8(9), pp. 881–890. doi: 10.3201/eid0809.020063.

Doran, P. M. (1995) *Bioprocess Engineering Principles*. San Diego: Academic Press Inc.

Dridya, M. A. (2017) *Experimental Study on The Energy Consumption of The Developed Microbubble Generator for The Industrial Wastewater Treatment Application in Piyungan Landfill Site, Bantul, Yogyakarta*. Universitas Gadjah Mada.

Ebrahimi, S. and Borghei, M. (2011) ‘Formaldehyde biodegradation using an immobilized bed aerobic bioreactor with pumice stone as a support’, *Scientia Iranica*. Elsevier B.V., 18(6), pp. 1372–1376. doi: 10.1016/j.scient.2011.01.001.

Ezechi, E. H., Rahman, S., Isa, M.H., Malakahmad & A., Ibrahim, S.U (2015) ‘Chemical Oxygen Demand Removal from Wastewater by Integrated Bioreactor’,



Fadlurohman, P. (2013) *The Effect of Bubbling Generation Methods on the Performance of Microbubble Generator Pressurized Type*. Gadjah Mada University.

G. Tchobanoglous, F. Burton, H. D. S. (2003) *Wastewater Engineering: Treatment and Reuse*. 4th edn. Edited by MetCalf and Eddy. New York: McGraw-Hill Companies.

George Tchobanoglous, Franklin Burton, D. S. (2003) *Wastewater Engineering Treatment and Reuse*. Fourth. Metcalf & Eddy, Inc.

Gerardi, M. H. (2006) *Wastewater Bacteria*. New Jersey: A JOHN WILEY & SONS, INC.

Ghunmi, L. A., Zeeman, G., Fayyad, M., & Van Lier, J. B. (2011) ‘Grey water treatment systems: A review’, *Critical Reviews in Environmental Science and Technology*, 41(7), pp. 657–698. doi: 10.1080/10643380903048443.

Hernandez-alvarado, F., Kalaga, D.V., Turney, D., Banerjee, S., Joshi, J.B., & Kawaji, M (2017) ‘Void fraction , bubble size and interfacial area measurements in co-current downflow bubble column reactor with microbubble dispersion’, *Chemical Engineering Science*. Elsevier Ltd, 168, pp. 403–413. doi: 10.1016/j.ces.2017.05.006.

Kiso, Y., Jung, Y., Ichinari, T., Park, M., Kitao, T., Nishimura, K., & Min, K. (2000) ‘Wastewater Treatment Performance of a Filtration Bio-Reactor Equiped With a Mesh As a Filter Material.Pdf’, *Water Research*, 34(17).

Li, F., Wichmann, K. & Otterpohl, R. (2009) ‘Review of the technological approaches for grey water treatment and reuses’, *Science of the Total Environment*. Elsevier B.V., 407(11), pp. 3439–3449. doi: 10.1016/j.scitotenv.2009.02.004.

Liu, C., Tanaka, H., Ma, J., Zhang, L., Zhang, J., Huang, X., & Matsuzawa, Y. (2012) ‘Effect of microbubble and its generation process on mixed liquor properties of activated sludge using Shirasu porous glass (SPG) membrane system’, *Water Research*. Elsevier Ltd, 46(18), pp. 6051–6058. doi: 10.1016/j.watres.2012.08.032.

Morel, A. (2005) *Grey Water Treatment on Household Level In Development Country*. Zurich.

Morel, A. and Diener, S. (2006) *Greywater Management in Low and Middle-Income Countries*. Swiss Federal Institute of Aquatic Science and Technology (Eawag). Dübendorf, Switzerland.

Palmquist, H. (2005) ‘Hazardous substances in separately collected grey- and



Pambudiarto, B. A. (2019) *Evaluasi Pengaruh Variabel Operasi pada Aerator Microbubble Generator (MBG) Terhadap Dissolved Oxygen (DO) untuk Budidaya Ikan Nila(Oreochromis Niloticus)*. Gadjah Mada.

Rittmann,Bruce;McCarty, P. (2001) *Environmental Biotechnology : Principles and Application*. New York: McGraw-Hill Companies.

Sadatomi, M., Kawahara, A., Matsuura, H., & Shikatani, S. (2012) ‘Microbubble generation rate and bubble dissolution rate into water by a simple multi-fluid mixer with orifice and porous tube’, *Experimental Thermal and Fluid Science*. Elsevier Inc., 41, pp. 23–30. doi: 10.1016/j.expthermflusci.2012.03.002.

Shalindry, R. O., Rohmadi, R.& Budhijanto, W. (2015) ‘Penguraian Limbah Organik secara Aerobik dengan Aerasi Menggunakan Microbubble Generator dalam Kolam dengan Imobilisasi Bakteri’, *Jurnal Rekayasa Proses*, 9(2), pp. 24–30.

Shuler, M. L. and Kargi, F. (2002) *Bioprocess Engineering: Basic Concepts*. 2nd edn. New Jersey: Prentice Hall,Inc.

Von Sperling, M. (2007a) *Activated Sludge and Aerobic Biofilm Reactors*. 1st edn. London: IWA Publishing.

Von Sperling, M. (2007b) *Basic Principles of Wastewater Treatment*. London: IWA Publishing.

Terasaka, K., Hirabayashi, A., Nishino, T., Fujioka, S., & Kobayashi, D. (2011) ‘Development of microbubble aerator for waste water treatment using aerobic activated sludge’, *Chemical Engineering Science*. Elsevier, 66(14), pp. 3172–3179. doi: 10.1016/j.ces.2011.02.043.

UN (2018) *Sustainable Development Goals*. Available at: [www.un.org/sustainabledevelopment/water-and-sanitation/](http://www.un.org/sustainabledevelopment/water-and-sanitation/).

UN Inter-agency Group (2017) *WHO/Levels and trends in child mortality 2017*. Available at: [https://www.unicef.org/publications/files/Child\\_Mortality\\_Report\\_2017.pdf](https://www.unicef.org/publications/files/Child_Mortality_Report_2017.pdf).