

REFERENCES

- [1] Badan Standarisasi Nasional (2012) Tempeh: Persembahan Indonesia untuk Dunia [online]. Available: bsn.go.id/uploads/download/Booklet_tempeh-printed21.pdf
- [2] Ministry of Environment, The Government of Indonesia (2014) The Decree on Effluent Standard for Industrial Wastewater [online]. Available: menlhk.co.id/simppuh/public/uploads/files/MLH%20P.5.pdf
- [3] L.C Direstiyani, "Review on the application of combination between anaerobic baffled reactor (ABR) and anaerobic/aerobic biofilter (AF) for treating industrial tempeh wastewater", M.Eng thesis, Sepuluh Nopember Institute of Technology (ITS), Surabaya, Indonesia, 2016.
- [4] A. Goli, A. Shamiri, S. Khosroyar, A. Talaiekhosani, R. Sanaye, K. Azizi, "A review on different aerobic and anaerobic treatment methods in dairy industry wastewater", *J. Environ. Treat. Tech.*, vol.6 (1), pp. 113-141, 2019.
- [5] I.F.S Santos, R.M Barros, G.L.T Filho, "Electricity generation from biogas of anaerobic wastewater treatment plants in Brazil: an assessment of feasibility and potential", *Journal of Cleaner Production*, vol.126, pp. 504-514, 2016.
- [6] A. Elreedy, A. Tawfik, A. Enitan, S. Kumari, F. Bux, "Pathways of 3-biofuels (hydrogen, ethanol and methane) production from petrochemical industry wastewater via anaerobic packed bed baffled reactor inoculated with mixed culture bacteria", *Energy Conversion and Management*, vol. 122, pp. 119-130, 2016.
- [7] B. Wang, Y. Li, D. Wang, R. Liu, Z. Wei, N. Ren, "Simultaneous coproduction of hydrogen and methane from sugary wastewater by an ACSTR_H-UASB_{Met} system", *International Journal of Hydrogen Energy*, vol. 38, pp. 7774-7779, 2013.
- [8] P. Intanoo, P. Rangsavigit, P. Maalukul, S. Chvadej, "Optimization of separate hydrogen and methane production from cassava wastewater using two-stage upflow anaerobic sludge blanket reactor (UASB) system under thermophilic operation", *Bioresource Technology*, vol. 173, pp. 256-265, 2014.
- [9] Y.S Wong, T.T Teng, S.A Ong, M. Norhashimah, M. Rafatullah, J.Y. Leong, "Methane gas production from palm oil wastewater-an anaerobic methanogenic degradation process in continuous stirred suspended closed anaerobic reactor", *Journal of the Taiwan Institute of Chemical Engineers*, vol.45, pp. 896-900, 2014.
- [10] V. Stazi, M.C. Tomei, "Enhancing anaerobic treatment of domestic wastewater: state of the art, innovative technologies and future perspectives", *Science of the Total Environment*, vol. 635, pp. 78 – 91, 2018.
- [11] M. Sarioglu (Cebeci), O.B Gokcek, "Treatment of automotive industry wastewater using anaerobic batch reactors: the influence of substrate/inoculum and molasses/wastewater", *Process Safety and Environmental Protection*, vol. 102, pp. 648-654, 2016.
- [12] A. Aziz, F. Basheer, A. Sengar, Irfanullah, S.U. Khan, I.H. Farooqi, "Biological wastewater treatment (Anaerobic-aerobic) technologies for safe discharge of treated slaughterhouse and meat processing wastewater", *Science of The Total Environment*, vol. 686, pp. 681 – 708, 2019.
- [13] F. Raposo, M.A D Rubia, V. Fernandez-Cegri, R. Borja, "Anaerobic digestion of solid organic substrates in batch mode: an overview relating to methane yields and experimental procedures", *Renewable and Sustainable Energy Reviews*, vol. 16, pp.861-877, 2011.
- [14] P. Latifi, M. Karrabi, S. Danesh, "Anaerobic co-digestion of poultry slaughterhouse wastes with sewage sludge in batch-mode bioreactors (effect of inoculum-substrate ratio and total solids)", *Renewable and Sustainable Energy Reviews*, vol. 107, pp. 288-296, 2019.
- [15] C. Mao, J. Xi, Y. Feng, X. Wang, G. Ren, "Biogas production and synergistic correlations of systematic parameters during batch anaerobic digestion of corn straw", *Renewable Energy*, vol. 132, pp. 1271-1279, 2019.
- [16] A. Schnurer, A. Jarvis, "A. Microbiological handbook for biogas plants", *Swedish Waste Management*, Rep. 1 – 74, 2010.
- [17] S. Sarker, J.J Lamb, D.R Hjelme and K.M Lien, "A review of the role of critical parameters in the design and operation of biogas production plants", *Applied Science*, vol. 9, pp. 1-38, 2019.
- [18] E. Elbeshbishy, G. Nakhla, "Batch anaerobic co-digestion of proteins and carbohydrates", *Bioresource Technology*, vol. 116, pp.170-178, 2012.
- [19] T. Sayara and A. Sanchez, "A review on anaerobic digestion of lignocellulosic wastes: pre-treatments and operational conditions", *Applied Sciences*, vol. 9, pp. 1-23, 2019.
- [20] C. Zhang, G. Xiao, L. Peng, H. Su, T. Tan, "The anaerobic co-digestion of food waste and cattle manure", *Bioresource Technology*, vol. 129, pp. 170 – 176, 2013.
- [21] A. Xia, J. Cheng, J.D Murphy, "Innovation in biological production and upgrading of methane and hydrogen for use as gaseous transport biofuel", *Biotechnology Advances*, vol. 34, pp. 451-472, 2016.
- [22] J. Jiang, Y. Zhang, K. Li, Q. Wang, C. Gong, M. Li, "Volatile fatty acids production from food waste: effects of pH, temperature and organic loading rate", *Bioresource Technology*, vol. 143, pp. 525-530, 2013.
- [23] Y. Wang, B. Zang, X. Gong, Y. Liu, G. Li, "Effects of pH buffering agents on the anaerobic hydrolysis acidification stage of kitchen waste", *Waste Management*, vol. 68, pp. 603-609, 2017.
- [24] C.P.C Bong, L.Y Lim, C.T Lee, J.J Klemes, C.S Ho, W.S Ho, "The characterization and treatment of food waste for improvement of biogas production during anaerobic digestion – a review", *Journal of Cleaner Production*, vol. 172, pp. 1545-1558, 2018.
- [25] S. Hedge and T.A Trabold, "Anaerobic digestion of food waste with unconventional co-substrates for stable biogas production at high organic loading rates", *Sustainability*, vol.11, pp. 1-15, 2019.
- [26] W. Zhang, L. Li, W. Xing, B. Chen, L. Zhang, A. Li, R. Li and T. Yang, "Dynamic behaviors of batch anaerobic systems of food waste for methane production under different organic loads, substrate to inoculum ratios and initial pH", *Journal of Bioscience and Bioengineering*, vol. 128, pp. 733-743, 2019.
- [27] G. Cuff, A.E. Turcios, E.M. Pajooh, O. Kujawski, D. Weichgrebe, K.H. Rosenwinkel, "High-rate anaerobic treatment of wastewater from soft drink industry: methods, performance and experiences", *Journal of Environmental Management*, vol. 220, pp. 8 – 15, 2018.
- [28] S.K Awasthi, R. Joshi, H. Dhar, S. Verma, M.K Awasthi, S. Varjani, S. Sarsaiya, Z. Zhang, S. Kumar, "Improving methane yield and quality via co-digestion of cow dung mixed with food waste", *Bioresource Technology*, vol. 251, pp. 259-263, 2018.
- [29] F.M Pellerá, E. Gidarakos, "Effect of substrate to inoculum ratio and inoculum type on the biochemical methane potential of solid agroindustrial waste", *Journal of Environmental Chemical Engineering*, vol. 4, pp. 3217-3229, 2016.
- [30] D.P Van, T. Fujiwara, B.L Tho, P.P.S Toan, G.H Minh, "A review of anaerobic digestion systems for biodegradable waste: configurations, operating parameters and current trends", *Environmental Engineering Research*, vol. 25(1), pp. 1-17, 2020.