

- Arrodli, M. Z., Muhartini, M. and Taryono, T. (2016) ‘Pemanfaatan Vinasse -Limbah Industri Alkohol- Untuk Perbaikan Sifat Fisik Tanah Dalam Pengembangan Tebu (*Saccharum Officinarum* L) Di Lahan Pasir Pantai’, *Jurnal Sains & Teknologi Lingkungan*, 3(2), pp. 108–114. doi: 10.20885/jstl.vol3.iss2.art4.
- Astuti, W. and Mahatmanti, W. (2017) ‘Pembuatan pupuk fermentasi cair berbasis limbah vinasse’, *Rekayasa*, 15, pp. 55–57.
- Atmaca, E. (2009) ‘Treatment of Landfill Leachate by Using Electro-Fenton Method’, *Journal of Hazardous Materials*, 163(1), pp. 109–114. doi: 10.1016/j.jhazmat.2008.06.067.
- Beltran de Heredia, J., Dominguez, J. R. and Partido, E. (2005) ‘Physico-Chemical Treatment for The Depuration of Wine Distillery Wastewaters (Vinasses)’, *Water Science and Technology*, 51(1), pp. 159–166. doi: 10.2166/wst.2005.0020.
- Budiyono, B. (2014) ‘Pengaruh pH dan Rasio COD:N Terhadap Produksi Biogas dengan Bahan Baku Limbah Industri Alkohol (Vinasse)’, *Eksergi*, 11(1), p. 1. doi: 10.31315/e.v11i1.324.
- Cabrera-Díaz, A. *et al.* (2016) ‘Combined treatment of vinasse by an upflow anaerobic filter-reactor and ozonation process’, *Brazilian Journal of Chemical Engineering*, 33(4), pp. 753–762. doi: 10.1590/0104-6632.20160334s20150268.
- Chairunnisak, A. *et al.* (2018) ‘Comparative Study on The Removal of COD from POME by Electrocoagulation and Electro-Fenton Methods: Process Optimization’, *IOP Conference Series: Materials Science and Engineering*, 334(1). doi: 10.1088/1757-899X/334/1/012026.
- Chen, Y. *et al.* (2014) ‘Removal of COD and decolorizing from landfill leachate by Fenton’s reagent advanced oxidation’, *Clean Technologies and Environmental Policy*, 16(1), pp. 189–193. doi: 10.1007/s10098-013-0627-1.
- Deng, Y., Rosario-Muniz, E. and Ma, X. (2012) ‘Effects of inorganic anions on Fenton oxidation of organic species in landfill leachate’, *Waste Management and Research*, 30(1), pp. 12–19. doi: 10.1177/0734242X10378185.

Duesterberg, C. K., Mylon, S. E. and Waite, T. D. (2008) 'pH effects on iron-catalyzed oxidation using Fenton's reagent', *Environmental Science and Technology*, 42(22), pp. 8522–8527. doi: 10.1021/es801720d.

Effendi (2003) *Telaah Kualitas Air Bagi Pengolaan Sumber Daya dan Lingkungan Perairan*. Yogyakarta: Penerbit Kanisius.

España-Gamboa, E. *et al.* (2011) 'Vinasses: Characterization and Treatments', *Waste Management and Research*, 29(12), pp. 1235–1250. doi: 10.1177/0734242X10387313.

Fatihah, N. (2015) *Landfill Leachate Treatment by Combination of Electro-Fenton and Sequencing Batch Reactor Method*. Tun Hussein Onn Malaysia.

Fockedey, E. and Van Lierde, A. (2002) 'Coupling of anodic and cathodic reactions for phenol electro-oxidation using three-dimensional electrodes', *Water Research*, 36(16), pp. 4169–4175. doi: 10.1016/S0043-1354(02)00103-3.

Freddy, A. (2007) 'Proses Pengolahan Limbah di PG. Madukismo'. Yogyakarta.

Fuess, L. T. and Garcia, M. L. (2015) 'Bioenergy from stillage anaerobic digestion to enhance the energy balance ratio of ethanol production', *Journal of Environmental Management*, 162, pp. 102–114. doi: 10.1016/j.jenvman.2015.07.046.

Ganiyu, S. O., Zhou, M. and Martínez-Huitle, C. A. (2018) 'Heterogeneous electro-Fenton and photoelectro-Fenton processes: A critical review of fundamental principles and application for water/wastewater treatment', *Applied Catalysis B: Environmental*, 235(April), pp. 103–129. doi: 10.1016/j.apcatb.2018.04.044.

Guerreiro, L. F. *et al.* (2016a) 'Treatment of sugarcane vinasse by combination of coagulation/flocculation and Fenton's oxidation', *Journal of Environmental Management*, 181, pp. 237–248. doi: 10.1016/j.jenvman.2016.06.027.

Guerreiro, L. F. *et al.* (2016b) 'Treatment of Sugarcane Vinasse by Combination of Coagulation/Flocculation and Fenton's Oxidation', *Journal of Environmental Management*, 181, pp. 237–248. doi: 10.1016/j.jenvman.2016.06.027.

Hakika, D. C. *et al.* (2019) 'Decreasing COD in Sugarcane Vinasse Using The Fenton Reaction: The Effect of Processing Parameters', *Catalysts*, 9(11). doi: 10.3390/catal9110881.

- He, H. and Zhou, Z. (2017) 'Electro-fenton process for water and wastewater treatment', *Critical Reviews in Environmental Science and Technology*, 47(21), pp. 2100–2131. doi: 10.1080/10643389.2017.1405673.
- Iqbal, S. B., Muhammad, F. and Tontowi, I. (2012) 'Desain Proses Pengelolaan Limbah Vinasse dengan Metode Pemekatan dan Pembakaran pada Pabrik Gula-Alkohol Terintegrasi', *Teknik Pomits*, 1(1), pp. 1–6.
- Irmanto, Suyata and Zufahair (2013) 'Optimasi Penurunan COD, BOD, dan TSS Limbah Cair Industri Etanol (Vinasse) PSA Palimanan dengan Metode Multi Soil Layering (MSL)', pp. 131–141.
- Isyuniarto, Widdi Usada, A. P. dan S. (2005) 'Degradasi Fenol dalam Limbah Pengolahan Minyak Bumi dengan Ozon', pp. 76–81.
- Jiang, C. C. and Zhang, J. F. (2007) 'Progress and prospect in electro-Fenton process for wastewater treatment', *Journal of Zhejiang University: Science A*, 8(7), pp. 1118–1125. doi: 10.1631/jzus.2007.A1118.
- KEMENLH (2014) 'Peraturan Menteri Lingkungan Hidup Republik Indonesia No.5 tahun 2014 tentang Baku Muku Air Limbah', pp. 1–83.
- KEMENPERIN (2019) *Direktori Perusahaan Industri*. Available at: <http://kemenperin.go.id/direktori-perusahaan?what=alkohol&prov=0>.
- Khuri, A. I. (2011) 'Response Surface Methodology', in *International Encyclopedia of Statistical Science*, pp. 1229–1231. doi: 10.1007/978-3-642-04898-2_492.
- Kurt, U., Apaydin, O. and Gonullu, M. T. (2007) 'Reduction of COD in Wastewater from an Organized Tannery Industrial region by Electro-Fenton process', *Journal of Hazardous Materials*, 143(1–2), pp. 33–40. doi: 10.1016/j.jhazmat.2006.08.065.
- Madejón, E. *et al.* (2001) 'Agricultural use of three (sugar-beet) vinasse composts: Effect on crops and chemical properties of a Cambisol soil in the Guadalquivir river valley (SW Spain)', *Agriculture, Ecosystems and Environment*, 84(1), pp. 55–65. doi: 10.1016/S0167-8809(00)00191-2.
- Mariane, A. M. *et al.* (2017) 'Biodegradation and toxicity of waste from anaerobic fermentation of stillage', *African Journal of Biotechnology*, 16(37), pp. 1863–1870. doi: 10.5897/ajb2017.15968.

Metcalf & Eddy (1991) *Wastewater Engineering: Treatment, Disposal and Reuse*. Third Edit. New York: McGraw-Hill.

Montgomery, D. C. (2013) *Design and Analysis of Experiments*. Eighth edi. Arizona State University: John Wiley & Sons, Inc.

Munter, R. (2001) 'ADVANCED OXIDATION PROCESSES – CURRENT STATUS AND PROSPECTS', pp. 59–80.

Da Pozzo, A. *et al.* (2005) 'An experimental comparison of a graphite electrode and a gas diffusion electrode for the cathodic production of hydrogen peroxide', *Journal of Applied Electrochemistry*, 35(4), pp. 413–419. doi: 10.1007/s10800-005-0800-2.

Ranade, V. V. and Bhandari, V. M. (2014) *Industrial Wastewater Treatment, Recycling, and Reuse: An Overview, Industrial Wastewater Treatment, Recycling and Reuse*. Elsevier Ltd. doi: 10.1016/B978-0-08-099968-5.00001-5.

Reis, C. E. R. *et al.* (2019) 'Vinasse Treatment within the Sugarcane-Ethanol Industry Using Ozone Combined with Anaerobic and Aerobic Microbial Processes'. doi: 10.3390/environments6010005.

Rohmah, N. and Sugiarto, D. A. T. (2004) 'PENGARUH PH DAN KONSENTRASI ZAT WARNA PADA PENGURAIAN ZAT WARNA REMAZOL NAVY BLUE SCARLET DENGAN TEKNOLOGI AOP', pp. 38–43.

Siles, J. A. *et al.* (2011) 'Integrated ozonation and biomethanization treatments of vinasse derived from ethanol manufacturing', *Journal of Hazardous Materials*, 188(1–3), pp. 247–253. doi: 10.1016/j.jhazmat.2011.01.096.

Soeprijanto *et al.* (2010) 'Pengolahan Vinasse Dari Air Limbah Industri Alkohol menjadi Biogas Menggunakan Bioreaktor UASB', *Jurnal Purifikasi*, 11(1), pp. 11–20.

Stasinakis, A. S. (2008) 'Use of Selected AOPs for Wastewater Treatment - A Mini-Review', *Global NEST Journal*, 10(3), pp. 376–385.

Syaichurrozi, I. *et al.* (2020) 'Mechanistic model of electrocoagulation process for treating vinasse waste: Effect of initial pH', *Journal of Environmental Chemical Engineering*, 8(3). doi: 10.1016/j.jece.2020.103756.

Syaichurrozi, I., Budiyono and Sumardiono, S. (2013) 'Predicting kinetic model of biogas

production and biodegradability organic materials: Biogas production from vinasse at variation of COD/N ratio', *Bioresource Technology*, 149, pp. 390–397. doi: 10.1016/j.biortech.2013.09.088.

Syukur (2009) 'Mempelajari Teknologi Proses Produksi Etanol di PT. Rajawali II Unit PSA Palimanan Cirebon', *Laporan Kerja Lapangan Fakultas Teknologi Pertanian IPB, Bogor*.

Vatanpour, V., Daneshvar, N. and Rasoulifard, H. (2009) 'Electro-Fenton Degradation of Synthetic Dye Mixture: Influence of Intermediate', *Journal of Environmental Engineering Management*, 19(5), pp. 277–282. Available at: <https://www.researchgate.net/publication/228829199>.

Wahyuni, S. (2011) *Menghasilkan Biogas dari Aneka Limbah*. Jakarta: AgroMedia Pustaka.

Yulia, R. and Meilina, H. (2016) 'Aplikasi Metode Advance Oxidation Process (AOP) Fenton pada Pengolahan Limbah Cair Pabrik Kelapa Sawit Application of Advanced Oxidation Process (AOP) Fenton on Palm Oil Mill Effluent Treatment', *Jurnal Rekayasa Kimia dan Lingkungan*, 11(1), pp. 1–9.