

## DAFTAR PUSTAKA

- 23.9: Electrolysis of Water. (2016, June 27). Chemistry LibreTexts. [https://chem.libretexts.org/Bookshelves/Introductory\\_Chemistry/Introductory\\_Chemistry\\_\(CK-12\)/23%3A\\_Electrochemistry/23.09%3A\\_Electrolysis\\_of\\_Water](https://chem.libretexts.org/Bookshelves/Introductory_Chemistry/Introductory_Chemistry_(CK-12)/23%3A_Electrochemistry/23.09%3A_Electrolysis_of_Water)
- Abdurrahman, U., 2006. Kinerja Sistem Lumpur Aktif pada Pengolahan Limbah Cair. Surabaya.
- Al-Bat'hi, S. A. M., 2015. *Electrodeposition of Nanostructure Materials. In Electroplating of Nanostructures.* IntechOpen. <https://doi.org/10.5772/61389>
- Astutik T.P., Fariati, Herunata,. 2017. "Identifikasi Konsep Sukar dan Kesalahan Konsep Reaksi Redoks". (Malang: Jurnal Zarah Universitas Negeri Malang, 2017), hlm. 23.
- Bockris, J. O., & Oldfield, L. F., 1955. The oxidation-reduction reactions of hydrogen peroxide at inert metal electrodes and mercury cathodes. *Transactions of the Faraday Society*, 51(0), 249–259. <https://doi.org/10.1039/TF9555100249>
- Brillas, E., Sires, I., Oturan, M.A., 2009. Electro-Fenton process and related electrochemical technologies based on Fenton's reaction chemistry. *Chem.*
- Cabrera, L., Gutierrez, S., Menendez, N., Morales, M. P., & Herrasti, P. 2008. Magnetite nanoparticles: Electrochemical synthesis and characterization. *Electrochimica Acta*, 53(8), 3436–3441. <https://doi.org/10.1016/j.electacta.2007.12.006Rev.109,6570e6631>.
- Chaurasia, Amit & Mondal, Prasenjit., 2021. Hydrogen Production From Waste

and Renewable Resources. 10.4018/978-1-7998-4945-2.ch002.

Chen, J.X., Zhu, L.Z., 2006. Catalytic degradation of Orange II by UV-Fenton with hydroxyl-Fe-pillared bentonite in water. *Chemosphere* 65, 1249e1255.

CHM 112 finding reduction potential of Fe<sup>3+</sup> to Fe<sup>2+</sup> in base. (n.d.). Retrieved January 18, 2023, from [https://www.chm.uri.edu/weuler/chm112/lectures/iron\\_reduction\\_base.htm](https://www.chm.uri.edu/weuler/chm112/lectures/iron_reduction_base.htm)

Da Pozzo, A., Merli, C., Sirés, I. et al. 2005. Removal of the herbicide amitrole from water by anodic oxidation and electro-Fenton. *Environ Chem Lett* 3, 7–11. <https://doi.org/10.1007/s10311-005-0104-0>

Dobson, J., *Gene therapy progress and prospects: magnetic nanoparticle-based gene delivery*. *Gene therapy*, 2006. 13(4): p. 283.

Dyes and Pigments | Land Disposal Restrictions | Wastes | US EPA. (n.d.). Retrieved January 6, 2022, from <https://archive.epa.gov/epawaste/hazard/web/html/dyes.html>

*European Commission of HEALTH & CONSUMER PROTECTION* DIRECTORATE-GENERAL, 2010. *Nanomaterials: 3. What are the key criteria for defining nanomaterials?* (n.d.). Retrieved January 4, 2023, from [https://ec.europa.eu/health/scientific\\_committees/opinions\\_layman/nanomaterials2012/en/1-2/3.htm#1](https://ec.europa.eu/health/scientific_committees/opinions_layman/nanomaterials2012/en/1-2/3.htm#1)

Fenton, H.J.H., 1894. LXXIII. oxidation of tartaric acid in presence of iron. *J. Chem. Soc. Trans.* 65, 899e911.

Frarid, R dkk. 2012. “Perancangan dan Pembuatan Alat Pemproduksi Gas Brown dengan Metode Elektrolisis Berskala Laboratorium” *Jurnal Teknik Pomits* Vol. 1, No.1, (2012) 1-4, diakses tanggal 2 April 2014

- Guangwei S., Lixuan M., and Wensheng S., 2009. Electrodeposition of one-dimensional nanostructures, *Recent Patents Nanotechnol*, 3, 182-191.
- Harahap, M. R. (2016). Sel Elektrokimia: Karakteristik dan Aplikasi. *CIRCUIT: Jurnal Ilmiah Pendidikan Teknik Elektro*, 2(1).
- Haber, F., Weiss, J., 1934. The catalytic decomposition of hydrogen peroxide by iron salts. *Proc. Royal Soc. Lond. Ser. A* 147, 332e351
- Haw, C., et al. 2010., Hydrothermal synthesis of magnetite nanoparticles as MRI contrastagents. *Ceramics International*, 36(4): p. 1417-1422.
- Khan, I., Saeed, K., & Khan, I. (2019). Nanoparticles: Properties, applications and toxicities. *Arabian Journal of Chemistry*, 12(7), 908–931.  
<https://doi.org/10.1016/j.arabjc.2017.05.011>
- Lakshmanan, R., 2013. Application of magnetic nanoparticles and reactive filter materialsfor wastewater treatment. KTH Royal Institute of Technology.
- Lellis, B., Fávaro-Polonio, C. Z., Pamphile, J. A., & Polonio, J. C. (2019). *Effects of textile dyes on health and the environment and bioremediation potential of living organisms. Biotechnology Research and Innovation*, 3(2), 275–290.  
<https://doi.org/10.1016/j.biori.2019.09.001>
- Mancy, K. H., Okun, D. A., & Reilley, C. N. (1962). A galvanic cell oxygen analyzer. *Journal of Electroanalytical Chemistry* (1959), 4(2), 65-92.
- Mengenal B3 dan Limbah B3 | Dinas Lingkungan Hidup dan Kehutanan DIY. (n.d.). Retrieved September 17, 2021, from <https://dlhk.jogjaprov.go.id/mengenal-b3-dan-limbah-b3>
- Mengenal Limbah B3 | Dinas Lingkungan Hidup. (n.d.). Retrieved January 6, 2022, from <https://dlh.karanganyarkab.go.id/2014/02/24/mengenal-limbah-b3/>

- Ni, M. (2010). Modeling of a solid oxide electrolysis cell for carbon dioxide electrolysis. *Chemical Engineering Journal*, 164(1), 246-254.
- Pigment | chemistry | Britannica. (n.d.). Retrieved January 6, 2022, from <https://www.britannica.com/technology/pigment>.
- Rieger, P. H. (1993). *Electrochemistry*. Springer Science & Business Media.
- Nanoparticle | Definition, Size Range, & Applications | Britannica. (n.d.). Retrieved November 30, 2021, from <https://www.britannica.com/science/nanoparticle>
- Pigment | chemistry | Britannica. (n.d.). Retrieved January 6, 2022, from <https://www.britannica.com/technology/pigment/>
- Pignatello, J.J., Oliveros, E., MacKay, A., 2006. *Advanced oxidation processes for organiccontaminant destruction based on the Fenton reaction and related chemistry*. Crit. Rev. Environ. Sci. Technol. 36, 1e84.
- Pozzo, Anna Da, Paola Ferrantelli, Carlo Merli, and Elisabetta Petrucci. 2005. "Oxidation Efficiency in the Electro-Fenton Process." *Journal of Applied Electrochemistry* 35 (4): 391–98. <https://doi.org/10.1007/s10800-005-0801-1>.
- Rajendran, S, R J Rathish, S S Prabha, and A Anandan. 2016. "Green Electrochemistry - A Versatile Tool in Green Synthesis: An Overview." *Portugaliae Electrochimica Acta* 34 (5): 321–42. <https://doi.org/10.4152/pea.201605321>
- Simamora, P., Manullang, M., Munthe, J., & Rajagukguk, J. (2018). The Structural and Morphology Properties of Fe<sub>3</sub>O<sub>4</sub>/Ppy Nanocomposite. *Journal of Physics: Conference Series*, 1120, 012063. <https://doi.org/10.1088/1742->

6596/1120/1/012063

- Thiesen, B. and A. Jordan, Clinical applications of magnetic nanoparticles for hyperthermia. *International journal of hyperthermia*, 2008. 24(6): p. 467-474.
- Waluyo, L. 2010. *Teknik dan Metode Dasar dalam Mikrobiologi*. UMM Press
- Wang, J.L., Bai, Z.Y., 2017. Fe-based catalysts for heterogeneous catalytic ozonation of emerging contaminants in water and wastewater. *Chem. Eng. J.* 312, 79e98
- Wang, J.L., Zhuang, S., 2017. Removal of various pollutants from water and wastewater by modified chitosan adsorbents. *Crit. Rev. Environ. Sci. Technol.* 47, 2331e2386.
- Wang, J.L., Zhuang, S., 2019. Covalent organic frameworks (COFs) for environmental applications. *Coord. Chem. Rev.* 400, 213046.
- Wang, J.L., Xu, L.J., 2012. Advanced oxidation processes for wastewater treatment: formation of hydroxyl radical and application. *Crit. Rev. Environ. Sci. Technol.* 42, 251e325.
- Zheng, Y.F., Gu, X.N., Witte, F., 2014. Biodegradable metals. *Mater. Sci. Eng. R* 77, 1e34.