

## DAFTAR PUSTAKA

- Alim. Abdul, 2017, Penggunaan Nanopartikel Magnetit ( $\text{Fe}_3\text{O}_4$ ) Hasil Sintesis Pasir Besi Sebagai Material Penyerap Zat Warna Tekstil Helanthrene Blue Rcl Mp, Fakultas Sains Dan Teknologi Universitas Islam Negeri Sunan Kalijaga : Yogyakarta.
- Agus. R, 2019, Preparasi dan Karakteristik Fisis Nanopartikel Magnetit ( $\text{Fe}_3\text{O}_4$ ), Fakultas Matematika dan Ilmu Pengetahuan Alam (FMIPA) Universitas Lampung.
- Augustia, V. A. S., Lestari, I. D., & Rani, M. D. (2018). Degradasi Limbah Zat Warna Direk Dengan Metode Advanced Oxidation Processes (AOPs) Kombinasi  $\text{H}_2\text{O}_2/\text{MnO}_2$  dengan Parameter Uji BOD, COD dan pH. *Eksergi*, 15(1), 5. <https://doi.org/10.31315/e.v15i1.2249>
- Ayad, M., & Zaghlol, S. (2012). Nanostructured crosslinked polyaniline with high surface area: Synthesis, characterization and adsorption for organic dye. *Chemical Engineering Journal*, 204–205, 79–86. <https://doi.org/10.1016/j.cej.2012.07.102>
- BPS (2019) *Statistik Indonesia Statistical Yearbook Of Indonesia 2019, Statistik Indonesia 2019 (Indonesian statistics)*. Badan Pusat Statistik.
- C. Ucar, M.B. Baskan, A. Pala, Arsenic removal from drinking water by electrocoagulation using iron electrodes, *Korean J. Chem. Eng.* 30 (2013) 1889–1895,
- Camtakan, Zeyneb, Sema Erenturk, and Sabriye Yusan. “Magnesium Oxide Nanoparticles: Preparation, Characterization, and Uranium Sorption Properties.” *Environmental Progress and Sustainable Energy* 31, no. 4 (December 2012): 536–43.
- Emeka, E. E., Ojiefoh, O. C., Aleruchi, C., Hassan, L. A., Christiana, O. M., Rebecca, M., Dare, E. O., & Temitope, A. E. (2014). Evaluation of antibacterial activities of silver nanoparticles green-synthesized using pineapple leaf (*Ananas comosus*). *Micron*, 57(C), 1–5.

<https://doi.org/10.1016/j.micron.2013.09.003>

Firmansyah, Dody.(2020). Identifikasi Gugus Hidroksil dan Karbonil dalam Senyawa Organik Pada Tanaman Daun Nanas. Universitas Qamarul Huda Badaruddin. Volume 3, Nomor 1, Hal. 49-53.

Gautam, A. *et al.* (2018) “Green synthesis of iron nanoparticle from extract of waste tea: An application for phenol red removal from aqueous solution”, *Environmental Nanotechnology, Monitoring and Management*, 10, pp. 377–387.

Grandys, P Rika.; D Istria.; P.R Ahmad.; F Amanda, P.; Analisis luas permukaan arang aktif dengan menggunakan metode BET (SAA). Universitas Negeri Semarang. Semarang. 2004.

Hu, C.; Lan, Y.; Qu, J.; Hu, X.; Wang, A. Ag/AgBr/TiO<sub>2</sub> visible light photocatalyst for destruction of azodyes and bacteria. *The Journal of Physical Chemistry B*, 2006, 110 (9): 4066–4072

Hussain, I., Singh, N. B., Singh, A., Singh, H., & Singh, S. C. (2015). Green synthesis of nanoparticles and its potential application. *Biotechnology Letters*, 38(4), 545–560

Irawan, A. (2019) ‘Kalibrasi Spektrofotometer Sebagai Penjaminan Mutu Hasil Pengukuran dalam Kegiatan Penelitian dan Pengujian’, *Indonesian Journal of Laboratory*, 1(2), p. 1. Available at: <https://doi.org/10.22146/ijl.v1i2.44750>.

K. Obi Reddy; B. R. Guduri; A. Varada Rajulu (2009). *Structural characterization and tensile properties of Borassus fruit fibers.* , 114(1), 603–611. doi:10.1002/app.30584

Maylani, A. S., Sulistyaningsih, T., & Kusumastuti, E. (2016). SEBAGAI ADSORBEN ION LOGAM KADMIUM Info Artikel. *Indonesian Journal*

of *Chemical Science*, 5(2), 130–135.  
<http://journal.unnes.ac.id/sju/index.php/ijcs%0APREPARASI>

M. Awwad, A., & M. Salem, N. (2013). A Green and Facile Approach for Synthesis of Magnetite Nanoparticles. *Nanoscience and Nanotechnology*, 2(6), 208–213. <https://doi.org/10.5923/j.nn.20120206.09>

Perez, G., Araujo, J., Romero, P., & Solorzano, G. (2020). Shape Control of Fe<sub>3</sub>O<sub>4</sub> Nanoparticles. *Microscopy and Microanalysis*, 26(S2), 2818–2819. <https://doi.org/10.1017/s1431927620022886>

Rahman, Md Rezaur, Sinin Hamdan, and Josephine Lai Chang Hui. “Differential scanning calorimetry (DSC) and thermogravimetric analysis (TGA) of wood polymer nanocomposites.” MATEC Web of Conferences. Vol. 87. EDP Sciences, 2017.

Raveendran, P.; Fu, J.; Wallen, S.L. Completely “Green” Synthesis and stabilization of metal nanoparticles. *Journal of the American Chemical Society*, 2003, 125 (46): 13940–13941.

Rostamian, R., Najafi, M., and Rafati, A., Synthesis and Characterization of Thiol-Functionalized Silica Nano Hollow Sphere as a Novel Adsorbent for Removal of Poisonous Heavy Metal Ions from Water: Kinetics, Isotherms and Error Analysis, *Chem. Eng. Journal.*, 171, 3, (2011), 1004–11.

K. Obi Reddy; B. R. Guduri; A. Varada Rajulu (2009). *Structural characterization and tensile properties of Borassus fruit fibers.* , 114(1), 603–611. doi:10.1002/app.30584

Sitanggang, P.Y. (2017) “Pengolahan Limbah Tekstil Dan Batik Di Indonesia”, *Jurnal Teknik Lingkungan*, 1(12), pp. 1–10. Pengolahan limbah tekstil dan batik di indonesia.

Supriadi, 2005, *Hukum Lingkungan Di Indonesia Sebuah Pengantar*, Sinar Grafika, Jakarta

Susanto, S., Prasdiantika, R., & Bolle, T. C. M. (2017). Sintesis Nanomaterial

Magnetit-Sitrat Dan Pengujian Aplikasinya Sebagai Adsorben Emas (Iii).  
*Jurnal Teknosains*, 6(2), 124. <https://doi.org/10.22146/teknosains.10821>

Taib, S., & Suharyadi, E. (2015). Sintesis nanopartikel magnetit ( $\text{Fe}_3\text{O}_4$ ) Dengan Template Silika ( $\text{SiO}_2$ ) dan karakterisasi sifat kemagnetannya. *Indonesian Journal of Applied Physics*, 5(1), 23-30.

Teja, Aryn S. and Koh, Pei Yoong, "Synthesis, properties, and applications of magnetic iron oxide nanoparticles", *Progress in Crystal Growth and Characterization of Materials*, xx: 1-24. 2008.

Trisnayanti, N.P. (2020) 'Metode sintesis nanopartikel', *Universitas Indonesia*, (3), pp. 1-4.

Trivedi, Mahendra Kumar, et al. "A comprehensive physicochemical, thermal, and spectroscopic characterization of zinc (II) chloride using X-ray diffraction, particle size distribution, differential scanning calorimetry, thermogravimetric analysis/differential thermogravimetric analysis, ultraviolet-visible, and Fourier transform-infrared spectroscopy." *International Journal of Pharmaceutical Investigation* 7.1(2017): 33.

Widowati, I., Efiyati, S. and Wahyuningtyas, S. (2014) 'Uji Aktivitas Antibakteri Ekstrak Daun Kelor (*Moringa Oleifera*) Terhadap Bakteri Pembusuk Ikan Segar (*Pseudoonas Aeruginosa*)', *PELITA*, IX, pp. 146-157

Yew, Y.P.; Shameli, K.; Miyake, M.; Khairudin, N.B.B.A.; Mohamad, S.E.B.; Naiki, T.; Lee, K.X. Green biosynthesis of superparamagnetic magnetite  $\text{Fe}_3\text{O}_4$  nanoparticles and biomedical applications in targeted anticancer drug delivery system: A review. *Arabian Journal of Chemistry* 2020, 13, 2287-2308

Z. Chen, A.M. Yadghar, L. Zhao, Z. Mi, A review of environmental effects and management of nanomaterials, *Toxicol. Environ. Chem.* 93 (2011) 1227-1250