

DAFTAR PUSTAKA

www.itk.ac.id

- Abdullah, H., Khan, M. M. R., Ong, H. R., & Yaakob, Z. (2017). Modified TiO₂ photocatalyst for CO₂ photocatalytic reduction: an overview. *Journal of CO₂ Utilization*, 22, 15-32.
- Acharya, D., Mohanta, B., & Pandey, P. (2021). Green synthesis of Silver and Silver-gold core-shell nanoparticles using Pineapple leaf extract (*Ananas comosus*) and study of their antibacterial properties. *International Journal of Nano Dimension*, 12(3), 203-210.
- Agnestisia, R. (2017). Sintesis dan Karakterisasi Magnetit (Fe₃O₄) Serta Aplikasinya Sebagai Adsorben Methylene Blue. *Jurnal Sains dan Terapan Kimia*, 11(2), 61-70.
- Bouafia, A., & Laouini, S. E. (2020). Green synthesis of iron oxide nanoparticles by aqueous leaves extract of *Mentha Pulegium* L.: Effect of ferric chloride concentration on the type of product. *Materials Letters*, 265, 127364.
- Dirgayanti, D. S., Koesnarpadi, S., & Hindryawati, N. (2021). Synthesis and characterization of Fe₃O₄-Activated Carbon and it's application to adsorb methylene blue. In *IOP Conference Series: Earth and Environmental Science* (Vol. 623, No. 1, p. 012070). IOP Publishing.
- Elma, M. (2018). *Proses Sol-Gel: Analisis, Fundamental dan Aplikasi*.
- Emeka, E. E., Ojiefoh, O. C., Aleruchi, C., Hassan, L. A., Christiana, O. M., Rebecca, M., ... & Temitope, A. E. (2014). Evaluation of antibacterial activities of silver nanoparticles green-synthesized using pineapple leaf (*Ananas comosus*). *Micron*, 57, 1-5.
- Enrico, E. (2019). Dampak Limbah Cair Industri Tekstil terhadap Lingkungan Dan Aplikasi Tehnik Eco Printing Sebagai Usaha Mengurangi Limbah. *Moda*, 1(1), 1-9.
- Erturk, A. G., Erturk, Ö., Ayvaz, M. Ç., & Erturk, E. Y. (2018). Screening of phytochemical, antimicrobial and antioxidant activities in extracts of some fruits and vegetables consumed in Turkey. *Celal Bayar University Journal of Science*, 14(1), 81-92.

www.itk.ac.id

- Farikhin, F., & Joko Sedyono, S. T. (2016). Analisa scanning electron microscope komposit polyester dengan filler karbon aktif dan karbon non aktif (Doctoral dissertation, Universitas Muhammadiyah Surakarta).
- Fazayi, M., Taaher, M.A., Afzali, D., Mostavani, A. (2016). Enhanced Fenton Like Degradation of Methylene Blue by Magnetically Activated Carbon/ Hydrogen Peroxide with Hydroxylamine as Fenton Enhancer. *Journal of Molecular Liquids*, 216, p. 781-787.
- Gandjar, I. G., & Rohman, A. (2018). Spektroskopi molekuler untuk analisis farmasi. UGM PRESS.
- Geneti, S. T., Mekonnen, G. A., Murthy, H. C., Mohammed, E. T., Ravikumar, C. R., Gonfa, B. A., & Sabir, F. K. (2022). Biogenic Synthesis of Magnetite Nanoparticles Using Leaf Extract of *Thymus schimperii* and Their Application for Monocomponent Removal of Chromium and Mercury Ions from Aqueous Solution. *Journal of Nanomaterials*.
- Gurunathan, S., Han, J. W., Dayem, A. A., Eppakayala, V., Park, J. H., S. G., ... & Kim, J.H. (2013). Green Synthesis of Anisotropic Silver Nanoparticles and its Potential Cytotoxicity in Human Breast Cancer Cells (MCF-7). *Journal of Industrial and Engineering Chemistry*, 19(5), 1600-1605.
- Handiyatmo.E.T., (1999). Adsorpsi Polutan Komponen Ganda Senyawa Fenol (2,4 DCP dan Fenol) Dengan Zeolit. Jurusan Teknik Kimia Fakultas Teknik Universitas Gadjah Mada, Yogyakarta.
- Hariyanto, Y. A., Taufiq, A., & Sunaryono, S. (2018). Sintesis, Karakterisasi Struktur dan Sifat Optik Nanopartikel Hidroksiapatit/Magnetit. JPSE (Journal of Physical Science and Engineering), 3(1), 16-24.
- Hartati, R., Suarantika, F., & Fidrianny, I. (2020). Overview of phytochemical compounds and pharmacological activities of *Ananas Comosus* L., Merr. *Int. J. Res. Pharm. Sci*, 11(3), 4760-4766.
- Hayati, G.I., Pertiwi, B., Ristianingsih, Y. (2016). Pengaruh Variasi Konsentrasi Adsorben Biji Trambesi terhadap Penurunan Kadar Logam Kromium (Cr) Total Pada Limbah Industri Sasirangan. *Konversi*, 5 (2), hal. 1-4.
- Indrayana, I. P. T., Tjuana, L. A., & Tuny, M. T. (2019, October). Nanostructure and optical properties of Fe₃O₄: effect of calcination temperature and

dwelling time. In Journal of Physics: Conference Series (Vol. 1341, No. 8, p. 082044). IOP Publishing.

Julianto, T. S. (2019). Fitokimia Tinjauan Metabolit Sekunder dan Skrining Fitokimia. Vol. 53. Journal of Chemical Information and Modeling, 1689-1699.

Khodashenas, B., & Ghorbani, H. R. (2019). Synthesis of silver nanoparticles with different shapes. Arabian Journal of Chemistry, 12(8), 1823-1838.

Li, Y., Wang, Z., & Liu, R. (2021). Superparamagnetic α -Fe₂O₃/Fe₃O₄ heterogeneous nanoparticles with enhanced biocompatibility. Nanomaterials, 11(4), 834.

Lubis, E. R. (2020). Hujan Rezeki Budi Daya Nanas. Bhuana Ilmu Populer.

Mohammadi, A., Daemi, H., & Barikani, M. (2014). Fast removal of malachite green dye using novel superparamagnetic sodium alginate-coated Fe₃O₄ nanoparticles. International journal of biological macromolecules, 69, 447-455.

Nazari, M., Ghasemi, N., Maddah, H., & Motlagh, M. M. (2014). Synthesis and characterization of maghemite nanopowders by chemical precipitation method. Journal of Nanostructure in Chemistry, 4, 1-5.

Oladoye, P. O., Ajiboye, T. O., Omotola, E. O., & Oyewola, O. J. (2022). Methylene blue dye: Toxicity and potential technologies for elimination from (waste) water. Results in Engineering, 100678.

Olmo, C., Mendez, C., Ortiz, F., Delgado, F., Valiente, R., & Werle, P. (2019). Maghemite nanofluid based on natural ester: Cooling and insulation properties assessment. IEEE Access, 7, 145851-145860.

Palebangan, G. M., 2020, Perbandingan Profil Fukoidan Dalam Ekstrak Air Panas Dan Air Dingin Alga Coklat (*Sargassum Sp.*) Dengan Metode Ftir Dan Spektrofotometri UV-Vis, Jurnal Akademika Kimia, 1(1), 1-10.

Pan, S., Huang, W., Li, Y., Yu, L., & Liu, R. (2020). A facile diethyl-carbonate-assisted combustion process for the preparation of the novel magnetic α -Fe₂O₃/Fe₃O₄ heterostructure nanoparticles. Materials Letters, 262, 127071.

- Pathania, D., Sharma, S., Singh, P. (2017). Removal Methylene Blue by Adsorption onto Activated Carbon Developed from Ficus Carica Bast. *Arabian Journal of Chemistry*, 10, pp. S1445-21451.
- Prawihartono., Slamet. & Hidayati, M. (2013). Konsep dan Penerapan Biologi SMA/MA Kelas X. Jakarta: Bumi Aksara.
- Rahman, M., & Yang, D. K. (2018). Effects of Ananas comosus leaf powder on broiler performance, haematology, biochemistry, and gut microbial population. *Revista Brasileira de Zootecnia*, 47.
- Rosanti, D., Wibowo, Y. G., Safri, M., Maryani, A. T., & Ramadhan, B. S. (2020). Bioremediations technologies on wastewater treatment: opportunities, challenges and economic perspective. *Sainmatika: Jurnal Ilmiah Matematika dan Ilmu Pengetahuan Alam*, 17(2), 142-156.
- Ramesh, A. V., Rama Devi, D., Mohan Botsa, S., & Basavaiah, K. (2018). Facile green synthesis of Fe₃O₄ nanoparticles using aqueous leaf extract of Zanthoxylum armatum DC. for efficient adsorption of methylene blue. *Journal of Asian Ceramic Societies*, 6(2), 145-155.
- Ristianingsih, Y., Istiano, A., Irfandy, F. (2020). Keseimbangan Adsorpsi Zat Warna Metilen Blur dengan Adsorben Karbon Aktif Tongkol Jagung Terimpregnasi Fe₂O₃. *Jurnal Teknologi Agro-Industri*, 7(1), 47-55.
- Satriawan, M. B., & Illing, I. (2018). Uji fitri bioplastik dari limbah ampas sagu dengan penambahan variasi konsentrasi gelatin. *Dinamika*, 8(2), 1-13.
- Salazar-Rabago, J. J., Leyva-Ramos, R., Rivera-Ultrilla, J., Ocampo-Perez, R., Cerino-Cordova, F. J. (2017). Biosorption Mechanism of Methylene Blue from Aqueous Solution onto White Pine (Pinus Durangensis) Sawdust: Effect of Operating Condition. *Sustainable Environment Research*, 27(1), 32-40.
- Shamaila, S., Sajjad, A. K. L., Farooqi, S. A., Jabeen, N., Majeed, S., & Farooq, I. (2016). Advancements in nanoparticle fabrication by hazard free eco-friendly green routes. *Applied Materials Today*, 5, 150-199.
- Singh, J., Dutta, T., Kim, K. H., Rawat, M., Samddar, P., Kumar, P. (2018). 'Green' Synthesis of Metals and their Oxide Nanoparticles: Applications for Environmental Remediation. *Journal of Nanobiotechnology*, 16(1), 1-24.

- Soeprijanto, S., Puspita, N. F., Ningrum, E. O., Hamzah, A., Karisma, A. D., Altway, S., & Subyakto, A. (2022). Pengolahan Serat Nanas Menjadi Material Komposit di Desa Satak Kabupaten Kediri. *Sewagati*, 6(4), 497-505.
- Sood, S., Umar, A., Mehta, S. K., & Kansal, S. K. (2015). Highly effective Fe-doped TiO₂ nanoparticles photocatalysts for visible-light driven photocatalytic degradation of toxic organic compounds. *Journal of colloid and interface science*, 450, 213-223.
- Sumari, S., Prakasa, Y. F., Asrori, M. R., & Baharintasari, D. R. (2020). Analisis Kandungan Mineral Pasir Pantai Bajul Mati Kabupaten Malang Menggunakan XRF dan XRD. *Fullerene Journal of Chemistry*, 5(2), 58-62.
- Tahir, A., Saeed, A., Ramzan, I., Hayat, S. S., Ahmad, W., Naeem, S., ... & Khan, B. S. (2021). Mechanism for the formation of magnetite iron oxide nanostructures by *Ficus carica* dried fruit extract using green synthesis method. *Applied Nanoscience*, 11(6), 1857-1865.
- Tandy, E., Hasibuan, I. F., & Harahap, H. (2012). Kemampuan adsorben limbah lateks karet alam terhadap minyak pelumas dalam air. *Jurnal Teknik Kimia USU*, 1(2), 34-38.
- Wijayanto, A.T. 2013. Fotodegradasi Metilen Biru Menggunakan Komposit TiO₂-SiO₂. Skripsi. Fakultas Sains dan Teknologi Universitas Islam Negeri Sunan Kalijaga, Yogyakarta.
- Worawong, A., Jutarosaga, T., & Onreabroy, W. (2014). Influence of calcination temperature on synthesis of magnetite (Fe₃O₄) nanoparticles by sol-gel method. In *Advanced Materials Research* (Vol. 979, pp. 208-211). Trans Tech Publications Ltd.
- Yew, Y. P., Shameli, K., Miyake, M., Khairudin, N. B. B. A., Mohamad, S. E. B., Naiki, T., & Lee, K. X. (2020). Green biosynthesis of superparamagnetic magnetite Fe₃O₄ nanoparticles and biomedical applications in targeted anticancer drug delivery system: A review. *Arabian Journal of Chemistry*, 13(1), 2287-2308.
- Zulaicha, A. S., Saputra, I. S., Sari, I. P. Annas, D. (2020). Sintesis dan Karakterisasi Modifikasi Mikropartikel Magnetit (Fe₃O₄) Dalam

Pemanfaatan Karat dengan Ekstrak Daun Ilalang (*Imperata Cylindrica* L):
Synthesis and Characterization of Modified Magnetite Microparticles
(Fe₃O₄) in Rust Utilization with Leaf Extract of Grass (*Imperata cylindrica*
L). *Jurnal Jejaring Matematika dan Sains*, 2(2), 51-55.



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