



DAFTAR PUSTAKA

- Abdel-Aal, S. K., Beskrovnyi, A. I., Ionov, A. M., Mozhchil, R. N., & Abdel-Rahman, A. S. (2021). Structure Investigation by Neutron Diffraction and X-Ray Diffraction of Graphene Nanocomposite CuO–rGO Prepared by Low-Cost Method. *Physica Status Solidi (A) Applications and Materials Science*, 218(12). <https://doi.org/10.1002/pssa.202100138>
- Abdelghany, T. M., Al-Rajhi, A. M. H., Al Abboud, M. A., Alawlaqi, M. M., Ganash Magdah, A., Helmy, E. A. M., & Mabrouk, A. S. (2018). Recent Advances in Green Synthesis of Silver Nanoparticles and Their Applications: About Future Directions. A Review. Dalam *BioNanoScience* (Vol. 8, Nomor 1, hlm. 5–16). Springer New York LLC. <https://doi.org/10.1007/s12668-017-0413-3>
- Abdelhamid, M. E., O'Mullane, A. P., & Snook, G. A. (2015). Storing energy in plastics: A review on conducting polymers & their role in electrochemical energy storage. Dalam *RSC Advances* (Vol. 5, Nomor 15, hlm. 11611–11626). Royal Society of Chemistry. <https://doi.org/10.1039/c4ra15947k>
- Adegbola, P. I., Adetutu, A., & Olaniyi, T. D. (2020). Antioxidant activity of Amaranthus species from the Amaranthaceae family – A review. Dalam *South African Journal of Botany* (Vol. 133, hlm. 111–117). Elsevier B.V. <https://doi.org/10.1016/j.sajb.2020.07.003>
- Adyani, S. H., & Soleimani, E. (2019). Green synthesis of Ag/Fe₃O₄/RGO nanocomposites by Punica Granatum peel extract: Catalytic activity for reduction of organic pollutants. *International Journal of Hydrogen Energy*, 44(5), 2711–2730. <https://doi.org/10.1016/j.ijhydene.2018.12.012>
- Ahn, T., Kim, J. H., Yang, H. M., Lee, J. W., & Kim, J. D. (2012). Formation pathways of magnetite nanoparticles by coprecipitation method. *Journal of Physical Chemistry C*, 116(10), 6069–6076. <https://doi.org/10.1021/jp211843g>
- Akhtar, M. S., Panwar, J., & Yun, Y. S. (2013). Biogenic synthesis of metallic nanoparticles by plant extracts. *ACS Sustainable Chemistry and Engineering*, 1(6), 591–602. <https://doi.org/10.1021/sc300118u>
- Alam, S. N., Sharma, N., & Kumar, L. (2017). Synthesis of Graphene Oxide (GO) by Modified Hummers Method and Its Thermal Reduction to Obtain Reduced Graphene Oxide (rGO)*. *Graphene*, 06(01), 1–18. <https://doi.org/10.4236/graphene.2017.61001>
- Altaf, S., Zafar, R., Zaman, W. Q., Ahmad, S., Yaqoob, K., Syed, A., Khan, A. J., Bilal, M., & Arshad, M. (2021). Removal of levofloxacin from aqueous solution by green synthesized magnetite (Fe₃O₄) nanoparticles using Moringa



olifera: Kinetics and reaction mechanism analysis. *Ecotoxicology and Environmental Safety*, 226. <https://doi.org/10.1016/j.ecoenv.2021.112826>

Arevalo, R. (2013). Laser Ablation ICP-MS and Laser Fluorination GS-MS. Dalam *Treatise on Geochemistry: Second Edition* (Vol. 15, hlm. 425–441). Elsevier Inc. <https://doi.org/10.1016/B978-0-08-095975-7.01432-7>

Arriortua, O. K., Insausti, M., Lezama, L., Gil de Muro, I., Garaio, E., de la Fuente, J. M., Fratila, R. M., Morales, M. P., Costa, R., Eceiza, M., Sagartzazu-Aizpurua, M., & Aizpurua, J. M. (2018). RGD-Functionalized Fe₃O₄ nanoparticles for magnetic hyperthermia. *Colloids and Surfaces B: Biointerfaces*, 165, 315–324. <https://doi.org/10.1016/j.colsurfb.2018.02.031>

Bala, A., Eli, Yunana, Bala, D. A., Ali, & Yunana, T. (2019). OPTICAL PROPERTIES OF... OPTICAL PROPERTIES OF REDUCED GRAPHENE OXIDE ON IRON OXIDE NANOPARTICLES. Dalam *FJS FUDMA Journal of Sciences (FJS)* (Vol. 3, Nomor 2).

Bozbey, I., Uslu, H., Türkmenoğlu, B., Özdemir, Z., Karakurt, A., & Levent, S. (2022). Conventional and microwave prompted synthesis of aryl(alkyl)azole oximes, 1H-NMR spectroscopic determination of E/Z isomer ratio and HOMO-LUMO analysis. *Journal of Molecular Structure*, 1251. <https://doi.org/10.1016/j.molstruc.2021.132077>

Braga, M. S., Gomes, O. F., Jaimes, R. F. V. V., Braga, E. R., Borysow, W., & Salcedo, W. J. (2019, Agustus 1). Multispectral colorimetric portable system for detecting metal ions in liquid media. *INSCIT 2019 - 4th International Symposium on Instrumentation Systems, Circuits and Transducers*. <https://doi.org/10.1109/INSCIT.2019.8868861>

Bunaciu, A. A., Udriștioiu, E. gabriela, & Aboul-Enein, H. Y. (2015). X-Ray Diffraction: Instrumentation and Applications. Dalam *Critical Reviews in Analytical Chemistry* (Vol. 45, Nomor 4, hlm. 289–299). Taylor and Francis Ltd. <https://doi.org/10.1080/10408347.2014.949616>

Casbeer, E., Sharma, V. K., & Li, X. Z. (2012). Synthesis and photocatalytic activity of ferrites under visible light: A review. Dalam *Separation and Purification Technology* (Vol. 87, hlm. 1–14). <https://doi.org/10.1016/j.seppur.2011.11.034>

Chahar, D., Taneja, S., Bisht, S., Kesarwani, S., Thakur, P., Thakur, A., & Sharma, P. B. (2021). Photocatalytic activity of cobalt substituted zinc ferrite for the degradation of methylene blue dye under visible light irradiation. *Journal of Alloys and Compounds*, 851. <https://doi.org/10.1016/j.jallcom.2020.156878>

Chaudhary, J., Jandu, S., Tailor, G., & Chetna. (2023). Green synthesis and characterization of iron nanoparticles using Moringa oleifera (Leaves) and



their phytochemical screening with biological significance. *Chemical Data Collections*, 47. <https://doi.org/10.1016/j.cdc.2023.101065>

Devatha, C. P., & Thalla, A. K. (2018). Green Synthesis of Nanomaterials. Dalam *Synthesis of Inorganic Nanomaterials: Advances and Key Technologies* (hlm. 169–184). Elsevier. <https://doi.org/10.1016/B978-0-08-101975-7.00007-5>

Devi, N. A., Nongthombam, S., Sinha, S., Bhujel, R., Rai, S., Singh, W. I., Dasgupta, P., & Swain, B. P. (2020). Investigation of chemical bonding and supercapacitvity properties of Fe₃O₄-rGO nanocomposites for supercapacitor applications. *Diamond and Related Materials*, 104. <https://doi.org/10.1016/j.diamond.2020.107756>

Epp, J. (2016). X-Ray Diffraction (XRD) Techniques for Materials Characterization. Dalam *Materials Characterization Using Nondestructive Evaluation (NDE) Methods* (hlm. 81–124). Elsevier Inc. <https://doi.org/10.1016/B978-0-08-100040-3.00004-3>

F. Hasany, S., Ahmed, I., J, R., & Rehman, A. (2013). Systematic Review of the Preparation Techniques of Iron Oxide Magnetic Nanoparticles. *Nanoscience and Nanotechnology*, 2(6), 148–158. <https://doi.org/10.5923/j.nn.20120206.01>

Geldasa, F. T., Kebede, M. A., Shura, M. W., & Hone, F. G. (2023). Experimental and computational study of metal oxide nanoparticles for the photocatalytic degradation of organic pollutants: a review. *RSC Advances*, 13(27), 18404–18442. <https://doi.org/10.1039/d3ra01505j>

Ghasemi, M., & Azimi-Amin, J. (2022). Effect of pH on Green Synthesis of Reduced Graphene Oxide Using Lemon Extract and Application of Fe₃O₄/RGO nanocomposites for the removal of Pb (II) from aqueous solution. *Journal of Water and Environmental Nanotechnology*, 7(1), 101–120. <https://doi.org/10.22090/jwent.2022.01.008>

Ghereghlou, M., Esmaeili, A. A., & Darroudi, M. (2021). Preparation of Fe₃O₄@C-dots as a recyclable magnetic nanocatalyst using Elaeagnus angustifolia and its application for the green synthesis of formamidines. *Applied Organometallic Chemistry*, 35(11). <https://doi.org/10.1002/aoc.6387>

Ghosh, K., & Srivastava, S. K. (2020). Superior supercapacitor performance of Bi₂S₃nanolod/reduced graphene oxide composites. *Dalton Transactions*, 49(46), 16993–17004. <https://doi.org/10.1039/d0dt03594g>

Harrison, R. J., Dunin-Borkowski, R. E., & Putnis, A. (t.t.). *Direct imaging of nanoscale magnetic interactions in minerals*. www.pnas.org/cgi/doi/10.1073/pnas.262514499



- Hidayah, N. M. S., Liu, W. W., Lai, C. W., Noriman, N. Z., Khe, C. S., Hashim, U., & Lee, H. C. (2017). Comparison on graphite, graphene oxide and reduced graphene oxide: Synthesis and characterization. *AIP Conference Proceedings*, 1892. <https://doi.org/10.1063/1.5005764>
- Hojjati-Najafabadi, A., Mansoorianfar, M., Liang, T., Shahin, K., Wen, Y., Bahrami, A., Karaman, C., Zare, N., Karimi-Maleh, H., & Vasseghian, Y. (2022). Magnetic-MXene-based nanocomposites for water and wastewater treatment: A review. *Journal of Water Process Engineering*, 47. <https://doi.org/10.1016/j.jwpe.2022.102696>
- Hudl, M. (2012). *Magnetic materials with tunable thermal, electrical, and dynamic properties-An experimental study of magnetocaloric, multiferroic, and spin-glass materials Multiferroic M₃TeO₆ (M = Co, Mn)* View project IceCube SweCam 2 View project. <https://doi.org/10.13140/2.1.1325.2806>
- Hussain, I., Singh, N. B., Singh, A., Singh, H., & Singh, S. C. (2016). Green synthesis of nanoparticles and its potential application. Dalam *Biotechnology Letters* (Vol. 38, Nomor 4, hlm. 545–560). Springer Netherlands. <https://doi.org/10.1007/s10529-015-2026-7>
- Ijaz, I., Gilani, E., Nazir, A., & Bukhari, A. (2020). Detail review on chemical, physical and green synthesis, classification, characterizations and applications of nanoparticles. Dalam *Green Chemistry Letters and Reviews* (Vol. 13, Nomor 3, hlm. 59–81). Taylor and Francis Ltd. <https://doi.org/10.1080/17518253.2020.1802517>
- Imran Din, M., Ahmed, M., Ahmad, M., Saqib, S., Mubarak, W., Hussain, Z., Khalid, R., Raza, H., & Hussain, T. (2023). Novel and Facile Synthesis of Carbon Quantum Dots from Chicken Feathers and Their Application as a Photocatalyst to Degrade Methylene Blue Dye. *Journal of Chemistry*, 2023. <https://doi.org/10.1155/2023/9956427>
- Imran, M., Alam, M. M., Hussain, S., Ali, M. A., Shkir, M., Mohammad, A., Ahamad, T., Kaushik, A., & Irshad, K. (2021). Highly photocatalytic active r-GO/Fe₃O₄ nanocomposites development for enhanced photocatalysis application: A facile low-cost preparation and characterization. *Ceramics International*, 47(22), 31973–31982. <https://doi.org/10.1016/j.ceramint.2021.08.083>
- Jabbar, K. Q., Barzinjy, A. A., & Hamad, S. M. (2022). Iron oxide nanoparticles: Preparation methods, functions, adsorption and coagulation/flocculation in wastewater treatment. Dalam *Environmental Nanotechnology, Monitoring and Management* (Vol. 17). Elsevier B.V. <https://doi.org/10.1016/j.enmm.2022.100661>



Jenkins, R. (2000). X-ray Techniques: Overview. Dalam *Encyclopedia of Analytical Chemistry* (1 ed., hlm. 13269–13288).

Jing, H., Sa, R., & Xu, G. (2019). Tuning electronic and optical properties of CsPbI₃ by applying strain: A first-principles theoretical study. *Chemical Physics Letters*, 732. <https://doi.org/10.1016/j.cplett.2019.136642>

Jiříčková, A., Jankovský, O., Sofer, Z., & Sedmidubský, D. (2022). Synthesis and Applications of Graphene Oxide. Dalam *Materials* (Vol. 15, Nomor 3). MDPI. <https://doi.org/10.3390/ma15030920>

Kadam, A. N., Bhopate, D. P., Kondalkar, V. V., Majhi, S. M., Bathula, C. D., Tran, A. V., & Lee, S. W. (2018). Facile synthesis of Ag-ZnO core–shell nanostructures with enhanced photocatalytic activity. *Journal of Industrial and Engineering Chemistry*, 61, 78–86. <https://doi.org/10.1016/j.jiec.2017.12.003>

Kamakshi, T., Sundari, G. S., Erothu, H., & Rao, T. P. (2018). Synthesis and characterization of graphene based iron oxide (Fe₃O₄) nanocomposites. *Rasayan Journal of Chemistry*, 11(3), 1113–1119. <https://doi.org/10.31788/RJC.2018.1134003>

Khalid, N. R., Sabir, M., Ali, F., Tahir, M. B., Javid, M. A., Niaz, N. A., Ahmed, R., Rafique, M., Imran, M., & Assiri, M. A. (2023). Green synthesis and characterizations of bi-functional Mo-doped ZnO nanostructures for antimicrobial and photocatalytic applications. *Materials Chemistry and Physics*, 296. <https://doi.org/10.1016/j.matchemphys.2023.127306>

Khalil, M. I. (2015). Co-precipitation in aqueous solution synthesis of magnetite nanoparticles using iron(III) salts as precursors. *Arabian Journal of Chemistry*, 8(2), 279–284. <https://doi.org/10.1016/j.arabjc.2015.02.008>

Khan, I., Saeed, K., Zekker, I., Zhang, B., Hendi, A. H., Ahmad, A., Ahmad, S., Zada, N., Ahmad, H., Shah, L. A., Shah, T., & Khan, I. (2022). Review on Methylene Blue: Its Properties, Uses, Toxicity and Photodegradation. Dalam *Water (Switzerland)* (Vol. 14, Nomor 2). MDPI. <https://doi.org/10.3390/w14020242>

Khan, M. A. M., Khan, W., Ahamed, M., & Alhazaa, A. N. (2019a). Investigation on the structure and physical properties of Fe₃O₄/RGO nanocomposites and their photocatalytic application. *Materials Science in Semiconductor Processing*, 99, 44–53. <https://doi.org/10.1016/j.mssp.2019.04.005>

Khan, M. A. M., Khan, W., Ahamed, M., & Alhazaa, A. N. (2019b). Investigation on the structure and physical properties of Fe₃O₄/RGO nanocomposites and their photocatalytic application. *Materials Science in Semiconductor Processing*, 99, 44–53. <https://doi.org/10.1016/j.mssp.2019.04.005>



- Kumar, S., Azam, D., Raj, S., Kolanthai, E., Vasu, K. S., Sood, A. K., & Chatterjee, K. (2016). 3D scaffold alters cellular response to graphene in a polymer composite for orthopedic applications. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, 104(4), 732–749. <https://doi.org/10.1002/jbm.b.33549>
- Low, F. W., Lai, C. W., & Abd Hamid, S. B. (2015). Easy preparation of ultrathin reduced graphene oxide sheets at a high stirring speed. *Ceramics International*, 41(4), 5798–5806. <https://doi.org/10.1016/j.ceramint.2015.01.008>
- Mahanta, U., Khandelwal, M., & Deshpande, A. S. (2022). TiO₂@SiO₂ nanoparticles for methylene blue removal and photocatalytic degradation under natural sunlight and low-power UV light. *Applied Surface Science*, 576. <https://doi.org/10.1016/j.apsusc.2021.151745>
- Mahmudzadeh, M., Yari, H., Ramezanlou, B., & Mahdavian, M. (2019). Highly potent radical scavenging-anti-oxidant activity of biologically reduced graphene oxide using Nettle extract as a green bio-genic amines-based reductants source instead of hazardous hydrazine hydrate. *Journal of Hazardous Materials*, 371, 609–624. <https://doi.org/10.1016/j.jhazmat.2019.03.046>
- Mallenakuppe, R., Homabalegowda, H., Gouri, M. D., Basavaraju, P. S., & Chandrashekharaiyah, U. B. (2019). History, Taxonomy and Propagation of Moringa oleifera-A Review. *SSR Institute of International Journal of Life Sciences*, 5(3), 2322–2327. <https://doi.org/10.21276/ssr-iijls.2019.5.3.7>
- Mansingh, S., Padhi, D. K., & Parida, K. (2019). Bio-surfactant assisted solvothermal synthesis of Magnetic retrievable Fe₃O₄@rGO nanocomposite for photocatalytic reduction of 2-nitrophenol and degradation of TCH under visible light illumination. *Applied Surface Science*, 466, 679–690. <https://doi.org/10.1016/j.apsusc.2018.10.056>
- Marlinda, A. R., Yusoff, N., Sagadevan, S., & Johan, M. R. (2020). Recent developments in reduced graphene oxide nanocomposites for photoelectrochemical water-splitting applications. Dalam *International Journal of Hydrogen Energy* (Vol. 45, Nomor 21, hlm. 11976–11994). Elsevier Ltd. <https://doi.org/10.1016/j.ijhydene.2020.02.096>
- Massima Mouele, E. S., Tijani, J. O., Masikini, M., Fatoba, O. O., Eze, C. P., Onwordi, C. T., Zar Myint, M. T., Kyaw, H. H., Al-Sabahi, J., Al-Abri, M., Dobretsov, S., Laatikainen, K., & Petrik, L. F. (2020). Spectroscopic Measurements of Dissolved O₃, H₂O₂ and OH Radicals in Double Cylindrical Dielectric Barrier Discharge Technology: Treatment of Methylene Blue Dye



Simulated Wastewater. *Plasma*, 3(2), 59–91.
<https://doi.org/10.3390/plasma3020007>

Mendes, E., & Duarte, N. (2021). Mid-infrared spectroscopy as a valuable tool to tackle food analysis: A literature review on coffee, dairies, honey, olive oil and wine. *Foods*, 10(2), 1–32. <https://doi.org/10.3390/foods10020477>

Mondal, S., De Anda Reyes, M. E., & Pal, U. (2017). Plasmon induced enhanced photocatalytic activity of gold loaded hydroxyapatite nanoparticles for methylene blue degradation under visible light. *RSC Advances*, 7(14), 8633–8645. <https://doi.org/10.1039/C6RA28640B>

Moztahida, M., Nawaz, M., Kim, J., Shahzad, A., Kim, S., Jang, J., & Lee, D. S. (2019). Reduced graphene oxide-loaded-magnetite: A Fenton-like heterogeneous catalyst for photocatalytic degradation of 2-methylisoborneol. *Chemical Engineering Journal*, 370, 855–865. <https://doi.org/10.1016/j.cej.2019.03.214>

Munasir, N., Kusumawati, R. P., Kusumawati, D. H., Supardi, Z. A. I., Taufiq, A., & Darminto. (2020). Characterization of Fe₃O₄/rGO composites from natural sources: Application for dyes color degradation in aqueous solution. *International Journal of Engineering, Transactions A: Basics*, 33(1), 18–27. <https://doi.org/10.5829/ije.2020.33.01a.03>

Musa, N., Zaharudin, N., Misni, F., & Kabeb, S. M. (t.t.). *INTERNATIONAL HEALTH CONFERENCE (ICHI 2011) Determination of Vitamin C and Mineral from Spinach (Amaranthus Viridis) Chips for Nutrient Facts*.

Nguyen, M. D., Tran, H. V., Xu, S., & Lee, T. R. (2021). Fe₃O₄ nanoparticles: Structures, synthesis, magnetic properties, surface functionalization, and emerging applications. Dalam *Applied Sciences (Switzerland)* (Vol. 11, Nomor 23). MDPI. <https://doi.org/10.3390/app112311301>

Nidheesh, P. V., Divyapriya, G., Ezzahra Titchou, F., & Hamdani, M. (2022). Treatment of textile wastewater by sulfate radical based advanced oxidation processes. Dalam *Separation and Purification Technology* (Vol. 293). Elsevier B.V. <https://doi.org/10.1016/j.seppur.2022.121115>

Oladoye, P. O., Ajiboye, T. O., Omotola, E. O., & Oyewola, O. J. (2022). Methylene blue dye: Toxicity and potential elimination technology from wastewater. Dalam *Results in Engineering* (Vol. 16). Elsevier B.V. <https://doi.org/10.1016/j.rineng.2022.100678>

Padhi, D. K., Panigrahi, T. K., Parida, K., Singh, S. K., & Mishra, P. M. (2017). Green Synthesis of Fe₃O₄/RGO Nanocomposite with Enhanced Photocatalytic Performance for Cr(VI) Reduction, Phenol Degradation, and



Antibacterial Activity. *ACS Sustainable Chemistry and Engineering*, 5(11), 10551–10562. <https://doi.org/10.1021/acssuschemeng.7b02548>

Pandey, A., Dalal, S., Dutta, S., & Dixit, A. (2021). Structural characterization of polycrystalline thin films by X-ray diffraction techniques. Dalam *Journal of Materials Science: Materials in Electronics* (Vol. 32, Nomor 2, hlm. 1341–1368). Springer. <https://doi.org/10.1007/s10854-020-04998-w>

Pradhan, S. K., Sahoo, M. R., Ratha, S., Polai, B., Mitra, A., Sathpathy, B., Sahu, A., Kar, S., Satyam, P. V., Ajayan, P. M., & Nayak, S. K. (2020). Graphene-incorporated aluminum with enhanced thermal and mechanical properties for solar heat collectors. *AIP Advances*, 10(6). <https://doi.org/10.1063/5.0008786>

Raza, A., Altaf, S., Ali, S., Ikram, M., & Li, G. (2022). Recent advances in carbonaceous sustainable nanomaterials for wastewater treatments. *Sustainable Materials and Technologies*, 32. <https://doi.org/10.1016/j.susmat.2022.e00406>

Rehman, A., Daud, A., Warsi, M. F., Shakir, I., Agboola, P. O., Sarwar, M. I., & Zulfiqar, S. (2020). Nanostructured maghemite and magnetite and their nanocomposites with graphene oxide for photocatalytic degradation of methylene blue. *Materials Chemistry and Physics*, 256. <https://doi.org/10.1016/j.matchemphys.2020.123752>

Rivani, D. A., Retnosari, I., Kusumandari, & Saraswati, T. E. (2019). Influence of TiO₂ addition on the magnetic properties of carbon-based iron oxide nanocomposites synthesized using submerged arc-discharge. *IOP Conference Series: Materials Science and Engineering*, 509(1). <https://doi.org/10.1088/1757-899X/509/1/012034>

Rochman, R. A., Wahyuningsih, S., Ramelan, A. H., & Hanif, Q. A. (2019). Preparation of nitrogen and sulphur Co-doped reduced graphene oxide (rGO-NS) using N and S heteroatom of thiourea. *IOP Conference Series: Materials Science and Engineering*, 509(1). <https://doi.org/10.1088/1757-899X/509/1/012119>

Sadeghzadeh-Attar, A. (2018). Efficient photocatalytic degradation of methylene blue dye by SnO₂ nanotubes synthesized at different calcination temperatures. *Solar Energy Materials and Solar Cells*, 183, 16–24. <https://doi.org/10.1016/j.solmat.2018.03.046>

Sajjad, S., Leghari, S. A. K., Ryma, N. U. A., & Farooqi, S. A. (2018). Green synthesis of metal-based nanoparticles and their applications. Dalam *The Macabresque: Human Violation and Hate in Genocide, Mass Atrocity and Enemy-Making* (hlm. 23–77). wiley. <https://doi.org/10.1002/9781119418900.ch2>



- Saravanan, A., Deivayanai, V. C., Kumar, P. S., Rangasamy, G., Hemavathy, R. V., Harshana, T., Gayathri, N., & Alagumalai, K. (2022). A detailed review on advanced oxidation process in treatment of wastewater: Mechanism, challenges and future outlook. *Chemosphere*, 308. <https://doi.org/10.1016/j.chemosphere.2022.136524>
- Sari, E. K., Tumbelaka, R. M., Ardiyanti, H., Istiqomah, N. I., Chotimah, & Suharyadi, E. (2023). Green synthesis of magnetically separable and reusable Fe₃O₄/Cdots nanocomposites photocatalyst utilizing Moringa oleifera extract and watermelon peel for rapid dye degradation. *Carbon Resources Conversion*, 6(4), 274–286. <https://doi.org/10.1016/j.crcon.2023.04.003>
- Satriawan, E. F., Widowati, I., & Suprijanto, J. (2021). Pencemaran Logam Berat Kadmium (Cd) dalam Kerang Darah (*Anadara granosa*) yang Didaratkan di Tambak Lorok Semarang. *Journal of Marine Research*, 10(3), 437–445. <https://doi.org/10.14710/jmr.v10i3.30155>
- Sharma, N., Gupta, P. C., & Rao, Ch. V. (2012). Nutrient Content, Mineral Content and Antioxidant Activity of Amaranthus viridis and Moringa oleifera Leaves. *Research Journal of Medicinal Plants*, 6(3), 253–259. <https://doi.org/https://scialert.net/abstract/?doi=rjmp.2012.253.259>
- 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. Dalam *Journal of Nanobiotechnology* (Vol. 16, Nomor 1). BioMed Central Ltd. <https://doi.org/10.1186/s12951-018-0408-4>
- Sodipo, B. K., Noqta, O. A., Aziz, A. A., Katsikini, M., Pinakidou, F., & Paloura, E. C. (2023). Influence of capping agents on fraction of Fe atoms occupying octahedral site and magnetic property of magnetite (Fe₃O₄) nanoparticles by one-pot co-precipitation method. *Journal of Alloys and Compounds*, 938. <https://doi.org/10.1016/j.jallcom.2022.168558>
- Sutanto, H., Alkian, I., Romanda, N., Lewa, I. W. L., Marhaendrajaya, I., & Triadyaksa, P. (2020). High green-emission carbon dots and its optical properties: Microwave power effect. *AIP Advances*, 10(5). <https://doi.org/10.1063/5.0004595>
- Teja, A. S., & Koh, P. Y. (2009). Synthesis, properties, and applications of magnetic iron oxide nanoparticles. Dalam *Progress in Crystal Growth and Characterization of Materials* (Vol. 55, Nomor 1–2, hlm. 22–45). <https://doi.org/10.1016/j.pcrysgrow.2008.08.003>
- Tumbelaka, R. M. (2022a). *GREEN SYNTHESIS FOTOKATALIS NANOPARTIKEL CORE-SHELL Fe₃O₄@TiO₂ MENGGUNAKAN EKSTRAK MORINGA OLEIFERA DAN KARAKTERISASINYA GREEN*. Universitas Gadjah Mada.



- Tumbelaka, R. M. (2022b). *GREEN SYNTHESIS FOTOKATALIS NANOPARTIKEL CORE-SHELL Fe₃O₄@TiO₂ MENGGUNAKAN EKSTRAK MORINGA OLEIFERA DAN KARAKTERISASINYA GREEN*. Universitas Gadjah Mada.
- Vedula, S. S., & Yadav, G. D. (2022). Wastewater treatment containing methylene blue dye as pollutant using adsorption by chitosan lignin membrane: Development of membrane, characterization and kinetics of adsorption. *Journal of the Indian Chemical Society*, 99(1). <https://doi.org/10.1016/j.jics.2021.100263>
- Vongsak, B., Sithisarn, P., Mangmool, S., Thongpraditchote, S., Wongkrajang, Y., & Gritsanapan, W. (2013). Maximizing total phenolics, total flavonoids contents and antioxidant activity of Moringa oleifera leaf extract by the appropriate extraction method. *Industrial Crops and Products*, 44, 566–571. <https://doi.org/10.1016/j.indcrop.2012.09.021>
- Wang, X. Q., Han, S. F., Zhang, Q. W., Zhang, N., & Zhao, D. D. (2018). Photocatalytic oxidation degradation mechanism study of methylene blue dye waste water with GR/iTO 2. *MATEC Web of Conferences*, 238. <https://doi.org/10.1051/matecconf/201823803006>
- Wibowo, N. A., Juharni, J., Sabarman, H., & Suharyadi, E. (2021). A Spin-Valve GMR Based Sensor with Magnetite@silver Core-Shell Nanoparticles as a Tag for Bovine Serum Albumin Detection. *ECS Journal of Solid State Science and Technology*, 10(10), 107002. <https://doi.org/10.1149/2162-8777/ac2d4e>
- Wu, M., Shi, J. J., Zhang, M., Ding, Y. M., Wang, H., Cen, Y. L., & Lu, J. (2018). Enhancement of photoluminescence and hole mobility in 1- to 5-layer InSe due to the top valence-band inversion: strain effect. *Nanoscale*, 10(24), 11441–11451. <https://doi.org/10.1039/c8nr03172j>
- Xu, H., Jia, Y., Sun, Z., Su, J., Liu, Q. S., Zhou, Q., & Jiang, G. (2022). Environmental pollution, a hidden culprit for health issues. *Eco-Environment & Health*, 1(1), 31–45. <https://doi.org/10.1016/j.eehl.2022.04.003>
- Xu, Y., & Xu, R. (2015). Nickel-based cocatalysts for photocatalytic hydrogen production. *Applied Surface Science*, 351, 779–793. <https://doi.org/10.1016/j.apsusc.2015.05.171>
- Yavari, S., Mahmudi, N. M., Teymour, P., Shahmoradi, B., & Maleki, A. (2016). Cobalt ferrite nanoparticles: Preparation, characterization and anionic dye removal capability. *Journal of the Taiwan Institute of Chemical Engineers*, 59, 320–329. <https://doi.org/10.1016/j.jtice.2015.08.011>
- Yousefinejad, S., Rasti, H., Hajebi, M., Kowsari, M., Sadravi, S., & Honarasa, F. (2017). Design of C-dots/Fe₃O₄ magnetic nanocomposite as an efficient new nanozyme and its application for determination of H₂O₂ in nanomolar level.



Sensors and Actuators, B: Chemical, 247, 691–696.
<https://doi.org/10.1016/j.snb.2017.02.145>

Yu, Q., Wang, Y., Chen, P., Nie, W., Chen, H., & Zhou, J. (2019). Reduced graphene oxide-wrapped super dense Fe₃O₄ nanoparticles with enhanced electromagnetic wave absorption properties. *Nanomaterials*, 9(6). <https://doi.org/10.3390/nano9060845>

Zhang, J., Zhou, K., & Wang, Z. (2023). A novel water pollution detection method based on acoustic signals and long short-term neural network. *Applied Intelligence*, 53(10), 12355–12371. <https://doi.org/10.1007/s10489-022-04124-9>

Zhang, Q., Zhang, Y., Li, Y., Ding, P., Xu, S., & Cao, J. (2021). Green synthesis of magnetite nanoparticle and its regulatory effect on fermentative hydrogen production from lignocellulosic hydrolysate by Klebsiella sp. *International Journal of Hydrogen Energy*, 46(39), 20413–20424. <https://doi.org/10.1016/j.ijhydene.2021.03.142>

Zhang, W.-X. (2003). Nanoscale iron particles for environmental remediation: An overview. Dalam *Journal of Nanoparticle Research* (Vol. 5).

Zhou, S., Du, Z., Li, X., Zhang, Y., He, Y., & Zhang, Y. (2019). Degradation of methylene blue by natural manganese oxides: Kinetics and transformation products. *Royal Society Open Science*, 6(7). <https://doi.org/10.1098/rsos.190351>

Zikalala, N., Matshephe, K., Parani, S., & Oluwafemi, O. S. (2018). Biosynthesis protocols for colloidal metal oxide nanoparticles. Dalam *Nano-Structures and Nano-Objects* (Vol. 16, hlm. 288–299). Elsevier B.V. <https://doi.org/10.1016/j.nanoso.2018.07.010>