

DAFTAR PUSTAKA

- Abbas, M.W., Soomro, R.A., Kalwar, N.H., Zahoor, M., Avci, A., Pehlivan, E., Hallam, K.R., dan Willander, M., 2019. Carbon quantum dot coated Fe₃O₄ hybrid composites for sensitive electrochemical detection of uric acid. *Microchemical Journal*, 146 (September 2018), 517–524.
- Ahmadian-Fard-Fini, S., Salavati-Niasari, M., dan Ghanbari, D., 2018. Hydrothermal green synthesis of magnetic Fe₃O₄-carbon dots by lemon and grape fruit extracts and as a photoluminescence sensor for detecting of E. coli bacteria. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, 203, 481–493.
- Aisida, S.O., Ugwu, K., Akpa, P.A., Nwanya, A.C., Nwankwo, U., Bashir, A.K.H., Madiba, I.G., Ahmed, I., dan Ezema, F.I., 2019. Synthesis and characterization of iron oxide nanoparticles capped with Moringa Oleifera: The mechanisms of formation effects on the optical, structural, magnetic and morphological properties. *Materials Today: Proceedings*, 36, 214–218.
- Alshareeda, A.T., Khatijah, M.Z.N., dan Al-sowayan, B.S., 2022. Nanotechnology: A revolutionary approach to prevent breast cancer recurrence. *Asian Journal of Surgery*, (xxxx).
- Alvarez-Ordóñez, A. dan Prieto, M., 2012. *Fourier Transform Infrared Spectroscopy in Food Microbiology*. 1 ed. New York: Springer New York, NY.
- Bayu, A., Nandiyanto, D., Oktiani, R., dan Ragadhita, R., 2019. Indonesian Journal of Science & Technology How to Read and Interpret FTIR Spectroscopy of Organic Material, (1), 97–118.
- Berthomieu, C. dan Hienerwadel, R., 2009. Fourier transform infrared (FTIR) spectroscopy. *Photosynthesis Research*, 101 (2–3), 157–170.
- Cao, Y. dan Zhang, H., 2021. Smart Materials in Medicine Recent advances in nano material-based application of liver neoplasms. *Smart Materials in Medicine*, 2

(September 2020), 114–123.

Chikazumi, S., 1997. *Physics of Ferromagnetism*. 2 ed. New York: Oxford University Press.

Cui, L., Ren, X., Sun, M., Liu, H., dan Xia, L., 2021. Carbon dots: Synthesis, properties and applications. *Nanomaterials*, 11 (12).

Cullity, B.D., 1978. *Elements of X-Ray Diffraction*. 2 ed. Prentice Hall PTR.

Epp, J., 2016. *X-Ray Diffraction (XRD) Techniques for Materials Characterization*. Materials Characterization Using Nondestructive Evaluation (NDE) Methods. Elsevier Ltd.

Fultz, B. dan Howe, J.M., 2009. *Transmission Electron Microscopy and Diffraction of Materials*. 3 ed. Springer, Berlin, Heidelberg.

George, T.T., Obilana, A.O., Oyenih, A.B., dan Rautenbach, F.G., 2021. Moringa oleifera through the years: a bibliometric analysis of scientific research (2000-2020). *South African Journal of Botany*, 141, 12–24.

Ghereghlou, M., Esmaeili, A.A., dan Darroudi, M., 2021. Preparation of Fe₃O₄@C-dots as a recyclable magnetic nanocatalyst using *Elaeagnus angustifolia* and its application for the green synthesis of formamides, (November).

Gomez-Zavaglia, A., Cassani, L., Hebert, E.M., dan Gerbino, E., 2022. Green synthesis, characterization and applications of iron and zinc nanoparticles by probiotics. *Food Research International*, 155 (February), 111097.

Gong, T. dan Tang, Y., 2020. Preparation of multifunctional nanocomposites Fe₃O₄@SiO₂-EDTA and its adsorption of heavy metal ions in water solution, 1–8.

Guo, Y., Qian, J., Iqbal, A., Zhang, L., Liu, W., dan Qin, W., 2017. ScienceDirect Pd nanoparticles immobilized on magnetic carbon dots @ Fe₃O₄ nanocubes as a synergistic catalyst for hydrogen generation. *International Journal of Hydrogen Energy*, 42 (22), 15167–15177.

Heng, Z.W., Chong, W.C., Pang, Y.L., dan Koo, C.H., 2021. An overview of the

recent advances of carbon quantum dots/metal oxides in the application of heterogeneous photocatalysis in photodegradation of pollutants towards visible-light and solar energy exploitation. *Journal of Environmental Chemical Engineering*, 9 (3), 105199.

Ibrahim, A.M., Mohamed, F., Al-Quraishy, S., Abdel-Baki, A.A.S., dan Abdel-Tawab, H., 2021. Green synthesis of Cerium oxide / Moringa oleifera seed extract nano-composite and its molluscicidal activities against biomophalaria alexanderina. *Journal of King Saud University - Science*, 33 (3), 101368.

Khan, S., Mansoor, S., Rafi, Z., Kumari, B., Shoaib, A., Saeed, M., Alshehri, S., Ghoneim, M.M., Rahamathulla, M., Hani, U., dan Shakeel, F., 2022. A review on nanotechnology : Properties , applications , and mechanistic insights of cellular uptake mechanisms. *Journal of Molecular Liquids*, 348, 118008.

Ladd, M.F.C. dan Palmer, R.A., 1977. *Structure Determination by X-Ray Crystallography*. Structure Determination by X-Ray Crystallography.

Liu, J., Li, R., dan Yang, B., 2020. Carbon Dots: A New Type of Carbon-Based Nanomaterial with Wide Applications. *ACS Central Science*, 6 (12), 2179–2195.

Liu, R., Luo, C., Pang, Z., Zhang, J., Ruan, S., Wu, M., Wang, L., Sun, T., Li, N., Wu, M., Wang, L., Sun, T., Li, N., Liu, R., Luo, C., Pang, Z., Zhang, J., Ruan, S., Wu, M., dan Wang, L., 2022. Advances of nanoparticles as drug delivery systems for disease diagnosis and treatment. *Chinese Chemical Letters*.

Marghussian, V., 2015. Magnetic Properties of Nano-Glass Ceramics. *Nano-Glass Ceramics*, 181–223.

Matsushita, T., 2014. *Electricity and Magnetism new Formulation by Introduction of Superconductivity*. 1 ed. Tokyo: Springer Tokyo.

Mehta, K.P., Sharma, R., Haldar, S., dan Kumar, A., 2021. Materials Today : Proceedings Advancement in treatment of wastewater with nano technology. *Materials Today: Proceedings*, (xxxx).

- Milla, P.G., Peñalver, R., dan Nieto, G., 2021. Health benefits of uses and applications of moringa oleifera in bakery products. *Plants*, 10 (2), 1–17.
- Nawar, A.H., 2021. Materials Today : Proceedings Nano-technologies and Nano-materials for civil engineering construction works applications. *Materials Today: Proceedings*, (xxxx).
- Nnadozie, E.C. dan Ajibade, P.A., 2020. Green synthesis and characterization of magnetite (Fe₃O₄) nanoparticles using Chromolaena odorata root extract for smart nanocomposite. *Materials Letters*, 263, 127145.
- Pal, G., Rai, P., dan Pandey, A., 2019. *Green synthesis of nanoparticles: A greener approach for a cleaner future*. Green Synthesis, Characterization and Applications of Nanoparticles. Elsevier Inc.
- Patiño-Ruiz, D., Sánchez-Botero, L., Tejeda-Benitez, L., Hinestroza, J., dan Herrera, A., 2020. Green synthesis of iron oxide nanoparticles using Cymbopogon citratus extract and sodium carbonate salt: Nanotoxicological considerations for potential environmental applications. *Environmental Nanotechnology, Monitoring and Management*, 14 (March).
- Pavia, D.L., Lampman, G.M., dan Kriz, G.S., 2000. *Introduction to Spectroscopy*. 3 ed. Brooks Cole.
- Prajapati, A.K. dan Mondal, M.K., 2022. Green synthesis of Fe₃O₄-onion peel biochar nanocomposites for adsorption of Cr(VI), methylene blue and congo red dye from aqueous solutions. *Journal of Molecular Liquids*, 349, 118161.
- Puri, R. dan Babbar, V., 2008. *Solid State Physics and Electronics*. S. Chand Publishing.
- Rathore, A. dan Mahesh, G., 2021. Technology in Society Public perception of nanotechnology : A contrast between developed and developing countries. *Technology in Society*, 67 (September), 101751.
- Raveendran, P.T. V, Aswathi, B.S., dan Renuka, N.K., 2022. Arrowroot derived carbon dots: Green synthesis and application as an efficient optical probe for

- fluoride ions. *Materials Today: Proceedings*, 51, 2417–2421.
- Rimal, V. dan Srivastava, P.K., 2022. Materials Today : Proceedings Synthesis and characterization of oil carbon dots. *Materials Today: Proceedings*, (xxxx).
- Rizvi, M., Bhatia, T., dan Gupta, R., 2022. Green & sustainable synthetic route of obtaining iron oxide nanoparticles using *Hylocereus undantus* (pitaya or dragon fruit). *Materials Today: Proceedings*, 50, 1100–1106.
- Rong, S., Tang, X., Liu, H., Xu, J., Yuan, Z., Peng, X., Niu, J., Wu, Y., He, L., dan Qian, K., 2021. Synthesis of carbon dots@Fe₃O₄ and their photocatalytic degradation properties to hexaconazole. *NanoImpact*, 22 (2), 100304.
- Roy, S.D., Das, K.C., dan Dhar, S.S., 2021. Conventional to green synthesis of magnetic iron oxide nanoparticles; its application as catalyst, photocatalyst and toxicity: A short review. *Inorganic Chemistry Communications*, 134 (September), 109050.
- Saif, S., Tahir, A., dan Chen, Y., 2016. Green synthesis of iron nanoparticles and their environmental applications and implications. *Nanomaterials*, 6 (11), 1–26.
- Sharma, R. dan Tripathi, A., 2021. Green synthesis of nanoparticles and its key applications in various sectors. *Materials Today: Proceedings*, 48, 1626–1632.
- Sun, A.C., 2018. Synthesis of magnetic carbon nanodots for recyclable photocatalytic degradation of organic compounds in visible light. *Advanced Powder Technology*, 29 (3), 719–725.
- Suparti, 2019. Fundamentals of transmission electron microscopy, the technique with the best resolution in the world. *Bogota*, (February), 0–6.
- Teja, A.S. dan Koh, P., 2009. Synthesis , properties , and applications of magnetic iron oxide nanoparticles. *Progress in Crystal Growth and Characterization of Materials*, 55 (1–2), 22–45.
- Tovar, G.I., Briceño, S., Suarez, J., Flores, S., dan González, G., 2020. Biogenic synthesis of iron oxide nanoparticles using *Moringa oleifera* and chitosan and

its evaluation on corn germination. *Environmental Nanotechnology, Monitoring and Management*, 14 (August), 100350.

Wang, H., Wei, Z., Matsui, H., dan Zhou, S., 2014. Fe₃O₄/carbon quantum dots hybrid nanoflowers for highly active and recyclable visible-light driven photocatalyst. *Journal of Materials Chemistry A*, 2 (38), 15740–15745.

Ying, S., Guan, Z., Ofoegbu, P.C., Clubb, P., Rico, C., He, F., dan Hong, J., 2022. Green synthesis of nanoparticles: Current developments and limitations. *Environmental Technology and Innovation*, 26, 102336.

Yousefinejad, S., Rasti, H., Hajebi, M., Kowsari, M., Sadravi, S., dan Honarasa, F., 2017. Sensors and Actuators B : Chemical Design of C-dots/Fe₃O₄ magnetic nanocomposite as an efficient new nanozyme and its application for determination of H₂O₂ in nanomolar level. *Sensors & Actuators: B. Chemical*, 247, 691–696.

Zhang, Q., Zhang, Y., Li, Y., Ding, P., Xu, S., dan 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.

Zhou, J., Sheng, Z., Han, H., Zou, M., dan Li, C., 2012. Facile synthesis of fluorescent carbon dots using watermelon peel as a carbon source. *Materials Letters*, 66 (1), 222–224.

Zia, M., Phull, A.R., dan Ali, J.S., 2016. Challenges of Iron Oxide Nanoparticles. *Powder Technology*, 7 (6), 49–67.