DAFTAR PUSTAKA

Abdul Jalill, R. D., Nuaman, R. S., & Abd, A. N. (2016). *Biological synthesis of Titanium Dioxide nanoparticles by Curcuma longa plant extract and study its biological properties*. www.worldscientificnews.com

Abinaya, S., & Kavitha, H. P. (2023). Magnesium Oxide Nanoparticles: Effective Antilarvicidal andAntibacterial Agents. *American Chemical Society*, 5225–5233. https://doi.org/10.1021/acsomega.2c01450

Abinaya, S., Kavitha, H. P., Prakash, M., & Muthukrishnaraj, A. (2021). Green synthesis of magnesium oxide nanoparticles and its applications: A review. In *Sustainable Chemistry and Pharmacy* (Vol. 19). Elsevier B.V. https://doi.org/10.1016/j.scp.2020.100368

Aboorvakani, R., Kennady Vethanathan, S. J., & Madhu, K. U. (2020). Influence of Zn concentration on zinc oxide nanoparticles and theiranti-corrosion property. *Journal of Alloys and Compounds*, *834*. https://doi.org/10.1016/j.jallcom.2020.155078

Adi Prastyo, K., & Nikmati Laily, A. (2015). *Uji Konsentrasi Klorofil Daun Temu Mangga (Curcuma mangga Val.),Temulawak (Curcuma xanthorrhiza), dan Temu Hitam(Curcuma aeruginosa) dengan Tipe Kertas Saring yang BerbedaMenggunakan Spektrofotometer*. https://core.ac.uk/download/pdf/289792482.pdf

Ali, R., Shanan, Z. J., Saleh, G. M., & Abass, Q. (2020). Green synthesis and the study of some physical properties of MgO nanoparticles and their antibacterial activity. *Iraqi Journal of Science*, *61*(2), 266–276. https://doi.org/10.24996/ijs.2020.61.2.9

Alpionita, P. (2015). Sintesis Dan Karakterisasi Magnesium Oksida (Mgo) Dengan Variasi Massa PEG-6000. *Jurnal Fisika Unand*, *4*(2).

Amaliyah, S. (2021). *Pengembangan Metode Green Synthesis Nanopartikel Tembaga Dan Perak Menggunakan Ekstrak Buah Piper Retrofractum Vahl Dan Kajian Potensinya Sebagai Antibakteri [Disertasi Doktor]*. UNIVERSITAS BRAWIJAYA.

Amrulloh, H., Fatiqin, A., Simanjuntak, W., Afriyani, H., & Annissa, A. (2021). Antioxidant and Antibacterial Activities of Magnesium Oxide Nanoparticles Prepared using Aqueous Extract of Moringa Oleifera Bark as Green Agents. *Journal of Multidisciplinary Applied Natural Science*, *1*(1), 44–53. https://doi.org/10.47352/jmans.v1i1.9

Ardhiati, F., & Muldarisnur. (2019). *Pengaruh Konsentrasi Larutan Prekursor Terhadap Morfologi dan Ukuran Kristal Nanopartikel Seng Oksida*. *8*(2), 133–138.

Aritonang, S.Si., M.Si., H. F., & Babay, R. Y. (2023). Sintesis Nanopartikel Magnesium Oksida dengan Bantuan Gelombang Mikro dan Aplikasinya Sebagai Fotokatalis. *CHEMISTRY PROGRESS*, *16*(1), 1–8. https://doi.org/10.35799/cp.16.1.2023.47545

Asworo, R. Y., Hanandayu Widwiastuti, W., & Widayanti, E. (2023). Sintesis Nanopartikel Perak menggunakan Ekstrak Kulit Sirsak sebagai Bioreduktor. *Indonesian Journal of Pharmaceutical (e-Journal)*, *3*(3), 2775–3670. https://doi.org/10.37311/ijpe.v3i3.22310

Bodanese, P., Roussenq, F., Alves, F., Bendo, T., Maccarini, L., & Gracher, H. (2024). *Next Nanotechnology Low-temperature nanocubic MgO synthesis*

from MgCl 2 · 6H 2 O waste. *6*(December 2023), 0–11.

Budiharti, G., Arifin Imam Supardi, D., & Si, M. (2015). Sintesis Nanopartikel Silika Menggunakan Metode Sol-Gel Synthesis Of Silica Nanoparticles With Sol-Gel Method. *Jurnal Inovasi Fisika Indonesia*, *04*, 22–25.

Chu, S. H., Yang, E. H., & Unluer, C. (2023). Chemical synthesis of magnesium oxide (MgO) from brine towards minimal energy consumption. *Desalination*, *556*. https://doi.org/10.1016/j.desal.2023.116594

Dang, F., Kato, K., Imai, H., Wada, S., Haneda, H., & Kuwabara, M. (2010). *Ultrasonics Sonochemistry Short Communication A new effect of ultrasonication on the formation of BaTiO 3 nanoparticles*. *17*, 310–314. https://doi.org/10.1016/j.ultsonch.2009.08.006

Dobrucka, R. (2018). Synthesis of MgO Nanoparticles Using Artemisia abrotanum Herba Extract and Their Antioxidant and Photocatalytic Properties. *Iranian Journal of Science and Technology, Transaction A: Science*, *42*(2), 547–555. https://doi.org/10.1007/s40995-016-0076-x

Fajaroh, F. (2018). Sintesis Nanopartikel dengan Prinsip Kimia Hijau. *Prosiding Seminar Nasional Kimia Dan Pembelajarannya (SNKP)* , *November*, 24–32. http://www.understandingnano.com/nanoparticles.html

Farani, M. R., Farsadrooh, M., Zare, I., Gholami, A., & Akhavan, O. (2023). *Green Synthesis of Magnesium Oxide Nanoparticles and Nanocomposites for Photocatalytic Antimicrobial, Antibiofilm and Antifungal Applications*.

Fatiqin, A., Amrulloh, H., & Simanjuntak, W. (2021). Green synthesis of mgo nanoparticles using moringa oleifera leaf aqueous extract for antibacterial activity. *Bulletin of the Chemical Society of Ethiopia*, *35*(1), 161–170. https://doi.org/10.4314/BCSE.V35I1.14

Fouda, A., Eid, A. M., Abdel-Rahman, M. A., EL-Belely, E. F., Awad, M. A., Hassan, S. E. D., AL-Faifi, Z. E., & Hamza, M. F. (2022). Enhanced Antimicrobial, Cytotoxicity, Larvicidal, and Repellence Activities of Brown Algae, Cystoseira crinita-Mediated Green Synthesis of Magnesium Oxide Nanoparticles. *Frontiers in Bioengineering and Biotechnology*, *10*(February), 1–14. https://doi.org/10.3389/fbioe.2022.849921

Foudah, A. I., Ayman Salkini, M., Alqarni, M. H., & Alam, A. (2024). Preparation and evaluation of antidiabetic activity of mangiferin-loaded solid lipid nanoparticles. *Saudi Journal of Biological Sciences*, *31*(4). https://doi.org/10.1016/j.sjbs.2024.103946

Harso, A. (2017). Nanopartikel dan Dampaknya Bagi Kesehatan Manusia. *OPTIKA: Jurnal Pendidikan Fisika*, 20–26. http://www.uniflor.ac.id/e-journal/index.php/optika/article/download/124/90

Hasanah, E., Syarif, D. G., & Tarigan, D. E. (2015). *Pengaruh Doping Mgo Terhadap Konduktivitas Ionik Keramik Csz Untuk Sofc The Effect Of Mgo Doping On Ionic Conductivity Of Csz Ceramics For Sofc Solid Electrolyte*. https://doi.org/10.17146/gnd.2015.18.2.2653

Hendrian, E., & Munasir. (2023). Green synthesis of magnetic Fe3O4 nanoparticles (MNPs) using plant extract and Biomedicine Applications: Targeted Anticancer Drug Delivery System. *Inovasi Fisika Indonesia*, *12*(2), 30–46. https://doi.org/10.26740/ifi.v12n2.p30-46

Hirphaye, B. Y., Bonka, N. B., Tura, A. M., & Fanta, G. M. (2023a). Biosynthesis of magnesium oxide nanoparticles using Hagenia abyssinica female flower

aqueous extract for characterization and antibacterial activity. *Applied Water Science*, *13*(9). https://doi.org/10.1007/s13201-023-01987-2

Hirphaye, B. Y., Bonka, N. B., Tura, A. M., & Fanta, G. M. (2023b). Biosynthesis of magnesium oxide nanoparticles using Hagenia abyssinica female flower aqueous extract for characterization and antibacterial activity. *Applied Water Science*, *13*(9), 1–12. https://doi.org/10.1007/s13201-023-01987-2

Indhira, D., Aruna, A., Manikandan, K., Albeshr, M. F., Alrefaei, A. F., Vinayagam, R., Kathirvel, A., Priyan, S. R., Kumar, G. S., & Srinivasan, R. (2023). Antimicrobial and Photocatalytic Activities of Selenium Nanoparticles Synthesized from Elaeagnus indica Leaf Extract. *Processes*, *11*(4). https://doi.org/10.3390/pr11041107

Ingle, A., Rai, M., Gade, A., & Bawaskar, M. (2009). Fusarium solani: A novel biological agent for the extracellular synthesis of silver nanoparticles. *Journal of Nanoparticle Research*, *11*(8), 2079–2085. https://doi.org/10.1007/s11051-008-9573-y

Joy Ugo, N., Raymond Ade, A., & Tochi Joy, A. (2019). Nutrient Composition of Carica Papaya Leaves Extracts. *Journal of Food Science and Nutrition Research*, *02*(03). https://doi.org/10.26502/jfsnr.2642-11000026

Kasim, S., Taba, P., Ruslan, & Anto, R. (2020). Sintesis Nanopartikel Perak Menggunakan Ekstrak Daun Eceng Gondok (Eichornia crassipes) Sebagai Bioreduktor. *KOVALEN: Jurnal Riset Kimia*, *6*(2), 126–133. https://doi.org/10.22487/kovalen.2020.v6.i2.15137

Khan, M. I., Akhtar, M. N., Ashraf, N., Najeeb, J., Munir, H., Awan, T. I., Tahir, M. B., & Kabli, M. R. (2020). Green synthesis of magnesium oxide nanoparticles using Dalbergia sissoo extract for photocatalytic activity and antibacterial efficacy. *Applied Nanoscience (Switzerland)*, *10*(7), 2351–2364. https://doi.org/10.1007/s13204-020-01414-x

Lidia, I., & Mursal, P. (2018). *Karakterisasi Xrd Dan Sem Pada Material Nanopartikel Serta Peran Material Nanopartikel Dalam Drug Delivery System*.

Lubis, N. F., Putri Rahayu, Y., Nasution, H. M., & Lubis, M. S. (2022). *Uji Antibakteri Nanopartikel Ekstrak Etanol Daun Mangga Arum Manis (Mangifera Indica L. Var. Arum Manis) Pada Bakteri Staphylococcus Aureus* (Vol. 5, Issue 2). http://ejournal.medistra.ac.id/index.php/JFM

Mahbubul, I. M., Saidur, R., Amalina, M. A., Elcioglu, E. B., & Okutucu-ozyurt, T. (2015). Ultrasonics Sonochemistry Effective ultrasonication process for better colloidal dispersion of nanofluid. *Ultrasonics - Sonochemistry*, *26*, 361–369. https://doi.org/10.1016/j.ultsonch.2015.01.005

Manjula, R., Thenmozhi, M., Thilagavathi, S., Srinivasan, R., & Kathirvel, A. (2019). Green synthesis and characterization of manganese oxide nanoparticles from Gardenia resinifera leaves. *Materials Today: Proceedings*, *26*, 3559–3563. https://doi.org/10.1016/j.matpr.2019.07.396

Miryanti, Y. A., Sapei, L., Budiono, K., & Indra, S. (2011). Ekstraksi Antioksidan Dari Kulit Buah Manggis (Garcinia mangostana L.). *Research Report - Engineering Science*, *2*. https://doi.org/Bandung: Universitas Katolik Parahyangan

Mohammad, S., Abtahi, H., Vikesland, P. J., Richey, C., Davis, M., Ducker, W. A., Murphy, C. J., & Marr, L. C. (2018). *Implications of Shape Factors on*

Fate, Uptake, and Nanotoxicity of Gold Nanomaterials. https://vtechworks.lib.vt.edu/items/42f3d8a6-7f8f-4b3a-ba3d-94123402b588

Mustaghfiri, A. (2023). *Green synthesis of TiO 2 nanoparticles : dye-sensitized solar cells (DSSC) Applications : a review*. *12*, 10–29.

Nailazzulfa, K. (2014). *Sintesis Nanopartikel Fe2o3 Dari Batu Besi Dengan Metode Kopresipitasi Dalam Ph Bervariasi*. Institut Teknologi Sepuluh Nopember.

Narasaiah, P., Mandal, B. K., & Sarada, N. C. (2017). Biosynthesis of Copper Oxide nanoparticles from Drypetes sepiaria Leaf extract and their catalytic activity to dye degradation. *IOP Conference Series: Materials Science and Engineering*, *263*(2). https://doi.org/10.1088/1757-899X/263/2/022012

Nurcahyanti, A. R. (2019). Mangifera and Impatiens from Sumatra: Phylogenetic positions and their modes of action as anticancer agents. *Pharmacognosy Reviews*, *13*(25), 16. https://doi.org/10.4103/phrev.phrev_26_18

Prasetyaningtyas, T., Prasetya, A. T., & Widiarti, N. (2020). *Indonesian Journal of Chemical Science Sintesis Nanopartikel Perak Termodifikasi Kitosan dengan Bioreduktor Ekstrak Daun Kemangi (Ocimum basilicum L .) dan Uji Aktivitasnya sebagai Antibakteri*. *9*(1).

Pugazhendhi, A., Prabhu, R., Muruganantham, K., Shanmuganathan, R., & Natarajan, S. (2019). Anticancer, antimicrobial and photocatalytic activities of green synthesized magnesium oxide nanoparticles (MgONPs) using aqueous extract of Sargassum wightii. *Journal of Photochemistry and Photobiology B: Biology*, *190*, 86–97. https://doi.org/10.1016/j.jphotobiol.2018.11.014

Rahayu, I., Program, R. R., Farmasi, S., Tinggi, S., Kesehatan, I., Tunas, B., & Tasikmalaya, H. (2019). *Prediksi Aktivitas Antiinflamasi Senyawa Mangiferin Pada Tanaman Mangga (Mangifera indica. L) Sebagai Inhibitor Cox-2 Prediction of Anti-Inflamatory Acitivity of Mangeiferin Compounds in Mango Plants (Mangifera Indica. L) as Cox-2 Inhibitor*. http://www.rcsb.org/pdb/home/home.d

Rasyid, R., Nofriyelli, E., & Andayani, R. (2018). *Validasi Metode Analisis Mangiferin Dalam Plasma In Vitro Secara Kromatografi Lapis Tipis-Densitometri*.

Rorong, J. A. (2015). Analisis Fenolik Jerami Padi (Oryza Sativa) pada Berbagai Pelarut Sebagai Biosensitizer untuk Fotoreduksi Besi. In *JURNAL MIPA UNSRAT ONLINE* (Vol. 4, Issue 2).

Rotti, R. B., Sunitha, D. V., Manjunath, R., Roy, A., Mayegowda, S. B., Gnanaprakash, A. P., Alghamdi, S., Almehmadi, M., Abdulaziz, O., Allahyani, M., Aljuaid, A., Alsaiari, A. A., Ashgar, S. S., Babalghith, A. O., Abd El-Lateef, A. E., & Khidir, E. B. (2023). Green synthesis of MgO nanoparticles and its antibacterial properties. *Frontiers in Chemistry*, *11*. https://doi.org/10.3389/fchem.2023.1143614

Safaat, M., Diah, &, & Wulandari, A. (2021). *Toksisitas Nanopartikel Terhadap Biota Dan Lingkungan Laut*.

Safitri, S., Miyarso, C., Fitriyati, L., & Gombong, M. (2022). Uji Anti Luka Bakar Kombinasi Ekstrak Etanol Daun Mangga Arumanis (Mangifera Indica L.) Dan Daun Salam (Syzygium Polianthum (Wight) Walp.) Untuk Luka

Bakar Derajat Ii A Tikus Putih Jantan Galur Wistar Anti-Burn Test Combination Ethanol Extract Of Arumanis. In *Jurnal Farmasi Klinik dan Sains* (Vol. 2022, Issue 2).

Saidah, N. I. dan Z. M. (2012). Pengaruh Variasi pH Pelarut HCl Pada SintesisBarium M-Heksaferrit Dengan Doping Zn(BaFe11,4Zn0,6O19) Menggunakan MetodeKopresipitasi. *JURNAL SAINS DAN SENI ITS* . http://ejurnal.its.ac.id/index.php/sains_seni/article/view/354

Saputri, D., & Rohmawati, L. (2021). Sintesis Magnesium Oksida (MgO) dari Dolomit Bangkalan dengan Metode Leaching. *Jurnal Teori Dan Aplikasi Fisika*, *9*(2), 203. https://doi.org/10.23960/jtaf.v9i2.2808

Sari, K., Syahidah, D., & Pebrianti, S. A. (2023). *Pengantar Pangan Fungsional*. https://www.researchgate.net/publication/374145316

Shah, M., Badwaik, V., Kherde, Y., Kumar Waghwani, H., Modi, T., Aguilar, Z. P., Rodgers, H., Hamilton, W., Marutharaj, T., Webb, C., Lawrenz, M. B., & Dakshinamurthy, R. (2014). Gold nanoparticles: various methods of synthesis and antibacterial applications. In *Frontiers in Bioscience* (Vol. 19). https://article.imrpress.com/bri/Landmark/articles/pdf/Landmark4284.pdf

Siti Zulaicha, A., Syahjoko Saputra, I., Puspita Sari, I., Alvien Ghifari, M., Yulizar, Y., & Nopiandi Permana, Y. (2021). Green Synthesis Nanopartikel Perak (AgNPs) Menggunakan Bioreduktor Alami Ekstrak Daun Ilalang (Imperata cylindrica L). In *RJNAS] Rafflesia Journal of Natural and Applied Sciences* (Vol. 2021, Issue 1). https://ejournal.unib.ac.id/rjna/article/view/15588

Thakkar, K. N., Mhatre, S. S., & Parikh, R. Y. (2010). Biological synthesis of metallic nanoparticles. In *Nanomedicine: Nanotechnology, Biology, and Medicine* (Vol. 6, Issue 2, pp. 257–262). https://doi.org/10.1016/j.nano.2009.07.002

Vasantharaj, S., Sathiyavimal, S., Senthilkumar, P., LewisOscar, F., & Pugazhendhi, A. (2019). Biosynthesis of iron oxide nanoparticles using leaf extract of Ruellia tuberosa: Antimicrobial properties and their applications in photocatalytic degradation. *Journal of Photochemistry and Photobiology B: Biology*, *192*, 74–82. https://doi.org/10.1016/j.jphotobiol.2018.12.025

Willian, N. (2022). *One-step Green Sintesis Nanopartikel Emas : Potensi Ekstrak Mangrove Sebagai Marine Bioreduktor*. http://repositori.umrah.ac.id/id/eprint/4197

Wilujeng, R.A., Kusnawati Dan Pratiwi, E., 2010. Ekstraksi Dan Karakterisasi Zat Warna Alami Dari Daun Mangga (Mangifera Indica Liin) Serta Uji Potensinya Sebagai Pewarna Tekstil, Universitas Negeri Malang, Malang.