

DAFTAR PUSTAKA

- Abedini, A.K.S.; Mehrdad, S.A.A.; Abdizadeh, M. 2012. Effect of Surfactant and pH on the Structural and Morphological Properties of CoFe₂O₄ Nanoparticles. *J. Sci. Res.*, 11, 1202-1206.
- Ali, D.M.; Sasikala, M.; Gunasekaran, M.; Thajuddin, N. 2011. Biosynthesis and Characterization of Silver Nanoparticles Using Marine Cyanobacterium. *Oscillatoriavillei Ntdm01. Digest J. Nanomater. Biostruct.*, 6, 385–390.
- Amininezhad, S.M.; Rezvani, A.; Amouheidari, M.; Amininejad, M.; Rakshani, S. 2015. The Antibacterial Activity of SnO₂ Nanoparticles against *Escherichia coli* and *Staphylococcus aureus*. *Journal of Research in Medical Sciences*, 16, 29-33.
- Arief, S.; Gustia, V.; Wellia, V.D.; Zulhadjri; Ban, T.; Ohya, Y. 2015. Hydrothermal Synthesized Ag Nanoparticles Using Bioreductor of Gambier Leaf Extract (*Uncaria Gambier Roxb.*). *Journal of Chemical and Pharmaceutical Research*, 7, 189-192.
- Arts, I.C.; Van, D.P.B.; Hollman, P.C. 2000. Catechin contents of foods commonly consumed in The Netherlands. 2. Tea, wine, fruit juices, and chocolate milk. *J Agric Food Chem*, 48, 1752-7.
- Atia, T.A.; Altimari, P.; Moscardini, E.; Pettiti, I.; Pagnanelli, L.T.F. 2016. Synthesis and Characterization of Copper Ferrite Magnetic Nanoparticles by Hydrothermal Route. *Journal of Chemical Engineering Transactions*, 47, 151-156.
- Bhatia, S. 2016. Nanoparticles Types, Classification, Characterization, Fabrication Methods and Drug Delivery Applications. Springer International Publishing: Switzerland.
- Byrappa, K dan Adschari, T. 2007. Hydrothermal Technology for Nanotechnology. *Progress in Crystal Growth and Characterization of Materials* ., 53, 117-166.
- Chauhan, S.S.; Ojha, C.; Shrivastava, A.K. 2009. Synthesis and characterization of CuFe₂O₄ nanoparticles. *International Journal of Theoretical & Applied Sciences*, 2, 9-11.
- Chung, M.L.; Rahuman, A.; Marimuthu, S.; Kirthi, V.A.; Anbarasan, K.; Padmini, P.; Rajakumar, G. 2017. *Green Synthesis of Copper Nanoparticles Using Eclipta Prostrata Leaves Extract And Their Antioxidant And Cytotoxic Activities*. *Journal Experimental And Therapeutic Medicine*, 14, 18-24

- Diodati S.; Pandolfo L.; Caneschi A.; Gialanella S.; Gross S. 2014. Green and Low Temperature Synthesis of Nanocrystalline Transition Metal Ferrites by Simple Wet Chemistry Routes. *Nano Research*, 7, 1027–1042.
- Fardood, S.T.; Ramazani, A.; Golfar, Z.; Joo, S.W. 2017. Green Synthesis of Ni-Cu-Zn Ferrite Nanoparticles Using Tragacanth Gum And Their Use as an Efficient Catalyst for The Synthesis of Polyhydroquinoline Derivatives. *Journal of Applied Organometallic Chemistry*.
- Firdaus.; Dahlan, M.H.; Faizal, M.; Kaprawi.: Arita, S. 2015. Study of Local West Sumatera Stove Performances in Boiling Gambir (*Uncaria Gambir Roxb.*). *Journal of Sustainable Development*, 8, 252-259.
- Galindo, R.; Menendez, N.; Crespo, P.; Velasco, V.; Miguel, O.B.; Fernandez, D.D.; Herrasti, P. 2014. Comparison of different methodologies for obtaining nickel nanoferrites. *Journal of Magnetism and Magnetic Materials*, 361, 118–125.
- Gingasu, D.; Mindru, I.; Patron, L.; Moreno, J.M.C.; Mocioiu, C.; Preda, S.; Stanica, N. 2016. Green Synthesis Methods of CoFe_2O_4 and $\text{Ag-CoFe}_2\text{O}_4$ Nanoparticles Using Hibiscus Extracts and Their Antimicrobial Potential. *Journal of Nanomaterials*, 1-12
- Harikumar, P.S dan Aravind, A. 2016. Antibacterial Activity of Copper Nanoparticles and Copper Nanocomposites against *Escherichia Coli* Bacteria. *J. International of Sciences*, 5, 83-90.
- Hayani, E. 2003. Analisis kadar *catechin* dari gambir dengan berbagai metode [Analysis of *catechin* content of gambir by various methods]. *Buletin Teknik Pertanian*, 8, 31-33.
- Iqbal, M.J.; Yaqub, N.; Sepiol, B.; Ismail, B. 2011. *A Study of The Influence of Crystallite Size On The Electrical and Magnetic Properties Of CuFe_2O_4* . *Journal of Material Research Bulletin*, 46, 1837-1842.
- Jacinta, A.M.; Umapathy, V.; Neeraja, P.; Rajkumar, S.R.J. 2017. Synthesis and comparative studies of MnFe_2O_4 nanoparticles with different natural polymers by sol-gel method: structural, morphological, optical, magnetic, catalytic and biological activities. *Journal of Nanostructure in Chemistry*, 7, 375-387
- Jayandran, M.; Haneefa, M.M.; Balasubramanian, V. 2015. *Green Synthesis And Characterization Of Manganese Nanoparticles Using Natural Plant Extracts And Its Evaluation Of Antimicrobial Activity*. *Journal of Applied Pharmaceutical Science* 5, 105-110.
- Jianli, Li.; Wu, Q.; Wu, Ji. 2016. *Handbook of Nanoparticles*. Switzerland: Springer International Publishing.

- Jones, N.; Ray, B.; Ranjit, K.T.; Manna, A.C. 2008. Antibacterial activity of ZnO nanoparticle suspensions on a broad spectrum of microorganisms. FEMS microbiology letters, 279, 71-76.
- Kanagesan, S.; Hashim, M.; Aziz, S. A. B.; Ismail, I.; Tamiselvan, S.; Alitheen, N. B.; Swarny, M.K.; Rao, B.P.C. 2016. Evaluation of Antioxidant and Cytotoxicity Activities of Copper Ferrite (CuFe_2O_4) and Zinc Ferrite (ZnFe_2O_4) Nanoparticles Synthesized by Sol-Gel Self-Combustion Method. Journal of Nanotechnology and Applied Nanosciences, 6, 184.
- Karam, M.C.; Zimmer, D.; Petit, J.; Scher, J. 2016. Effects of drying and grinding in production of fruit and vegetable powders: A review. *in* Journal of Food Engineering, 188, 32-49.
- Kaur, T dan Srivastava, A.K. 2013. Effect of pH on Magnetic Properties of Doped Barium Hexaferrite. International Journal of Research in Mechanical Engineering & Technology, 3, 171-173
- Kombaiah, K.; Vijaya, J.J.; Kennedy, L.J.; Bououdina, M.; Ramalingam, R.J.; Lohedan, H.A. 2017. Okra Extract-Assisted Green Synthesis of CoFe_2O_4 Nanoparticles and Their Optical, Magnetic, And Antimicrobial Properties. Journal of Materials Chemistry and Physics.
- Kulkarni, N.; Muddapur, U. 2014. Biosynthesis of Metal Nanoparticles: A Review. Hindawi Publishing Corporation, Journal of Nanotechnology, 1-8.
- Kurian, J dan Mathew, J. 2016. A Facile Approach To The Elucidation Of Magnetic Parameters Of CuFe_2O_4 Nanoparticles Synthesized By Hydrothermal Route. Journal of Magnetism and Magnetic Materials.
- Lagashetty, A; Vijayanand, H; Basavaraja, S; Mallikarjuna, N.N. 2010. Venkataraman. Lead Adsorption Study On Combustion Derived $\Gamma\text{-Fe}_2\text{O}_3$ Surface. Journal of Material Science, 33, 1-6.
- Lafta, S.H. 2017. Effect of pH on Structural, Magnetic and FMR Properties of Hydrothermally Prepared Nano Ni Ferrite. Journal of Open Chem, 15, 53-60.
- Manikandan, M.; Durka.; Antony, S.A. 2015. *Hibiscus Rosa-Sinensis Leaf Extracted Green Methods, Magneto-Optical and Catalytic Properties of Spinel Cu_{Fe2O4} Nano and Microstructures*. Journal of Inorganic and Organometallic Polymers and Materials, 5, 1019–1031.
- Maheswari, R.U.; Prabha, A.L.; Nandagopalan, V.; Anburaja, V. 2012. Green Synthesis of Silver Nanoparticles by Using Rhizome Extract of *Dioscorea Oppositifolia* L. And Their Anti Microbial Activity Against Human Pathogens. Journal of Pharmacy and Biological Sciences, 1, 38- 42.

- Mallikarjuna, N.; Nadagouda.; Varma, R.S. 2008. Green Synthesis of Silver and Palladium Nanoparticles at Room Temperature Using Coffee And Tea Extract. The Royal Society of Chemistry, 10, 859–862.
- Manova, E.; Tsoneva, T.; Estournes, C.l.; Paeva, D.; Tenchev, K.; Mitov, I.; Petrov, L. 2006. Nanosized Iron and Iron–Cobalt Spinel Oxides as Catalysts for Methanol Decomposition. Journal of Applied Catalysis, 300, 170-180.
- Melo, R.P.; Radunz, E.C. 2011. Influence Of Drying Process On The Quality Of Medicinal Plants: A Review. Journal of Medicinal Plants Research, 33, 7076-7084.
- Mishra, M.; Huang, J.; Balasubramaian, M.K. 2014. The yeast actin cytoskeleton. Review. FEMS Microbiol, 38, 213-227.
- Mozaffari, M.; Amighian, J.; Darsheshdar, E. 2014. *Magnetic and Structural Studies of Nickel-Substituted Cobalt Ferrite Nanoparticles, Synthesized by The Sol–Gel Method*. Journal of Magnetism and Magnetic Materials, 350, 19–22.
- Naseri, M.G.; Ahangar, A.A.; Saion, E.; Shaari, A.H. 2013. Fabrication, characterization, and magnetic properties of copper ferrite nanoparticles prepared by a simple, thermal-treatment method. Materials Research Bulletin, 48, 1439–1446.
- Paramasivan, P & Venkatesh, P. 2016. *Controllable Synthesis Of CuFe₂O₄ Nanostructures Through Simple Hydrothermal Method In The Presence Of Thioglycolic Acid*. Physica E: Low-dimensional Systems and Nanostructures.
- Phan, C.M.; Nguyen, H.M. 2017. Role of Capping Agent in Wet Synthesis of Nanoparticles. J Phys Chem A., 12, 3213-3219.
- Pokropivny, V.; Lohmus, R.; Hussainova, L. 2009. Introduction to Nanomaterials.
- Prabhakaran, T.; Denardin, J.C.; Mangalaraja, R.V.; Varaprasad, K. 2018. The effect of capping agents on the structural and magnetic properties of cobalt ferrite nanoparticles. Journal of Materials Science Materials in Electronics.
- Pu, Y.; Zhai, Y.; Tao, X.; Chen, J. 2010. Hydrothermal synthesis and magnetic properties of Co_{0.2}Cu_{0.03}Fe_{2.7}O₄ nanoparticles. Materials Research Bulletin, 45, 616-620.
- Ramazani, A.; Fardood, S.T.; Hosseinzadeh, Z.; Sadri, S.; Joo, S.W. 2017. Green Synthesis Of Magnetic Copper Ferrite Nanoparticles Using Tragacanth Gum As A Biocompound And Their Catalytic Activity For The Oxidation Of Alcohols. Iranian Journal of Catalysis, 3, 181-185.

- Rashad, M.M.; Mohamed, R.M.; Ibrahim, M.A.; Ismail, L.F.M.; Abdel, E.A. 2012. Magnetic And Catalytic Properties Of Cubic Copper Ferrite Nanopowders Synthesized From Secondary Resources. *Advanced Powder Technology*, 23, 315–323.
- Riman, R.E.; Suchanek, W.L.; Lencka, M.M. 2002. *Hydrothermal Crystallization Of Ceramics*. *Journal of Ann. Chim. Sci. Mat*, 6, 15-36.
- Saleh, A.T dan Gupta, K.R. 2016. Nanomaterial and Polymer Membranes || Synthesis, Classification, and Properties of Nanomaterials. Netherlands: Elsevier.
- Sabarni. 2015. Teknik pembuatan gambir (*Uncaria gambir Roxb*) secara tradisional. *J. Islam . Sci. Technol*, 1, 105–112
- Sanpo, N.; Wen, C.; Berndt, C.C.; Wang, J. 2013. Antibacterial Properties of Spinel Ferrite Nanoparticles. *Microbial pathogens and strategies for combating them: science, technology and education*, 239-250.
- Shinde, A.B. 2013. Structural and Electrical Properties of Cobalt Ferrite Nanoparticles. *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 3, 64-67.
- Sorescu, M.; Diamandescu, L. 2004. Peelamedu, R.; Roy, R.; Yadoji, P.: *Structural and magnetic properties of NiZn ferrites prepared by microwave sintering*. *Journal of Magnetism and Magnetic Materials*, 279, 195–201.
- Supriyanto; Simon, B.W.; Rifa'i, M.; Yunianta. 2017. Uji Fitokimia Dan Aktivitas Antioksidan Ekstrak Daun Mimba (*Azadirachta indica Juss*). Prosiding Snatif ke-4 tahun.
- Tarafdar, J.C.; Sharma, S.; Raliya, R. 2013. *Nanotechnology: Interdisciplinary Science of Applications*. *Journal of Biotechnology*, 12, 219-226.
- Thunugunta, T.; Reddy, A.C.; Reddy, L. 2015. *Green synthesis of nanoparticles: current prospectus*. Review. New York University Bobst Library Technical Services. *Nanotechnology Reviews*.
- Wotjan, M.P.; Liskiewicz, M.K.; Depciuch, J.; Sadik, O. 2016 Green Synthesis and Antibacterial Effects of Aqueous Colloidal Solutions of Silver Nanoparticles Using Camomile Terpenoids as a Combined Reducing and Capping Agent. *Journal of Bioprocess Biosyst Eng*.
- Yunarto, N.; Elya, B.; Konadi, L. 2013. Potensi Fraksi Etil Asetat Ekstrak Daun Gambir (*Uncaria gambir Roxb.*) sebagai Antihiperlipidemia. *J. Kefarmasian Indonesia*, 5, 1-10.

Zhang, F.; Su, R.; Shi, L.; Liu, Y.; Chen, Y.; Wang, Z. 2013. Hydrothermal Synthesis of CoFe₂O₄ Nanoparticles and their Magnetic Properties. *Journal of Advanced Materials Research*, 821-822, 358-1361.

Zhang, J.; Huang, K.; Yuan, L.; Feng, S. 2017. Mineralizer Effect on Facet-Controllable Hydrothermal Crystallization of Perovskite Structure YbFeO₃ Crystals. *Journal of Royal Society of Chemistry*.

