

DAFTAR PUSTAKA

- Abdallah H. M. I., Thomas M., dan Nokwanda N., 2013, The Effect of Temperature on the Structure and Magnetic Properties of Co_{0,5}Ni_{0,5}Fe₂O₄ Spinel Nanoferrite, *Journal of Magnetism and Magnetic Materials*, 394 : 223 –228.
- Ahmad M. R., Yasir J., Ayesha T., dan Tousif H., 2015, Refinement in the Structural and Magnetic Properties of Co_{0,5}Ni_{0,5}Fe₂O₄ and its Application as Laser Micro-Propellant using Ablation Confinement, *Journal of Magnetism and Magnetic Materials*, 384 : 302 – 307.
- Azizi A., H. Yoozbashizadeh , A. Yourdkhani , dan M. Mohammadi , 2010, Phase Formation and Change of Magnetic Properties in Mechanical Alloyed Ni_{0,5}Co_{0,5}Fe₂O₄ by Annealing, *Journal of Magnetism and Magnetic Materials*, 322 : 56 – 59.
- Buschow, K.H.J., dan F. R. D. Boer, 2003, *Physics of Magnetism and Magnetic Materials*, Kluwer Academic Publishers, Amerika Serikat.
- Callister, W. D., dan David G. R., 2009, *Fundamental of Material Science and Engineering*, John Wiley & Sons, Inc., Amerika Serikat.
- Chen, R., W. Wang, dan X. Zhao, Y. Zhang, S. Wu, F. Li, 2014, Rapid hydrothermal synthesis of magnetic Co_xNi_{1-x}Fe₂O₄ nanoparticles and their application on removal of Congo red, *Chemical Engineering Journal*, 242 : 226 - 233.
- Coey, J. M. D., 2009, *Magnetism and Magnetic Materials*, Cambridge University Press, Inggris.
- Cullity, B. D., dan Graham, C. D., 2009, *Introduction to Magnetic Materials, Second Edition*. IEEE Press, John Wiley & Sons, Inc., Amerika Serikat.
- Deraz, N. M., dan Abd-alkader, O. H., 2013, Preparation and Characterization of Nano-Magnetic Ni_{0,5}Mg_{0,5}Fe₂O₄ System for Biological Application, *Journal of Pure and Applied Microbiology*, 7 : 333 - 339.
- Fultz, B., dan James M. H., 2008, *Transmission Electron Microscopy and Diffraction of Material*, Springer, Amerika Serikat.

- Furlani, E. P., 2001, *Permanent Magnet and Electromechanical Devices*, Academic Press, Amerika Serikat.
- Getzlaff, 2008, *Fundamentals of Magnetism*, Springer, Amerika Serikat.
- Gharagozlou, M., 2009, Synthesis, Characterization and Influence of Calcination Temperature on Magnetic Properties of Nanocrystalline Spinel Co-Ferrite Prepared by Polymeric Precursor Method, *Journal of Alloys and Compounds*, 486 : 660 – 665.
- Halliday, D., R. Resnick, dan Walker, J., 1989, *Fundamental of Physics*, John Wiley & Sons, Inc, Kanada.
- Hermawan, A., 2015, Fabrikasi Nanopartikel Magnesium Ferrite (MgFe₂O₄) dengan Metode Kopresipitasi dan Karakterisasi Struktur Kristal dan Sifat Kemagnetannya, *Tesis Program Studi S2 Fisika Jurusan Fisika Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Gadjah Mada*, Indonesia.
- Hosokawa, M., Kiyoshi N., Makio N., dan Toyokazu Y., 2007, *Nanoparticle Technology Handbook*, Elsevier, Netherland
- Houshiar, M., Fatemeh Z., Zahra J. R., Ali A., Zohreh A., 2014, Synthesis of Cobalt Ferrite (CoFe₂O₄) Nanoparticles Using Combustion, Coprecipitation , and Precipitation Methods : A Comparison Study of Size, Structural, and Magnetic Properties, *Journal of Magnetism and Magnetic Materials*, 371: 43 – 48
- Job, A. E., A. F. e Siqueira, C. S. Danna, F. S. Bellucci, F. C. Cabrera, dan L. E. K. Silva, 2014, Utilization of Composites and Nanocomposites Based on Natural Rubber and Ceramic Nanoparticles as Control Agents, *Intech*.
- Jun, Y. W., Seo, J. W., dan Cheon, 2008, Nanoscaling Law of Magnetic Nanoparticles and Their Applicabilities in Biomedical Science, *Acc. Chem. Res*, 41 (2) :179 – 189.
- Kumar, A., Nisha Y., Dinesh S. R., Parmod K., Manju A., dan R. P. Pant, 2015, Structural and Magnetic Studies of the Nickel Doped CoFe₂O₄ Ferrite Nanoparticles Synthesized by the Chemical Co-Precipitation Method, *Journal of Magnetism and Magnetic Materials*, 394 : 379 – 384.
- Leng, Y., 2008, *Material Characterization : Introduction to Microscopic and Spectroscopic Methods*, John Wiley and Sons (Asia) Pte Ltd, Singapura.

- Maaz, K., S. Karim, K. J Lee, M. H. Jung, dan G. H. Kim, 2012, Effect of Temperature on the magnetic characteristics of Ni_{0,5}Co_{0,5}Fe₂O₄ Nanoparticles, *Materials Chemistry an Physics*, 133 : 1006 – 1010.
- Maqsooda, A., K. Khana, M. Anis-ur-Rehman, M. A. Malik, 2011, Spectroscopic and Magnetic Investigation of NiCo Nanoferrites, *Journal of Alloys and Compounds*, 509 : 7493 – 7497
- Mathew, D.S., dan Juang, R., 2006, An Overview of The Structure and Magnetism of Spinel Ferrite Nanoparticles and Their Synthesis in Microemulsions, *Chemical Engineering Journal*, 129 : 51 - 56.
- Maulia, R., 2016, Fabrikasi Nanopartikel Magnesium Nikel Ferrite (Mg_{0,5}Ni_{0,5}Fe₂O₄) dengan Metode Kopresipitasi serta Karakterisasi Struktur Kristal dan Sifat Kemagnetannya, *Tesis Program Studi S2 Fisika Jurusan Fisika Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Gadjah Mada*, Indonesia.
- Muflihatun, 2015, Sintesis Nanopartikel Nickel Ferrite (NiFe₂O₄) dengan Metode Kopresipitasi beserta Karakterisasi Struktur Kristal dan Sifat Kemagnetannya, *Tesis Program Studi S2 Fisika Jurusan Fisika Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Gadjah Mada*, Indonesia.
- Nikam, D.S., S.V. Jadhav, V.M. Khot, M.R. Phadatare, dan S.H. Pawar, 2013, Study of AC Magnetic Heating Characteristics of Co_{0,5}Zn_{0,5}Fe₂O₄ Nanoparticles for Magnetic Hyperthermia Therapy, *Journal of Magnetism and Magnetic Materials*, 349 : 208 – 213.
- Panchal, N.R., 2011, Study and Characterisation of Some Hexa-Ferrite Systems, *Doctoral*
- Pankhurst, Q.A., Connolly, J., Jones, S.K., dan Dobson, J., 2003, Application of Magnetic Nanoparticle in Biomedicine, *Journal of Physics D: Applied Phisics*, 36, R167-R181.
- Safi, R., A. Ghasemi, R. S. Razavi, M. Tavousi, 2015, The role of pH on the particle size and magnetic consequence of cobalt ferrite, *Journal of Magnetism and Magnetic Materials* 396 : 288 –2 94
- Setiadi, E. A., 2015, Fabrikasi dan Karakterisasi Struktur Kristal dan Sifat Kemagnetan Nanopartikel Cobalt Ferrite (CoFe₂O₄) Beserta Proses Fungsionalnya dengan PEG-4000. *Tesis Program Studi S2 Fisika*

*Jurusan Fisika Fakultas Matematika dan Ilmu Pengetahuan Alam
Universitas Gadjah Mada, Indonesia.*

- Shanmugavani, A., Kalai S., Samar L., dan Leonid V., 2015, Influence of pH and Fuels on the Combustion Synthesis, Structural, Morphological, Electrical and Magnetic Properties of CoFe₂O₄ Nanoparticle, *Material Research Bulletin*, 71 : 122 - 132.
- Singhal S., J. Singh, S. K. Barthwal, dan K. Chandra, 2005, Preparation and characterization of nanosize nickel-substituted cobalt ferrites (Co_{1-x}Ni_xFe₂O₄), *Journal of Solid State Chemistry*, 178 : 3183 – 3189.
- Srinivas, C. T., B. V. Meena, S. S. Yusuf, S. M. Seshu, C. Ramakrishna, K. S. Potukuchi dan D. M. Sastry, 2016, Journal of Magnetism and Magnetic Materials Structural and Magnetic Characterization of Co-Precipitated Ni_xZn_{1-x}Fe₂O₄ Ferrite Nanoparticles Intensity (A . U), *Journal of Magnetism and Magnetic Materials*, 407 : 135 – 141.
- Sun L., Ru Z., Zhenduo W., Lin J., Ensi C., dan Yongjia Z., 2016, Structural, Dielectric and Magnetic Properties of NiFe₂O₄ Prepared via Sol–gel Auto-combustion Method, *Journal of Magnetism and Magnetic Materials*, 421 : 65 – 70
- Tewari, K. K., 1987, *Electricity and Magnetism with Electronics*, S. Chand & Company LTD, India.
- Thesis*, Gujarat University, Ahmedabad, India. Pankhurst, Q.A., Connolly, J., Jones, S.K., dan Dobson, J., 2003, Application of Magnetic Nanoparticle in Biomedicine, *Journal of Physics D: Applied Physics*, 36 : R167 - R181.
- Torkian, S. Ghasemi, A. Razavi dan R. Shoja, 2017, Cation Distribution and Magnetic Analysis of Wideband Microwave Absorptive Co_xNi_(1-x) Fe₂O₄ Ferrites, *Ceramics International*.
- Xiao H. W., W. Zhi, 2015, Ferrite Prepared by NaOH-Precipitation Method, *Materials Science & Engineering B*, 199 : 57 – 61.