

DAFTAR PUSTAKA

- Ahmad, T., Iqbal, Y., Bae, H., Rhee, I., Hong, S., Chang, Y., dan Lee, J., 2013, Relaxivities of Hydrogen Protons in Aqueous Solutions of Gold-coated Manganese Ferrite Nanoparticles, *Journal of the Korean Physical Society*, 1696-1701.
- Ahmed, M.A., Okasha, N., El-Dek S. I., 2008, Preparation and Characterization of Nanometric Mn Ferrite via Different Methods, *IOP Publishing Nanotechnology*, 1088, 957-4488.
- Amighian, J., Mozaffari, M., dan Nasr, B., 2006, Preparation of Nano-sized Manganese Ferrite (MnFe₂O₄) via Co-precipitation Method, *Physics Status Solidi*, Vol 3, ISSUE 9, 3188-3192.
- Andrade, A.L., Souza, D.M., Pereira, M.C., Fabris, J.D., dan Domingues, R.Z., 2009, Synthesis and Characterization of Magnetic Nanoparticles Coated With Silica Through a Sol-gel Approach.
- Askeland, D.R., dan Pule, P.P., 2001, *The Science and Engineering of Materials*, USA: PWS.
- Bujoreanu, V.M., Diamandescu, L., dan Brezeanu, M., 2000., On The Structure of Manganese Ferrite Powder Prepared by Coprecipitation From MnO₂ and FeSO₄.7H₂O, *Material Letters*, 169-174.
- Carta, D., Casula, M.F., Floris, P., Falqui, A., Mountjoy, G., Boni, A., Corrias, A., 2010, Synthesis and Microstructure of Manganese Ferrite Colloidal Nanocrystals, *Physical Chemistry Chemical Physics*.
- Cheon, J., Kang, N.-J., Lee, S.-M., Yoon, J.-H., Oh, S.J., 2004, Shape evolution of Single crystalline Iron Oxide Nanocrystals, *J. Am. Chem. Soc.* 126, 1950-1951.
- Coey, J.M.D., 2010, *Magnetism and Magnetic Materials*, Cambridge University Press, United States of America.
- Filipovic, L., 2010, Topography Simulation of Novel Processing Techniques, <http://www.iue.tuwien.ac.at/index.php?id=phd>, diakses tanggal 17 April 2015.
- Foner, S., 1985, Versatile and Sensitive Vibrating-Sample Magnetometer, *Rev.Sci.Instrum*, Vol. 30, No.7 pp, 48-557.
- Gajbhiye, N.S., Balah, G., dan Ghafari, M., 2002, Magnetic Properties of Nanostructured MnFe₂O₄ Synthesized by Precursor Technique, *phys.stat.sol.*

- Giwangkara, S., EG, 2006, Aplikasi Logika Syaraf Fuzzy Pada Analisis Sidik Jari Minyak Bumi Menggunakan Spetrotometer Infra Merah – Transformasi Fourier (FT-IR)”, *Sekolah Tinggi Energi dan Mineral*, Cepu – Jawa Tengah.
- Gubin, S.P., 2008, *Magnetic Nanoparticles*, Moscow.
- Hosseini, S. H., dan Asadnia, A., 2013, Polyaniline/FeO₃Coated on MnFe₂O₄Nanocomposite: Preparation, Characterization and Applications in Microwave Absorption, *International Journal of Physical Sciences*, 1209-50%, 30%, 20%, 15%, 10% dan 5% 1217.
- Khopkar, S.M., 1990, *Konsep Dasar Kimia Analitik*, Universitas Indonesia Press.
- Kmelie, P., Aalaye, S.E., dan Salamati H., 2012, Preparation and Investigation of The Structural and Magnetic Properties of SiO₂ Coated MnFe₂O₄ Ferrite Nanoparticle, *International Conference on Nanostructures*, hal 1407-1409, Iran.
- Liang, H.F., dan Wang, Z.C., 2010, Adsorption of Bovine Serum Albumin on Functionalized Silica-coated Magnetic MnFe₂O₄ Nanoparticles, *Material Chemistry and Physics*, 964-969.
- Lu, A.-H., Salabas, E.L., dan Schuth, F., 2007, Magnetic Nanoparticles: Synthesis, Protection, Functionalization and Application, *Magnetic Nanoparticle*.
- Martinez-Guerrero, A., Juste-Perez, J., dan Marzan-Liz, M., 2010, Recent Progress on Silica Coating of Nanoparticles and Related Nanomaterials, *Advanced Materials*, hal 1182-1195.
- Moskowitch, B.M., 2011, Hitchhiker's Guide to Magnetism, <http://www.irm.umn.edu/>, diakses tanggal 22 April 2015.
- Mozaffari, M., Behdadfar, B., Amighian, J., 2008, Preparation and Characterization of Manganese Ferrite Nanoparticles via Co-precipitation Method for Hyperthermia, *Iranian Journal of Pharmaceutical Science*, Ishafan University, Iran.
- Panigraha, Ranjana., 2011, Synthesis and Characterisation of Silica Coated Magnetite Nanoparticle, *Dissertation*, National Institute of Technology Rourkela, Chemistry, Orissa.
- Pauzan, Muh., 2015, Kajian Sifat Kemagnetan Nanopartikel Copper (Ferrite (CuFe₂O₄) yang Dienkapsulasi Dengan Polyethylene Glicol (PEG-4000) dan Silika, *Thesis*, Universitas Gadjah Mada, Fisika Material dan Instrumentasi Yogyakarta.
- Puri, R.K., dan Babbar, V.K., 1997, Chand dan Company Ltd, *Solid State Physics*, S., New Delhi.

- Sam, S., dan Nesaraj, A.S., 2011, Preparation of MnFe₂O₄ Nanoceramic Particles by Soft Chemical Routes, *International Journal of Applied Science and Engineering*, 9, 4 : 223-239.
- Smith, W.F., 1996, *Principle of Material Science and Engineering*, United States of America: McGraw-Hill, Inc.
- Soderberg, T., 2010, *Organic Chemistry with A Biological Emphasis*, <http://chemwiki.ucdavis.edu>, diakses tanggal 11 Maret 2015.
- Suharyadi, E., 2003, The Relation between Microstructure and Magnetic Properties of High Bs CoNiFe Electrodeposited Thin Film by Thermal Annealing, *Thesis*, Waseda University.
- Sunaendar, B. dan Dharma, H.G., 2007, Pengaruh Komposisi terhadap Sifat Magnetik dari Serbuk Ferit Mn-Zn, *Jurnal Sains Materi Indonesia*, 1,9, hal 24-29.
- Tawainella, R.D., 2014, Kajian Struktur Kristal Dan Sifat Kemagnetan Pada Nanopartikel Manganese Ferrite (Mnfe₂o₄) Dan Proses Fungsionalisasi Dengan Peg-4000, *Thesis*, Universitas Gadjah Mada, Fisika Material dan Instrumentasi, Yogyakarta
- Xu, C., 2009, Modification of Superparamagnetic Nanoparticles for Biomedical Applications, *Dissertation*, Brown University, Providence, Rhode Island.