

DAFTAR PUSTAKA

- Abdullah, M., & Khairurrijal. (2009). Review: Karakterisasi Nanomaterial. *Jurnal Nanosains & Nanoteknologi*, 2, 33-57.
- Anonim. (2014). *Development of X-ray crystallography*. <https://publish.illinois.edu/x-raycrystallography/>: Diakses 9 Mei 2016.
- Askeland, D. R., Fulay, P. P., & Wright, W. J. (2011). *The Science and Engineering of Materials, 6th Edition*. USA: Global Engineering.
- Bakar, M. A., Tan, W. L., & Bakar, N. H. (2007). A Simple Synthesis of Size Reduce Magnetite Nano-Crystals Via Aqueous to Toluene Phase-Transfer. *Journal of Magnetism and Magnetic Materials*, 317, 1-6.
- Bett, S. (2014). *Why does a magnet only attract objects made of iron, nickel and cobalt?* <https://www.quora.com/Why-does-a-magnet-only-attract-objects-made-of-iron-nickel-and-cobalt>: Diakses 7 Juli 2016.
- Cullity, B. D. (1959). *Elements of X-Ray Diffraction*. Massachusetts: Addison-Wesley Publishing Company, Inc.
- Cullity, B. D., & Graham, C. D. (2009). *Introduction to Magnetic Materials, 2nd Edition*. Hoboken, New Jersey: John Wiley & Sons, Inc.
- De, M., Bera, G., & Tewari, H. S. (2015). Characterization of Magnesium Substituted Nickel Ferrites Nano-Particles Synthesized Using Combustion Technique. *International Journal of Mathematics and Physical Sciences Research*, 3, 71-76.
- Deraz, N., & Abd-Elkader, O. H. (2013, November). Preparation and Characterization of Nano-magnetic $Ni0.5Mg0.5Fe_2O_4$ System for Biological Applications. *Journal of Pure and Applied Microbiology*, 7, 333-339.

- Gabal, M. A. (2009). Effect of Mg substitution on the magnetic properties of NiCuZn ferrite nanoparticles prepared through a novel method using egg white. *Journal of Magnetism and Magnetic Materials*, 321, 3144-3148.
- Gabal, M. A., Angari, Y. M., & Zaki, H. M. (2014). Structural, magnetic and electrical characterization of Mg–Ni nano-crystalline ferrites prepared through egg-white precursor. *Journal of Magnetism and Magnetic Materials*, 363, 6-12.
- Gaffoor, A., & Ravinder, D. (2014). Characterization of Magnesium Substituted Nickel Nano Ferrites Synthesized By Citrate-Gel Auto Combustion Method. *Journal of Engineering Research and Applications*, 4, 60-66.
- Gangaswamy, D. R., Varma, M. C., Bharadwaj, S., Rao, K. S., & Rao, K. H. (2015). Comparison Study of Structural and Magnetic Properties of Magnesium-Substituted Nickel-Zinc Ferrites Synthesized by Solid-State and Sol-Gel Routes. *Journal of Superconductivity and Novel Magnetism*, 28, 3599-3606.
- Ghatreh-Samani, R., & Mostafaei, A. (2014). Chemical Co-precipitation Synthesis of Spinel Manganese Ferrite Nanoparticles ($MnFe_2O_4$): Morphological Characterizations and Magnetic Properties. *Journal of Magnetism and Magnetic Materials*, 409, 90-99.
- Griffiths, D. J., & College, R. (1999). *Introduction to Electrodynamics*. Upper Saddle River, New Jersey: Prentice Hall.
- Jeong, U., Teng, X., Wang, X., Yang, H., & Xia, Y. (2007). Superparamagnetic Colloids: Controlled Synthesis and Niche Application. *Advanced Materials*, 19, 33-60.
- Kittel, C. (2005). *Introduction to Solid State Physics, 8th Edition*. John Wiley & Sons, Inc.
- Maensiri, S., Sangmanee, M., & Wiengmoon, A. (2009). Magnesium Ferrite ($MgFe_2O_4$) Nanostructures Fabricated by Electrospinning. *Nanoscale Research Letters*, 4, 221-228.

- McMillan, J. A. (1959). Equipment for The Determination of Magnetic Susceptibilities. *American Journal of Physics*, 27, 352-354.
- Mocanu, Z. V., Airimioaei, M., Ciomaga, C., Curecheriu, L., Tudorache, F., Tascu, S., . . . Mitoseriu, L. (2014). Investigation of the functional properties of $MgxNi_{1-x}Fe_2O_4$ ceramics. *Journal of Material and Science*, 49, 3276-3286.
- Moradmard, H., Shayesteh, S. F., Tohidi, P., Abbas, Z., & Khaleghi, M. (2015). Structural, magnetic and dielectric properties of magnesium doped nickel ferrite nanoparticles. *Journal of Alloys and Compounds*, 650, 116-122.
- Naeem, M., Shah, N. A., Gul, I. H., & Maqsood, A. (2009). Structural, electrical and magnetic characterization of Ni-Mg spinel ferrites. *Journal of Alloys and Compounds*, 487, 739-743.
- Nave, C. R. (2001). *Hysteresis*. <http://hyperphysics.phy-astr.gsu.edu/hbase/solids/hyst.html>: Diakses 5 Juli 2016.
- Nufus, A. (2015). *Studi Hubungan Tetapan Suseptibilitas Magnet terhadap Ukuran Partikel dan Struktur Kristal pada Nanopartikel Magnetik Copper Ferrite ($CuFe_2O_4$)*. Yogyakarta: Fakultas MIPA, Universitas Gadjah Mada.
- Pankhurst, Q. A., Connolly, J., Jones, S. K., & Dobson, J. (2003). Application of Magnetic Nanoparticle in Biomedicine. *Journal of Physics D: Applied Physics*, 36, R167-R181.
- Puri, R. K., & Babbar, V. K. (1997). *Solid State Physics*. New Delhi: S.Chand Publishing Group.
- Quinn, J. J., & Yi, K.-S. (2009). *Solid State Physics Principles and Modern Applications*. Berlin: Springer-Verlag.
- Román, S. (2014). *Superparamagnetic nanoparticles and the separation problem*. <http://mappingignorance.org/2014/03/05/superparamagnetic-nanoparticles-and-the-separation-problem/>: Diakses 9 Mei 2016.

Serway, R. A., & Jewett, J. W. (2004). *Physics for Scientists and Engineers, 6th Edition*. Thomas Brooks/Cole.

Siswanto, R., & Suharyadi, E. (2014). Pengukuran Tetapan Suseptibilitas pada Polyethylene Glycol (PEG-4000) Coated- Nanopartikel Magnetik Cobalt Ferrite ($CoFe_2O_4$). *Jurnal Fisika Indonesia, XVIII*.

Smith, W. F. (1996). *Principles of Materials Science and Engineering*. McGraw-Hill, Inc.

Suharyadi, E. (2003). The Relation between Microstructure and MagneticProperties of High Bs CoNiFe Electrodeposited Thin Film by Thermal Annealing. *Thesis, Waseda University*.

What-When-How. (2010). *Magnetic Phenomena and Their Interpretation—Classical Approach (Magnetic Properties of Materials) Part 1*. <http://what-when-how.com/electronic-properties-of-materials/magnetic-phenomena-and-their-interpretationclassical-approach-magnetic-properties-of-materials-part-1/>: Diakses 9 Mei 2016.