

DAFTAR PUSTAKA

- Abdullah, M., 2009, *Pengantar Nanosains*, ISBN 987-979-1344-48-7, Penerbit ITB, Bandung
- Ahmed, M.A., Okasha, N., dan El-Dek S.I., 2007, Preparation and Characterization of Nanometric Mn ferrite via different Methods, *IOP Publishing Nanotechnology* 19(2008)065603(6pp), doi:10.1088/0957-4484/19/6/065603
- Ahmed, M.A., Okasha, N., dan El-Dek S.I., dan ansour, SF, 2010, Bi-modal improvement of the physico-chemical characteristics of PEG and MFe₂O₄ subnanoferrite, *Journal of Alloys and Compounds* 496, 345–350
- Amellya, 2014, Fabrikasi Nanopartikel Magnetik *Manganese Ferrite* (MnFe₂O₄) Dengan Metode Kopresipitasi Dan Kajian Struktur Kristalnya, *Skripsi*, Universitas Gadjah Mada, Yogyakarta.
- Antenbrink, M.H., Rechenberg, B.V., dan Hofmann, H., 2009, Superparamagnetic nanoparticles for biomedical applications, *Nanostructured Materials for Biomedical Applications*, ISBN: 978-81-7895-397-7
- Anam, C., Sirojudin, Firdausi, K.S., 2007, Analisis Gugus Fungsi Pada Sampe UJI, Bensin Dan Spiritus Menggunakan Metode Spektroskopi FTIR, *Berkala Fisika ISSN : 1410 – 9662*, Vol 10. , No., hal 79-85
- Askeland, D.R. dan Pule, P.P., 2001, *The Science and Engineering of materials*, USA: PWS Publishers.
- Cheon, J., Kang, N.-J., Lee, S.-M., Yoon, J.-H., dan Oh, S. J., 2004, Shape evolution of singlecrystalline iron oxide nanocrystals. *J. Am. Chem. Soc.* 126, 1950–1951.
- Chinnasamy, C.N., Yang, Aria, Yoon, S.D., Hsu, Kailin, Shultz, M.D., Carpenter, E.E., Mukerjee, S., Vittoria, C., Harris, V.G., 2007, Size dependent magnetic properties and cation inversion in chemically synthesized MnFe₂O₄ nanoparticles, *Journal Of Applied Physics* 101, 09M509
- Cornell, R.M. dan Schwertmann, 2003, *The Iron Oxides*, Wiley-VCH GmbH &Co.KGaA.
- Cullity B.D., 1972, *Elements of X-Ray Diffraction*, John Wiley & Sons, Inc, United States of America
- Datta, A., 2007, Characterization of Polyethylene Glycol Hydrogels for Biomedical Applications, *Thesis*, University of Pune, India.
- Farooq, H., Ahmad, M.R., Jamil, Y., Hafeez, A., Mahmood, Z., Mahmood, T., 2012, Structural and Dielectric Properties of Manganese Ferrite Nanoparticles, *Journal of Basic & Applied Sciences*, 8, 597-601
- Fernandez B.R., 2011, Sintesis Nanopartikel, *Makalah*, Universitas Andalas, Padang.
- Fessenden, 1997, “Kimia Organik”, jilid 1, edisi ketiga Erlangga, Jakarta.
- Halliday, D., Resnick, R., dan Walker, J., 1989, *Fundamental of Physics*, John Wiley & Sons, INC., Canada.

- Jales, D., 1998, *Introduction to Magnetism and Magnetic Materials*; CRC Press, Boca Raton.
- Kim, C.H, Kim, D.W., dan Cho, K.Y., 2009, The Influence of PEG Molecular Weight on The Structural Changes of Corn Starch in A Starch/PEG Blend, *Polym. Bull*, 63, 91-99.
- Koseoglu, Y., Bay, M., Tan, M., Baykal, A., Sozeri, H., Topkaya, R., dan Akdogan, N., 2011, Magnetic and dielectric properties of Mn_{0.2}Ni_{0.8}Fe₂O₄ nanoparticles synthesized by PEG-assisted hydrothermal method, *J Nanopart Res* 13:2235-2244, DOI 10.1007/s11051-010-9982-6
- Lu, J., Ma, S., Sun, J., Xia, C., Liu, C., Wang, Z., Zhao, X., Gao F., Gong, Q., Song, B., Shuai, X., Ai, H., dan Gu., Z., 2009, Manganese ferrite nanoparticle micellar nanocomposites as MRI contrast agent for liver imaging, *Biomaterials* 30, 2919–2928.
- Metode Spektroskopi Inframerah Untuk Analisis Material, [internet], (file.upi.edu_Direktori_FPMIPA_JUR._PEND._KIMIA_197512232001121 -IQBAL_MUSTHAPA_Kuliah_Spektrum_IR), diakses pada tanggal 13 Mei 2014
- Mozaffari, M., Behdadfar, B., dan Amighian, J., 2008, *Preparation and Characterization of Manganese Ferrite Nanoparticles via Co-precipitation Method for Hyperthermia*, Isfahan University, Iran.
- Osmokrovic, P., Jovalekic, C., Manojlovic, D., dan Pavlovic, M., 2006, Synthesis of Nanoparticles by Mechano-chemical Reaction, *Journal of Optoelectronics and Advanced Materials*, 1, 8, 312-314.
- Perdana, F. A., 2010, Sintesis dan Karakterisasi Partikel Nano Fe₃O₄ dengan Template PEG- 1000, Institut Teknologi Sepuluh Nopember, Surabaya.
- Perdana, F. A., Baqiya, M., Mashuri, Triwikantoro dan Darminto, 2011, Sintesis Nanopartikel Fe₃O₄ dengan Template PEG-1000 dan Karakterisasi Sifat Magnetiknya, *Jurnal Material dan Energi Indonesia*, no. 01, vol. 01, 1 – 6.
- Pratama, M.R., 2013, Analisis Gugus Fungsi Pada Superparamagnetic Iron Oxide Nanoparticles (SPIONs) Magnetit (Fe₃O₄) Dengan Polietilen Glikol (PEG-4000) Sebagai Templat, *Skripsi*, Universitas Gadjah Mada, Yogyakarta.
- Puri, R.K., dan Babbar, V.K., 1997, *Solid State Physics*, New Delhi, S. Chand & Company Ltd.
- Salabas E.L., 2004, Structural and Magnetic Investigations of Magnetic Nanoparticles and Core-Shell Colloids, *Dissertation*, der Universität Duisburg-Essen, Romania.
- Saoud, F., 2010, Superparamagnetic nanoparticles for synthesis and purification of polymers prepared via Controlled/Living Radical Polymerization (CLRP), *Dissertation*, University of Stellenbosch.
- Setiadi, E.A., Shabrina N., Utami, H.R.B., Fahmi N.F., Kato, T., Iwata, S., dan Suharyadi, E., Sintesis Nanopartikel Cobalt Ferrite (CoFe₂O₄) dengan Metode Kopersipitasi dan Karakterisasi Sifat Kemagnetannya, *Indonesian Journal of Applied Physics*, Vol.3 No.1 halaman 55
- Smith, W.F., 1996, *Principle of Materials Science and Engineering*, United States of America: McGraw-Hill, Inc.

- Staff laboratorium Fisika Material dan Instrumentasi, 2012, *Buku Penuntun Praktikum Eksperimen Fisika Zat Padat*, Laboratorium Fisika Material dan Instrumentasi FMIPA Universitas Gadjah Mada, Yogyakarta.
- “Struktur Padatan Kristalin” diakses dari www.chem-is-try.org pada tanggal 2 Oktober 2014.
- Suharyadi, E., 2003, The Relation between Microstructure and Magnetic Properties of High Bs CoNiFe Electrodeposited Thin Film by Thermal Annealing, *Thesis*, Waseda University.
- Taufiq, A., Triwikantoro, Pratapa, S., Darminto, 2008, Sintesis Partikel Nano Fe₃-xMnxO₄ Berbasis Pasir Besi dan Karakterisasi Struktur serta Kemagnetannya, *Jurnal Nanosains dan Teknologi*, No.2, Vol.1.
- Santi, W.N., 2014, Karakterisasi dan Analisis Gugus Fungsi pada Nanopartikel Magnetik *Cobalt Ferrite* (CoFe₂O₄) dengan Polietilen Glikol (PEG-4000) sebagai *Template*, *Skripsi*, Universitas Gadjah Mada, Yogyakarta.
- William, D.B. dan Carter, C.B., 1996, *Transmission Electron Microscopy*, Plenum Press, New York.