

DAFTAR PUSTAKA

- Abdullah, M., 2009, Pengantar Nanosains, Institut Teknologi Bandung, Bandung.
- Abdullah, B.J., 2022, Size effect of band gap in semiconductor nanocrystals and nanostructures from density functional theory within HSE06, *Materials Science in Semiconductor Processing*, 137.
- Agami, W.R., 2022, Monitoring the dielectric properties of Mn-ferrite nanoparticles by controlling crystallite size and applying static magnetic field, *Ceramics International*.
- Alfarisa, S., Rifai, D.A., Toruan, P.L., 2018, Studi Difraksi Sinar-X Struktur Nano Seng Oksida (ZnO), *Risalah Fisika*, 2(2), 53-57.
- Ansar, M.Z., Atiq, S., Alamgir, K., dan Nadeem, S., 2014, Frequency and Temperature Dependent Dielectric Response of Fe₃O₄ Nano-crystal, *Journal of Scientific Research*, Vol. 6:3, 399-406.
- Anwar, H., Akhtar, H., Aslam, M.U., Amin, N., Sallem, M.R., Murtaza, G., Asif, M., Ali, A., Hussain, M., Mustafa, G., 2018, Structural Phase EVolution and Dielectric Response In (BiFeO₃) Multiferroic Oxide, *Journal of Ovonic Research*, Vol.14:2, 93-100.
- Armitasari, L., Yusmar, A., Suharyadi, E., 2018, Effect of Polyethylene Glycol (PEG-4000) on Dielectric Properties of Mn_{0.5}Zn_{0.5}Fe₂O₄ Nanoparticle, *IOP Conference Series: Materials Science and Engineering*, 367.
- Bandyopadhyay, R., Selbo, J., Amidon, G. E., dan Hawley, M., 2005, Application of Powder X-ray Diffraction in Studying the Compaction Behavior of Bulk Pharmaceutical Powders, *Journal of Pharmaceutical Sciences*, 94, 11, 2520– 2530.
- Banerjee, A., Blasiak, B., Pasquier, E., Tomanek, B., dan Trudel, S., 2017, Synthesis, characterization, and evaluation of PEGylated first-row transition metal ferrite nanoparticles as T2 contrast agents for high-field MRI, *RSC adv*, 7, 38125 – 38134.
- Bao, D., Yang, H., Zhang, L., Yao, X., 1998, Structure and Optical Properties of SrTiO₃ Thin Films Prepared by a Sol-Gel Technique, *Phys. Stat. sol.*, 169, 227-233
- Bajpai, O.P., Kamdi, J.B., Selvakumar, M., Ram, S., Khastgir, D., dan Chattopadhyay, S., 2014, Effect of surface modification of BiFeO₃ on the dielectric, ferroelectric, magneto-dielectric properties of polyvinyl acetate/BiFeO₃ nanocomposites, *eXPRESS Polymer Letters*, Vol 8: 9, 669-681

- Barsoukov, E., Macdonald, J.R., 2005, *Impedance Spectroscopy Theory, Experiment, and Applications Second Edition*, John Wiley & Sons, Canada.
- Barsoum, M. W., 2003, *Fundamentals of Ceramics*, IOP Publishing
- Bavani, T., Madhavan, J., Prasad, S., AlSalhi, M.S., ALJaffreh, M., A straightforward synthesis of visible light driven BiFeO₃/AgVO₃ nanocomposites with improved photocatalytic activity, *Environmental Pollution*.
- Bhagyaraj, S. M., Oluwavemi, O. S., Kalarikkal, N., dan Thomas, S., 2018, *Synthesis of Inorganic Nanomaterials Advances and Key Technology*, Elsevier Ltd., United Kingdom.
- Bu, S., Cai, D., Li, J., Yu, S., Jin, D., dan Cheng, J., 2011, Structure and photocatalytic properties of Bi₂₅FeO₄₀ crystallites derived from the PEG assisted sol-gel methods, *MRS Online Proceedings Library*, Vol. 1324.
- Bunaciu, A.A., Udriștioiu, E.A., Aboul-Enein, H.Y., 2015, X-Ray Diffraction: Instrumentation and Applications, *Critical Reviews in Analytical Chemistry*, 45:4, 289-299
- Buschow, K. H. J., 2015, *Handbook of Magnetic Materials*, Vol. 23, Chapter 3-4, Elsevier B.V, Netherlands.
- Cai, S., 2013, Bismuth-containing multiferroics; Synthesis, Structure and Magnetic Properties, *Tesis*, Departement of Chemical and Biological Engineering Chalmers University Of Technology, Sweden.
- Cai, Z., Wang, X., Hong, W., Luo, B., Zhao, Q. & Li, L., 2018, Grain size dependent dielectric properties in nanograin ferroelectrics. *Journal of the American Ceramic Society*, 101, 12, 5487-5496.
- Chen, G., Chen, J., Pei, W., Lu, Y., Zhang, Q., Zhang, Q., dan He, Y., 2019, Bismuth ferrite Materials for Solar Cells: Current Status and Prospects, *Material Research Bulletin*, 110, 39-49.
- Chybczynska, K., Blaszyk, M., Hilczer, B., Lucinski, T., Matczak, M. dan Andrzejewski, B., 2017, PEG-controlled thickness of BiFeO₃ crystallites in microwave hydrothermal synthesis, *Materials Research Bulletin*, 86, 178-185.

- Dao, N.N., Luu, M.D., Pham, N.C., Doan, T.D., Nguyen, T.H.C., Nguyen, Q.B. dan Duong, T.L., 2016, Low-temperature Synthesis and Investigations on Photocatalytic Activity of Nanoparticles BiFeO₃ for Methylene Blue and Methylene Orange Degradation and Some Toxic Organic Compounds, *Advances in Natural Sciences: Nanoscience and Nanotechnology*, 7, 045003.
- Deepam, M., Harikishan, T., Kanwar, S. N., Ashish, G., 2009, BiFeO₃ ceramics synthesized by mechanical activation assisted versus conventional solid-state-reaction process: A comparative study, *Journal of Alloys and Compounds*, Vol 477, Issues 1–2, Pages 780–784.
- Dimitrov, I., Tsvenatov, C. B., 2012, Oligomeric Poly(ethylene oxide)s, *Polymer Science: A Comprehensive Reference*, Vol.4, 679–693.
- Dongol, M., El-Denglawey, A., Abd El Sadek, M.S. & Yahia, I.S., 2015, Thermal Annealing Effect on the Structural and the Optical Properties of Nano CdTe Films. *Optik*, 126, 14, 1352–1357.
- Egorysheva, A.V., Kuvshinova, T.B., Volodin, V.D., Ellert O.G., Efimov, N.N., Skorikov, V.M., Baranchikov, A.E., NovotortseV, V.M., 2013, Synthesis of High-Purity Nanocrystalline BiFeO₃, *Inorganic Materials*, Vol. 49:3, 310–314.
- Fox, Mark, 2010, *Optical Properties of Solids Second Edition*, Oxford University press Inc., New York.
- Gao, T., Chen, Z., Niu, F., Zhou, D., Huang, Q., Zhu, Y., Qin, L., Sun, X., Huang, Y., 2015, Shape-controlled preparation of bismuth ferrite by hydrothermal method and their visible-light degradation properties, *Journal of Alloys and Compounds*, Vol. 648, 564–570.
- Gheorghiu, F.P., Ianculescu, A., Postolache, P., Lupu, N., Dobromir, M., Luca, L., Mitoseriu, D., 2010, Preparation and properties of (1 – x)BiFeO₃– xBaTiO₃ multiferroic ceramics, *Journal of Alloys and Compounds*, 506, 862–867.
- Glinchuk, M.D., Ragulya, A.V. dan Stephanovich, V.A., 2013, Nanoferroics, Volume 177, Springer Science and Bussines Media Dordrecht, London.
- Goldman, A, 2006, *Modern Ferrite Technology*, Springer, United State of America.
- Hawkins, S., Wolf, M., Guyard, G., Greenberg, S., dan Dayan, N., 2005, Microcapsules as a Delivery System, *Delivery System Handbook for Personal Care and Cosmetic Products*, William Andrew Publishing.

- Heriansyah, Mustawarman, Suharyadi, E., 2015, Kajian Sifat Dielektrik pada Nanopartikel Magnetite (Fe_3O_4) yang Dienkapsulasi Polimer Polyethylene Glycol (PEG-4000), *Spektra: Jurnal Fisika dan Aplikasinya*, 16(3), 50-55.
- Hippel, V.A.R., 1966, *Dielectrics and Waves*, MIT Press, Cambridge.
- Iwashita, N, 2016, *Materials Science and Engineering of Carbon : Characterization*, Butterworth-Heinemann, Cambridge.
- Jebari, H., Tahiri, N., Boujnah, M., El Bounagui, O., Taibi, M., dan Ez-Zahraouy, H., 2021, Theoretical investigation of electronic, magnetic and magnetocaloric properties of $\text{Bi}_{25}\text{FeO}_{40}$ compound, *Phase Transitions*, 94:3-4, 147-158.
- Kasap, S.O., 2006, *Principles of electronic materials and deVices*, McGraw-Hill, New York.
- Kao, K. C., 2004, *Dielectric phenomena in solid: with emphasis on physical concepts of electronic processes*, Elsevier Academic Press, USA.
- Ke, H., Wang, W., Wang, Y., Xu, J., Jia, D., Lu, Z., Zhou, Y., 2011, Factors controlling pure-phase multiferroic BiFeO_3 powders synthesized by chemical co-precipitation, *Journal of Alloys and Compounds*, Vol 509, Issue 5, 2192-2197.
- Khanna, L., dan Verma, N. K., 2013, PEG/ CaFe_2O_4 Nanocomposite: Structural, Morphological, Magnetic and Thermal Analyses, *Physica B*, 427, 68-75.
- Köferstein, R., Buttlar, T., dan Ebbinghaus, S.G., 2014, Investigations on $\text{Bi}_{25}\text{FeO}_{40}$ powders synthesized by hydrothermal and combustion-like processes, *Journal of Solid State Chemistry*, Vol. 217, 50-56
- Koizumi, N., 1957, Dielectric Properties of Polyethylene Glycols at Microwave Frequencies, *The Journal of Chemical Physics*, Vol. 27:3, 625-630.
- Korotkov, L. N., Dvornikov, V. S., Pankova, M. A., dan Korotkova, T.N., (2020) Dielectric properties of *amorphous* BiFeO_3 , *Ferroelectrics*, 561:1.
- Kumar, A., Yadav, K.L., Singh, H., Pandu, R., Reddy, P.R., 2010, Structural, magnetic and dielectric properties of $x\text{CrFe}_2\text{O}_4-(1-x)\text{BiFeO}_3$ multiferroic nanocomposites, *Physica B*, Vol. 405, Issue 10, 2362-2366.
- Kumar, P., Chand, P., & Joshi, A., 2019, Effect of Annealing Temperature on Structural and Dielectric Properties of Bismuth Ferrite Nanostructures. *AIP Conference Proceedings 2142*, Published Online, 29 Agustus.

- Kumar, P., Pattanaik, M., Sonia, 2013. Synthesis and characterizations of KNN ferroelectric ceramics near 50/50 MPB. *Ceramics International*, 39(1), 65–69.
- Kumari, P., dan Khare, N., 2017, Structural, Optical and Magnetic Properties of $\text{Bi}_{25}\text{FeO}_{40}$ Nanoparticles Synthesized by Hydrothermal Method, *Recent Trends in Materials and Devices*, Vol. 178.
- Kurniawan W.B. dan Abraha K., 2017, Pengukuran Nilai Dielektrik Material Calcium Copper Titanat ($\text{CaCu}_3\text{Ti}_4\text{O}_{12}$) Menggunakan Spektroskopi Impedansi Terkomputerisasi, *Jurnal Sains Dasar*, 6, 1, 26 – 30.
- Laughton, M.A., dan Warne, D.F., 2003, *Electrical Engineer's Reference Book Sixteenth Edition*, Newnes, Oxford.
- Lee, M., 2017, *X-Ray Diffraction for Materials Research from Fundamentals to Applications*, CRC Press, United States.
- Liu, Z., Qi, Y., dan Lu, C., 2010, High Efficient Ultraviolet Photocatalytic Activity of BiFeO_3 Nanoparticle Synthesized by a Chemical Coprecipitation Method, *J Matter Sci: Mater Electron*, 21, 380-384.
- Liu, J., Fan, Z., Kuang, M., He, G., Guan, C., dan Yuan, L., 2013, Relative permittivity dependence of photonic band gaps for unit cells of the basic structural unit of two-dimensional decagonal photonic quasicrystals, *Optics Communications*, 288: 52-55.
- Lu, M., Sun, Y. K., Yang, S. H., Wang, H. Y., Guan, X. H., & Wang, G. S. 2020. Three-Dimensional $\text{Bi}_2\text{Fe}_4\text{O}_9$ Nanocubes Loaded on Reduced Graphene Oxide for Enhanced Electromagnetic Absorbing Properties. *Frontiers in chemistry*, 8, 608.
- Luo, J., Wang, L., Sun, Z., Liu, P., Lai, Y., Zhu, L., dan Guo, H., 2021, Novel bismuth ferrite nanopowder prepared by polyethylene glycol-assisted two-step solid-state reaction: Synthesis and magneto-optical properties, *Ceramics International*, Vol. 47, 3514-3519.
- Lvovich, Vadim F., 2012, *Impedance Spectroscopy with Applications to Electrochemical and Dielectric Phenomena*, John Wiley & Sons, Canada.
- Manjula, N., Ramu, S., Kumar, S., Reddy, D.A., dan Vijayalakshmi, R.P., 2015, Magnetic and Dielectric Properties of BiFeO_3 Nanoparticles, *Journal of Advances In Physics*, Vol.7:2, 1393-1403.
- Markiewicz, E., Hilczer, B., Blaszyk, M., Pietraszko, A., dan Talik, E., 2011, Dielectric properties of BiFeO_3 ceramics obtained from mechanochemically synthesized nanopowders, *J Electroceram*, Vol. 27, 154-161.

- Majid N., 2012, Rancang Bangun Sistem Spektroskopi Impedansi Untuk Menentukan Tetapan Dielektrik Kompleks Material dalam Rentang Frekuensi 5 – 120 kHz, *Tesis*, Program Magister Ilmu Fisika, Universitas Gadjah Mada, Yogyakarta.
- McDonnell, K.A., Wadnerkar, N., English N.J., Rahman, M., dan Dowling, D., 2013, Photo-active and optical properties of bismuth ferrite (BiFeO₃): An experimental and theoretical study, *Chemical Physics Letters*, Vol. 572, 78-84.
- McMahon dan Gillian., 2007, *Analytical Instrumentation, First Edition*, John Wiley & Sons Ltd, Chichester.
- Mustawarman, Heriansyah, & Suharyadi, E., 2015, Kajian Sifat Dielektrik pada Lempeng Nanopartikel Magnetit (Fe₃O₄) yang Dienkapsulasi dengan Polyvinyl Alcohol (PVA), *Jurnal Fisika Indonesia*, 55, 19, 34–37.
- Nadeem, K., Zeb, F., Abid, M.A., Mumtaz, M., dan Rehman M. A., 2014, Effect of amorphous silica matrix on structural, magnetic, and dielectric properties of cobalt ferrite/silica nanocomposites, *Journal of Non-Crystalline Solids*, 400:45-50.
- Naik, V., Naik, R., Somashekarappa, H., Mahesh, S.S., dan Somashekar, R., 2006, Variation of crystallite size of Al_{1-x}In_xN for different values of x and band gap, *Bull. Mater. Sci*, 29:1
- Nasution, N., Fitri, A., 2018, Sintesis Nanopartikel TiO₂ Fasa Rutile dengan Metode Kopresipitasi, *FISITEK: Jurnal Ilmu Fisika dan Teknologi*, Vol. 2:2, 18-25.
- Newnham, R. E., 2005, *Properties of Material*, Oxford University Press, USA.
- Nogueira, R. F., dan Jardim, W. F., 1993, Photodegradation of Methylene Blue, *J. Chem. Educ.*, 10, 70, 861–862.
- Nuzully, S., Kato, T., Iwata, S., Suharyadi, E., 2013, Pengaruh Konsentrasi Polyethylene glycol (PEG) pada Sifat Kemagnetan Nanopartikel Magnetik PEG-Coated Fe₃O₄, *Jurnal Fisika Indonesia*, Vol. 17: 51, 35-40.
- Pain, H. J., 2005, *The Physics of Vibration and Wave Sixth Edition*, John Wiley & Sons, England.
- Pentassuglia, S., Agostino, V., Tommasi, T., EAB—Electroactive Biofilm: A Biotechnological Resource, 2018, *Encyclopedia of Interfacial Chemistry*, Elsevier, 110-123.

- Poplavko, Y.M., Borisov, A.V., 2017, Polarization Influence on Conductivity, IEEE 37th International Conference on Electronics and Nanotechnology (ELNANO)
- Prado-Gonjal, J., Avila, D., Villafuerte-Castrejón, M.E., González-García, F., Fuentes, L., Gómez, R.W., Pérez-Mazariego, J.L., Marquina, V., dan Morán, E., 2011, Structural, microstructural and Mössbauer study of BiFeO₃ synthesized at low temperature by a microwave-hydrothermal method, *Solid State Sciences*, 13(11), 2030-2036.
- Prihatmoko, C.H., 2020, Struktur Kristal, Sifat Dielektrik dan Energi *gap* Pada Silika (SiO₂) yang Diekstraksi dari Abu Sekam Padi, *Skripsi*, Program Sarjana Ilmu Fisika, Universitas Gadjah Mada, Yogyakarta.
- Puri, R.K., dan Babbar, V.K., 1997, *Solid State Physics: Third Edition*, S.Chand and Company LTD, New Delhi.
- Rai, B.P., 1982, Low Frequency Dielectric Loss Measurements on Al₂O₃ Films, *Thin Solid Films*, 94, 115-117.
- Rameshkumar, C., Gayathri, R., dan Subalakshmi, R., 2021, Synthesis and characterization of undoped bismuth ferrite oxide nanoparticles for the application of cancer treatment, *Materials Today: Proceedings*, 4-7.
- Saleh, M.H., 2011, Study of Structural, Optical and Electrical Properties of PbI₂ Thin Films Prepared by Flash-EVaporation Technique, Dissertation, Doctor of Philosophy, University of Jordan, Jordan.
- Salim A, Agus dan Sudaryanto. 2016. "Penambahan N Pada TiO₂ dan Pengaruhnya Pada Energi Band *gap* TiO₂ Sebagai Bahan Pengolah Limbah". BATAN. Agustus 2016, hlm. 59
- Sangian, H., Mirzaee, O., Tajally, M. dan Lavasani, S.A.N.H., 2018, Monitoring The Bi/Fe Ratio at Different Ph Values in BiFeO₃ nanoparticles Derived by Normal And ReVerse Chemical Co-Precipitation: A Comparative Study on The Purity, Microstructure And Magnetic Properties, *Ceramics International*, 44, 5109-5115.
- Setiadi, E.A., 2013, Fabrikasi dan Karakterisasi Struktur Kristal dan Sifat Kemagnetan Nanopartikel Cobalt Ferrite (CoFe₂O₄) beserta proses fungsionalisasinya dengan PEG-4000, *Tesis*, Jurusan Fisika FMIPA, Yogyakarta.
- Shami, M. Y., Awan, M. S., dan Anis-ur-Rehman, M., 2011, Phase Pure Synthesis of BiFeO₃ Nano-powders Using Diverse Precursor Via Co-Precipitation Method, *Journal of Alloys and Compounds*, 509, 10139–10144

- Sharma, P., Diwan, P., Pandey, O., 2019, Impact of environment on the kinetics involved in the solid-state synthesis of bismuth ferrite, *Materials Chemistry and Physics*, Vol. 233, 171 -179.
- Singh, H., Garg, N., Arora, P., Rajput, J. K., dan Jigyasa, 2018, Sucrose chelated auto combustion synthesis of BiFeO₃ nanoparticles: Magnetically recoverable catalyst for the one-pot synthesis of polyhydroquinoline, *Applied Organometallic Chemistry*, 32(6)
- Skorikov, V. M., Kalinkin, A. N., dan Polyakov, A. E., 2012, Magnetic and Electrical Properties of Multiferroic BiFeO₃ Its Synthesis and Applications, *Inorganic Materials*, 48, 1210-1225.
- Smallman, R.E., dan Bishop, R.J., 1999, *Modern Physics Metallurgy and Materials Engineering*, Bath Press, Great Britain.
- Sulanjari, 2014, Kajian Sifat Kemagnetan pada Nanopartikel *Cobalt Ferrite* (CoFe₂O₄) yang Dienkapsulasi dengan *Polyethylene Glycol* (PEG-4000) dan Silika, *Tesis*, Program Magister Ilmu Fisika, Universitas Gadjah Mada, Yogyakarta.
- Sulanjari, Santi, W.N., Artanti, A.A., Suharyadi, E., Kato, T., dan Iwata, S., 2014, Kajian Sifat Kemagnetan pada Nanopartikel *Cobalt Ferrite* (CoFe₂O₄) yang Dicoating dengan *Polyethylene Glycol* (PEG-4000) dan Silika. *Jurnal Fisika Indonesia*, Vol. 18 (54), 103 -107.
- Sulistiani, F. A., 2020, Kajian Struktur Kristal dan Sifat Magnetik Nanopartikel *Multiferroic Bismuth Ferrite*, *Tesis*, Program Magister Ilmu Fisika, Universitas Gadjah Mada, Yogyakarta.
- Sulistiyo, D.H., 2017, Dampak Butir Nanopartikel Copper Ferrite (CuFe₂O₄) Terhadap Sifat Dielektrik, *Jurnal Mekanikal*, Vol. 8:2, 777-783.
- Tahta, A., Malik, A. B., dan Darminto, 2012, Sintesis dan Karakterisasi XRD Multiferroik BiFeO₃ Didoping Pb, *Jurnal Sains dan Seni ITS*, Vol. 1:1, B81-B86
- Tantaray, F., Malla, M., Hafiz, A., Siddiqui, A., 2021, Influence of Rare-Earth and transition metal substitution on structural and dielectric properties of BiFeO₃, *AIP Conference Proceedings*, 2369.
- Taryana, Y., Manaf, A., Sudrajat, N., Wahyu, Y, 2019, Material Penyerap Gelombang Elektromagnetik Jangkauan Frekuensi Radar, *Jurnal Keramik dan Gelas Indonesia*, Vol. 28.
- Thieme, K., Avramov, I., & Rüssel, C., 2016, The Mechanism of Deceleration of Nucleation and Crystal Growth by The Small Addition of Transition Metals to Lithium Disilicate Glasses, *Scientific Reports*, 6, 1–16.

- Tien-Thao, N., Zahedi-Niaki, M. H., Alamdari, H., Kaliaguine, S., 2007, Effect of alkali additives over nanocrystalline Co–Cu-based perovskites as catalysts for higher-alcohol synthesis, *Journal of Catalysis*, Vol 245, Issue 2, 348-357.
- Tipler, P.A., dan Mosca, G., 2008, *Physics for Scientist and Engineers 6th Ed*, W.H. Freeman and Company, New York.
- Triyuliana, N.A., 2017, Sintesis dan Karakterisasi Relaxor Sistem $K_{0.5}Na_{0.5}NbO_3$ -BiFeO₃ (KNN-BFO), *Skripsi*, Program Studi S-1 Departemen Fisika, Institut Teknologi Sepuluh November, Surabaya.
- Wang, G., Lin, C., Liu, S., Deng, Q., Mao, Y., Wang, S., 2018, Hydrothermal synthesis of bismuth ferrite with controllable phase structure, morphology and visible light photocatalytic activities, *Journal of Materials Science: Materials in Electronics*, Vol.29, 4926-4932.
- Wang, H., Chu, P.K., 2013, Surface Characterization of Biomaterials, *Characterization of Biomaterials*, Academic Press, 105-174.
- Wang, X., Mao, W., Wang, Q., Zhu, Y., Min, Y., Zhang, J., Yang, Tao., Yang, J., Li, X., dan Huang, W., 2017, Low-temperature fabrication of Bi₂₅FeO₄₀/rGO nanocomposites with efficient photocatalytic performance under visible light irradiation, *Rsc Advance*, 17.
- Widakdo, J., Istikhomah, N., Rifianto, A., Suharyadi, E., Kato, T., Iwata, S., 2018, Crystal Structures and Magnetic Properties of Polyethylene Glycol (PEG-4000) Encapsulated $Zn_{0.5}Ni_{0.5}Fe_2O_4$ Magnetic Nanoparticles, *Journal of Physics Conference Series*, 1011.
- Xie, H., Wang K., Jiang Y., Zhao Y., Wang X., 2014, An Improved Co-precipitation Method to Synthesize Three Bismuth Ferrites, *Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry*, 44, 1363–1367.
- Xie, J., Xiao, C., Shao, S., Duan, Q., Xie, Q., dan Lü, F., 2021, Effect of Bismuth Ferrite Nanometer Filler Element Doping on the Surface Insulation Properties of Epoxy Resin Composites, *Nanomaterials*, 11(9), 2200.
- Xiong, Z dan Cao, L., 2019, Tailoring morphology, enhancing magnetization and photocatalytic activity via Cr doping in Bi₂₅FeO₄₀, *Journal of Alloys and Compound*, Vol. 773, 828-837.
- Zhang, F., Su, Z., Wen, F. dan Li, F., 2008, Synthesis and Characterization of Polystyrene-Grafted Magnetic Nanoparticles, *Colloid Polymer*, 286, 837- 841.

- Zhang, L., Zou, Y., Song, J., Pan, C., Sheng, S., dan Hou, C., 2016, Enhanced Photocatalytic Activity of $\text{Bi}_{25}\text{FeO}_{40}\text{-Bi}_2\text{WO}_6$ heterostructures based on the rational design of heterojunction interface, *RSC Advances*, Vol 6, Issue 31, 26038-26044.
- Zhang, Y., Guo, Y., Duan, H., Li, H., Yang, L., Wang, P., Sun, C., Xu, B., dan Liu, H., 2012, Photoelectrochemical Response and Electronic Structure Analysis of Mono-Dispersed Cuboid-Shaped $\text{Bi}_2\text{Fe}_4\text{O}_9$ Crystals with Near-Infrared Absorption, *RSC Advances*, 4, 28209-28218.
- Zulkarnain, 2020, Kajian Sifat Dielektrik dan Energi *gap* pada Nanopartikel Magnetik $\text{Mn}_{1-x}\text{Fe}_2\text{O}_4$, *Tesis*, Program Magister Ilmu Fisika, Universitas Gadjah Mada, Yogyakarta.
- Zeng, F., Cao, M., Zhang, L., Liu, M., Hao, H., Yao, Z., dan Liu, H., 2017, Microstructure and dielectric properties of SrTiO_3 Ceramics By Controlled Growth of Silica Shells on SrTiO_3 Nanoparticles, *Ceramics International*, 10, 43, 7710–7716.