

DAFTAR PUSTAKA

- Aakansha, & Ravi, S. (2018). Structural, magnetic and dielectric properties of Cr substituted yttrium iron garnets. *Journal of the American Ceramic Society*, 101(11), 5046-5060.
- Abriyani, E., Syalomita, D., Apriani, I. P., Puspawati, I., Adiputra, S., & Nadeak, Z. T. (2024). Pengaruh Pengolahan Termal Terhadap Struktur Molekul Material Polimer Studi Dengan Spektroskopi FTIR. *Innovative: Journal Of Social Science Research*, 4(1), 3424-3432.
- Acharya, S., Mondal, J., Ghosh, S., Roy, S. K., & Chakrabarti, P. K. (2010). Multiferroic behavior of lanthanum orthoferrite (LaFeO₃). *Materials Letters*, 64(3), 415-418.
- Adjokatse, S., Kahmann, S., Duim, H., & Loi, M. A. (2019). Effects of strontium doping on the morphological, structural, and photophysical properties of FASnI₃ perovskite thin films. *APL Materials*, 7(3).
- Alaih, A. F. F., Triyono, D., Dwiputra, M. A., & Nugroho, F. A. A. (2024). Ultrafast and low-hysteresis humidity sensors based on mesoporous LaFeO_{0.925Ti0.075O3} perovskite. *Sensors and Actuators B: Chemical*, 412, 135810.
- Alfarisa, S., Rifai, D. A., & Toruan, P. L. (2018). Studi difraksi sinar-x struktur nano seng oksida (ZnO). *Risalah Fisika*, 2(2), 53-57.
- Al-Mamari, R. T., Widatallah, H. M., Elzain, M. E., Gismelseed, A. M., Al-Rawas, A. D., Al-Harthi, S. H., ... & Al-Abri, M. (2024). Core and surface structure and magnetic properties of mechano-synthesized LaFeO₃ nanoparticles and their Eu³⁺-doped and Eu³⁺/Cr³⁺-co-doped variants. *Scientific Reports*, 14(1), 14770.
- Anugrah, A. W., Triyono, D., & Laysandra, H. (2019, March). Study of LaFe_{1-x}MnxO₃ (x= 0.05, 0.1, 0.15, 0.2) perovskite materials by impedance spectroscopy. In *IOP Conference Series: Materials Science and Engineering* (Vol. 496, No. 1, p. 012033). IOP Publishing.
- Bain, A. K., & Chand, P. (2022). *Pyroelectric materials: physics and applications*. John Wiley & Sons.
- Beladona, S. U. M., Purwanto, F., Simanjuntak, E. R., Simarmata, S. N., Kumalasari, M. R., & Iqbal, R. M. (2022). Sifat Perovskit sebagai Material Elektroda untuk Baterai Lithium-Ion (LIB). *Bohr: Jurnal Cendekia Kimia*, 1(01), 13-21.
- Berezhnaya, M. V., Perov, N. S., Almjasheva, O. V., Mittova, V. O., Nguyen, A.

- T., Mittova, I. Y., ... & Alekhina, Y. A. (2019). Synthesis and magnetic properties of barium-doped nanocrystal lanthanum orthoferrite. *Russian Journal of General Chemistry*, 89, 480-485.
- Bhat, I., Husain, S., Khan, W., & Patil, S. I. (2013). Effect of Zn doping on structural, magnetic and dielectric properties of LaFeO₃ synthesized through sol-gel auto-combustion process. *Materials Research Bulletin*, 48(11), 4506-4512.
- Bokov, D., Turki Jalil, A., Chupradit, S., Suksatan, W., Javed Ansari, M., Shewael, I. H., ... & Kianfar, E. (2021). Nanomaterial by sol-gel method: synthesis and application. *Advances in materials science and engineering*, 2021(1), 5102014.
- Budianto, A., Rubi'ah, S., Kurniawidi, D. W., Alaydrus, A. T., & Rahayu, S. (2025). SINTESIS PEROVSKITE (CaTiO₃) DARI LIMBAH CANGKANG KERANG MUTIARA (Pinctada maxima): SOLUSI RAMAH LINGKUNGAN UNTUK TEKNOLOGI SEMIKONDUKTOR. *Jukung (Jurnal Teknik Lingkungan)*, 11(1).
- Bunaciu, A. A., UdriŞTioiu, E. G., & Aboul-Enein, H. Y. (2015). X-ray diffraction: instrumentation and applications. *Critical reviews in analytical chemistry*, 45(4), 289-299.
- Chen, Y., Zhang, L., Zhang, Y., Gao, H., & Yan, H. (2018). Large-area perovskite solar cells—a review of recent progress and issues. *RSC advances*, 8(19), 10489-10508.
- Cifriadi, A., Holil, B., & Riyadi, M. A. (2018). Karakteristik Film Polisulfon Sebagai Bahan Dielektrik Sensor Kelembaban Jenis Kapasitif. *Jurnal Sains Materi Indonesia*, 6(3), 61-65.
- Çoban Özkan, D., Türk, A., & Celik, E. (2020). Synthesis and characterizations of sol-gel derived LaFeO₃ perovskite powders. *Journal of Materials Science: Materials in Electronics*, 31, 22789-22809.
- Coutinho, P. V., Cunha, F., & Barrozo, P. (2017). Structural, vibrational and magnetic properties of the orthoferrites LaFeO₃ and YFeO₃: A comparative study. *Solid State Communications*, 252, 59-63.
- Dewi, R., Manalu, W. A., Asrinaldo, B. N., Rini, A. S., & Yanuar, Y. (2023). CHARACTERIZATION OF ENERGY BAND GAP THIN FILM BaTiO₃-BaZrO₅TiO₅O₃ USING DIFFUSION REFLECTANCE SPECTROSCOPY (DRS) METHOD. *Spektra: Jurnal Fisika dan Aplikasinya*, 8(1), 17-24.
- Didik, L. A. (2020). Penentuan ukuran butir kristal CuCrO₂, NiO, O₂O₂ dengan

- menggunakan x-ray difraction (XRD) dan scanning electron microscope (SEM). *Indonesian Physical Review*, 3(1), 6-14.
- Díez-García, M. I., & Gómez, R. (2017). Metal doping to enhance the photoelectrochemical behavior of LaFeO₃ photocathodes. *ChemSusChem*, 10(11), 2457-2463.
- Domínguez-Crespo, M. A., Torres-Huerta, A. M., Brachetti-Sibaja, S. B., Rodríguez-Salazar, A. E., Gutiérrez-Galicia, F., Ramírez-Meneses, E., & Licona-Aguilar, Á. I. (2024). Developing ABO₃ perovskites synthesized by the Pechini method for their potential application as cathode material in solid oxide fuel cells: Structural and electrical properties. *Boletín de la Sociedad Española de Cerámica y Vidrio*, 63(2), 145-158.
- Dwimivanusa, R. R. H., Triyono, D., & Abdillah, M. N. (2021, February). Crystallographic and optical bandgap study of LaFe_{1-x}Mg_xO₃ ($x= 0.01$ and 0.05) nanoparticle. In *Journal of Physics: Conference Series* (Vol. 1816, No. 1, p. 012065). IOP Publishing.
- Elfianuari, P. (2017). Sifat dan aplikasi perovskit CaTiO₃ sebagai pengantar ion oksigen. *Jurnal Department of Chemistry*, Institut Teknologi Sepuluh Nopember, 1-5.
- Elhamel, M., Hebboul, Z., Benbertal, D., Botella, P., & Errandonea, D. (2024). Synthesis, Structural Characterization, and Infrared Analysis of Double Perovskites Pr₂NiMnO₆, Gd₂NiMnO₆, and Er₂NiMnO₆ Functional Nano-Ceramics. *Nanomaterials*, 14(11), 960.
- Guan, C., & Huang, H. (2016). Complexing Agents on Carbon Content and Lithium Storage Capacity of LiFePO₄/C Cathode Synthesized via Sol-Gel Approach. *Advances in Materials Science and Engineering*, 2016(1), 7213916.
- Hanifah, U., & Triyono, D. (2020, June). Dielectric properties enhancement of Mg-doped LaFeO₃ perovskite materials at room temperature. In *AIP Conference Proceedings* (Vol. 2242, No. 1). AIP Publishing.
- Huang, L., Cheng, L., Pan, S., He, Y., Tian, C., Yu, J., & Zhou, H. (2020). Effects of Sr doping on the structure, magnetic properties and microwave absorption properties of LaFeO₃ nanoparticles. *Ceramics International*, 46(17), 27352-27361.
- Ilham, F., Triyono, D., & Abdillah, M. N. (2021, February). Room temperature electrical impedance analysis of LaFe_{1-x} Mg_xO₃ ($x= 0.01$ and 0.05) ceramics. In *Journal of Physics: Conference Series* (Vol. 1816, No. 1, p. 012059). IOP Publishing.

- Jamaludin, A., & Adiantoro, D. (2014). Analisis kerusakan X-ray fluoresence (XRF). *PIN Pengelolaan Instalasi Nuklir*, (9-10).
- Jeong, J. H., Song, C. G., Kim, K. H., Sigmund, W., & Yoon, J. W. (2018). Effect of Mn doping on particulate size and magnetic properties of LaFeO₃ nanofiber synthesized by electrospinning. *Journal of Alloys and Compounds*, 749, 599-604.
- Jufri, D. Y., Triyono, D., & Laysandra, H. (2019, March). High-temperature electrical properties of LaFe_{1-x}Ti_xO₃ ($x=0.4, 0.5, 0.6$). In *IOP Conference Series: Materials Science and Engineering* (Vol. 496, No. 1, p. 012026). IOP Publishing.
- Kaewpanha, M., Suriwong, T., Wamae, W., & Nunocha, P. (2019, September). Synthesis and Characterization of Sr-doped LaFeO₃ perovskite by sol-gel auto-combustion method. In *Journal of Physics: Conference Series* (Vol. 1259, No. 1, p. 012017). IOP Publishing.
- Kano, S., & Mekaru, H. (2020). Nonporous inorganic nanoparticle-based humidity sensor: evaluation of humidity hysteresis and response time. *Sensors*, 20(14), 3858.
- Khan, H., Yerramilli, A. S., D'Oliveira, A., Alford, T. L., Boffito, D. C., & Patience, G. S. (2020). Experimental methods in chemical engineering: X-ray diffraction spectroscopy—XRD. *The Canadian journal of chemical engineering*, 98(6), 1255-1266.
- Khetre, S. M., Jadhav, H. V., Jagadale, P. N., Kulal, S. R., & Bamane, S. R. (2011). Studies on electrical and dielectric properties of LaFeO₃. *Adv. Appl. Sci. Res*, 2(4), 503-511.
- Kriswarini, R., Anggraini, D., & Djamarudin, A. (2010). Validasi metoda xrf (x-ray fluorescence) secara tunggal dan simultan untuk analisis unsur Mg, Mn dan Fe dalam paduan aluminum. In *Seminar Nasional VI SDM Teknologi Nuklir* (pp. 273-278).
- Kumar, L. S., Shantha, V., Naik, C., Drakshayani, D. N., Kataraki, P. S., Janvekar, A. A., & Ishak, A. (2020, December). Synthesis of calcite-zincite nano composite materials using sol-gel auto combustion method. In *IOP Conference Series: Materials Science and Engineering* (Vol. 1003, No. 1, p. 012132). IOP Publishing.
- Kumar, V., & Singh, S. (2018). Optical and magnetic properties of (1-x) BiFeO₃-xCaTiO₃ nanoparticles. *Journal of Alloys and Compounds*, 732, 350-357.

- Lazanas, A. C., & Prodromidis, M. I. (2023). Electrochemical impedance spectroscopy—a tutorial. *ACS Measurement Science Au*, 3(3), 162-193.
- Li Jia-Ke, Liu Xin, Hung Li-Qun, Wang Yan-Xiang. (2015). LaFe_{1-x}Mg_xO₃ Ultrafine Powders Synthesized by Solution Combustion and Its Photocatalytic Performances. *Journal of Inorganic Materials*, 30, 1223-7.
- Lin, Q., Xu, J., Yang, F., Yang, X., & He, Y. (2018). The influence of Ca substitution on LaFeO₃ nanoparticles in terms of structural and magnetic properties. *Journal of Applied Biomaterials & Functional Materials*, 16(1_suppl), 17-25.
- Listiorini, L., Fahyuan, H. D., & Ngatijo, N. (2018). Pengaruh Doping Al Terhadap Band Gap Energy Lapisan Tipis ZnO. *JURNAL ONLINE OF PHYSICS*, 4(1), 24-29.
- Liu, M. Q., Wang, C., & Kim, N. Y. (2017). High-sensitivity and low-hysteresis porous MIM-type capacitive humidity sensor using functional polymer mixed with TiO₂ microparticles. *Sensors*, 17(2), 284.
- Liu, Q., You, Z., Zeng, S. J., & Guo, H. (2016). Infrared properties of Mg-doped LaFeO₃ prepared by sol-gel method. *Journal of Sol-Gel Science and Technology*, 80, 860-866.
- Liu, X., Cheng, B., Hu, J., Qin, H., & Jiang, M. (2008). Semiconducting gas sensor for ethanol based on LaMgxFe1-xO₃ nanocrystals. *Sensors and Actuators B: Chemical*, 129(1), 53-58.
- Liza, Y. M., Yasin, R. C., Maidani, S. S., & Zainul, R. (2018). *Sol Gel: Principle And Technique (A Review)*.
- Lvovich, V. F. (2012). *Impedance spectroscopy: applications to electrochemical and dielectric phenomena*. John Wiley & Sons.
- Malik, Y. (2023). Akurasi dan Presisi Analisis Kadar Nikel (Ni) pada Sampel Nikel Laterit Menggunakan X-Ray Fluorescence Spectrometry (XRF). *Sains: Jurnal Kimia dan Pendidikan Kimia*, 12(2), 87-94.
- Manzoor, S., & Husain, S. (2018). Influence of Zn doping on structural, optical and dielectric properties of LaFeO₃. *Materials Research Express*, 5(5), 055009.
- Msiren, N. M. F. I., Hartiningsih, N. E., & Meak, N. K. K. W. (2024). Studi Keterdapatannya Unsur Logam di Daerah Kampung Nafri, Distrik Abepura, Kota Jayapura, Papua. *Manufaktur*, 2(4), 29–39.

- Mukminin, A. (2019). Analisis komposisi fasa dan parameter unit sel kristal hasil kalsinasi suhu tinggi abu cangkang (Paguroidea) dengan metode rietveld. *JST (Jurnal Sains Terapan)*, 5(1), 44-48.
- Naibaho, M., Widakdo, J., Kurniawan, B., Nehan, P. Z. Z., & Vitayaya, O. (2024). Analysis of Structure, Morphology, Magnetic Properties, and Microwave Absorption of Lanthanum Orthoferrite (LaFeO₃). *Science and Technology Indonesia*, 9(4).
- Navas, D., Fuentes, S., Castro-Alvarez, A., & Chavez-Angel, E. (2021). Review on sol-gel synthesis of perovskite and oxide nanomaterials. *Gels*, 7(4), 275.
- Phokha, S., Hunpratup, S., Pinitsoontorn, S., Putasaeng, B., Rujirawat, S., & Maensiri, S. (2015). Structure, magnetic, and dielectric properties of Ti-doped LaFeO₃ ceramics synthesized by polymer pyrolysis method. *Materials Research Bulletin*, 67, 118-125.
- Poljacek, S. M., Risovic, D., Cigula, T., & Gojo, M. (2012). Application of electrochemical impedance spectroscopy in characterization of structural changes of printing plates. *Journal of solid state electrochemistry*, 16(3), 1077-1089.
- Purnamasari, I. (2021). Analisis Sifat Struktur dan Sifat Listrik pada Material Perovskite LaFe0. 97Zr0. 03O₃: XRD, Raman Scattering, SEM dan Impedansi Spectroskopi. *Jurnal Konstruksi*, 19(1), 231-240.
- Pushpa, R., Daniel, D., & Butt, D. P. (2013). Electronic properties of Ca doped LaFeO₃: A first-principles study. *Solid State Ionics*, 249, 184-190.
- Putra, R. H. S. (2018). Karakteristik Pada Logam Baja Paduan dengan Menggunakan Metoda X-Ray Fluorescence (XRF) dan Optical Emission Spectroscopy (OES). *Universitas Negeri Yogyakarta*, 134.
- Rai, A., & Thakur, A. K. (2017). Tunability of dielectric, optical and magnetic property by simultaneous co-substitution in LaFeO₃. *Materials Science and Engineering: B*, 224, 139-149.
- Razak, K. A., Halin, D. C., Abdullah, M. M. A., Salleh, M. M., Mahmed, N., Azani, A., & Chobpattana, V. (2022). Factors of controlling the formation of titanium dioxide (TiO₂) synthesized using sol-gel method—A short review. In *Journal of Physics: Conference Series* (Vol. 2169, No. 1, p. 012018). IOP Publishing.
- Regiana, R., Triyono, D., & Fajriyani, F. (2021, July). Effect of zinc doping on the electrical properties of LaFeO₃ perovskite. In *AIP Conference Proceedings* (Vol. 2374, No. 1). AIP Publishing.

- Riyanto, A. (2014). Superkapasitor sebagai piranti penyimpan energi listrik masa depan. *Jurnal Ilmiah Pendidikan Fisika Al-Biruni*, 3(2), 56-63.
- Rong, S. S., Faheem, M. B., & Li, Y. B. (2021). Perovskite single crystals: Synthesis, properties, and applications. *Journal of Electronic Science and Technology*, 19(2), 100081.
- Sabeni, A., Fahdiran, R., & Sugihartono, I. (2022, January). REVIEW METODE PSEUDOPOTENSIAL UNTUK ANALISIS BAND GAP SEMIKONDUKTOR. In *PROSIDING SEMINAR NASIONAL FISIKA (E-JOURNAL)* (Vol. 10).
- SAFINA, T. K. (2024). *SINTESIS MATERIAL PEROVSKITE LaFe_{1-x}Zn_xO₃ (x= 0.0, dan 0.1) MENGGUNAKAN METODE SOL-GEL: ANALISIS STRUKTUR DAN SIFAT DIELEKTRIK*. Universitas Negeri Jakarta.
- Sahdiah, H., & Kurniawan, R. (2023). Optimasi Tegangan Akselerasi pada Scanning Electron Microscope–Energy Dispersive X-Ray Spectroscopy (SEM-EDX) untuk Pengamatan Morfologi Sampel Biologi. *Jurnal Sains dan Edukasi Sains*, 6(2), 117-123.
- Sanjiwani, N. M. S., Paramitha, D. A. I., Wibawa, A. A. C., Ariawan, I. M. D., Megawati, F., Dewi, N. W. T., ... & Sudarsa, I. W. (2020). Pembuatan hair tonic berbahan dasar lidah buaya dan analisis dengan Fourier transform infrared. *Widyadari: Jurnal Pendidikan*, 21(1).
- Sarkar, P., Srivastava, A., Tripathy, S. K., Baishnab, K. L., Lenka, T. R., Menon, P. S., ... & Aberle, A. G. (2021). Exploring the effect of Ga 3+ doping on structural, electronic and optical properties of CH 3 NH 3 PbCl 3 perovskites: an experimental study. *Journal of Materials Science: Materials in Electronics*, 32, 12841-12855.
- Sasikala, C., Durairaj, N., Baskaran, I., Sathyaseelan, B., Henini, M., & Manikandan, E. (2017). Transition metal titanium (Ti) doped LaFeO₃ nanoparticles for enhanced optical structural and magnetic properties. *Journal of Alloys and Compounds*, 712, 870-877.
- Sembiring, T., Dayana, I., & Rianna, M. (2019). *Alat Pengujii Material*. Guepedia.
- Septiano, A. F., Susilo, S., & Setyaningsih, N. E. (2021). Analisis Citra Hasil Scanning Electron Microscopy Energy Dispersive X-Ray (SEM EDX) Komposit Resin Timbal dengan Metode Contrast to Noise Ratio (CNR). *Indonesian Journal of Mathematics and Natural Sciences*, 44(2), 81-85.

- Septyaningrum, L., Rahmawati, R., Mustalifah, F. R., Rahma, A., Sari, D. P., & Elma, M. (2020). Preparation of an Organosilica-Based Membrane From Teos-Mtes and Its Application For Desalination of Wetland Saline Water. *Konversi*, 9(2).
- Serway, R., & Jewett, J. (2006). *Principles of physics: a calculus-based text*.
- Sfirloaga, P., Poienar, M., Malaescu, I., Lungu, A., & Vlazan, P. (2018). Perovskite type lanthanum manganite: Morpho-structural analysis and electrical investigations. *Journal of Rare Earths*, 36(5), 499-504.
- Simbolon, T. R., Hamid, M., Rianna, M., Pratama, Y., Sembiring, T., Ginting, J., ... & Sebayang, P. (2022). Characteristic of microstructure and magnetic properties in LaFeO₃ using co-precipitation method. *Journal of Aceh Physics Society*, 11(2), 49-51.
- Spinner, N. (2019). EIS Data Plotting Plotting Conventions - Nyquist Plots. In *PINE research*. PINE research.
- Taylor, F. H. (2019). *LaFeO₃ as a base material for cathode applications in intermediate temperature solid oxide fuel cells*. University College London.
- Toygun, S., Köneçoğlu, G., & Kalpaklı, Y. (2013). General principles of sol-gel. *Sigma Journal of Engineering and Natural Sciences*, 31(4), 456-476.
- Trabelsi, I., Harizi, A., & Kanzari, M. (2017). Complex impedance spectroscopy of Sn₄Sb₆S₁₃ thin films deposited by thermal vacuum evaporation. *Thin Solid Films*, 631, 161-171.
- Trisudarmo, R., Prinandi, I., Andara, A. S., Wibowo, M. F. T., & Fauzah, R. R. (2024). Sensor Suhu Dan Kelembapan Ruangan Berbasis Arduino Uno. *Jurnal Imagine*, 4(2), 104-108.
- Triyono, D., Hanifah, U., & Laysandra, H. (2020). Structural and optical properties of Mg-substituted LaFeO₃ nanoparticles prepared by a sol-gel method. *Results in Physics*, 16, 102995.
- Triyono, D., Kafa, C. A., & Laysandra, H. (2018). Effect of Sr-substitution on the structural and dielectric properties of LaFeO₃ perovskite materials. *Journal of Advanced Dielectrics*, 8(05), 1850036.
- Triyono, D., Laysandra, H., & Liu, H. L. (2019). Structural, optical, and dielectric studies of LaFe_{1-x}Mo_xO₃ ($x = 0.0, 0.5$) perovskite materials. *Journal of Materials Science: Materials in Electronics*, 30, 2512-2522.
- Utami, R. W., Rafsanjani, R. A., & Triyono, D. (2019, February). Optical

- properties of La_{0.9}Sr_{0.1}Fe_{1-x}Mo_xO₃ ($x = 0.1, 0.2$, and 0.3) perovskite material prepared by sol-gel method. In *Journal of Physics: Conference Series* (Vol. 1153, No. 1, p. 012072). IOP Publishing.
- Utami, R. W., & Triyono, D. (2020, June). Impedance analysis of magnesium substituted lanthanum in LaFeO₃ perovskite. In *AIP Conference Proceedings* (Vol. 2242, No. 1). AIP Publishing.
- Verma, A. K., & Mahato, D. K. (2022). Structural and FTIR Analysis of SrCoO₃ Perovskite Ceramics. *IOSR J. Appl. Phys.*, 14, 25-28.
- Verma, G., & Mishra, M. (2018). Development and optimization of UV-Vis spectroscopy-a review. *World J. Pharm. Res.*, 7(11), 1170-1180.
- Viswanathan, B., Suryakumar, V., Venugopal, B., Roshna, S. H., & Hariprasad, N. (2023). *Perovskite Materials-an Introduction*. National Centre for Catalysis Research Internal.
- Wang, S., Zhang, J., Gharbi, O., Vivier, V., Gao, M., & Orazem, M. E. (2021). Electrochemical impedance spectroscopy. *Nature Reviews Methods Primers*, 1(1), 41.
- Widodo, C. S., Sela, H., & Santosa, D. R. (2018, October). The effect of NaCl concentration on the ionic NaCl solutions electrical impedance value using electrochemical impedance spectroscopy methods. In *AIP Conference Proceedings* (Vol. 2021, No. 1, p. 050003). AIP Publishing LLC.
- Xia, J., Wang, X., Wang, X., Majer-Baranyi, K., & Zhang, X. (2022). Hysteresis dynamic modeling and analysis of flexible nano silver-polyvinyl alcohol humidity sensor based on the microscopic process and Langmuir-Fick theory. *ACS omega*, 7(17), 14994-15004.
- Yadav, A. K. (2024). Synthesis, Characterization and Humidity Sensing Application of Perovskite LaFeO₃. *Advanced Materials Letters*, 15(4), 2404-1765.
- Ye, C. Q. (2018). Sol-gel processes of functional powders and films. *Chemical reactions in inorganic chemistry*, 31-50.
- Yin, X. T., Huang, H., Xie, J. L., Dastan, D., Li, J., Liu, Y., ... & Ma, X. G. (2022). High-performance visible-light active Sr-doped porous LaFeO₃ semiconductor prepared via sol-gel method. *Green Chemistry Letters and Reviews*, 15(3), 546-556.
- Yudharma, G., & Wibowo, B. A. (2024). Karakterisasi Lapisan Tipis Material Magnetik Perovskite Untuk Menentukan Nilai Permitivitas dan

Permeabilitasnya. *JUS TEKNO (Jurnal Sains dan Teknologi)*, 8(1), 26-32.

Yunita, Y., Hanifah, U., & Triyono, D. (2021, July). High magnesium substitution effect on the structural properties of LaFe_{1-x}MgxO₃ ($x= 0.4$ and 0.5) perovskite material. In *AIP Conference Proceedings* (Vol. 2374, No. 1). AIP Publishing.

