

DAFTAR PUSTAKA

- Ahmed, Y., Paul, A., Hribar Boštjančič, P., Mertelj, A., Lisjak, D., & Zabek, D. (2023). Synthesis of barium hexaferrite nano-platelets for ethylene glycol ferrofluids. *Journal of Materials Chemistry C*, 11(45), 16066–16073. <https://doi.org/10.1039/d3tc03833e>
- Al-Rabi, M., Tjahjono, A., & Saptari, S. A. (2020). Analisis Fasa, Struktur Kristal dan Sifat Kemagnetan Material Komposit Berbasis Nd_{0,6}Sr_{0,4}MnO₃ / Fe₂O₃. *Al-Fiziya: Journal of Materials Science, Geophysics, Instrumentation and Theoretical Physics*, 3(2), 114–122. <https://doi.org/10.15408/fiziya.v3i2.17638>
- Alfian Ma'arif, A., Muhammad, R., Setiabudi, B., & Nurdiana, A. (2024). Pemanfaatan serabut kelapa dan abu ampas tebu sebagai substitusi fiberglass dan semen pada pembuatan GRC board. 7(1), 27–32.
- Ali, K. S. A., Ravikumar, M. M., Mohammed, J., Farouk, N., Mohanavel, V., & Ravichandran, M. (2021). Investigation of Ku band microwave absorption of three-layer BaFe₁₂O₁₉, carbon-fiber@Fe₃O₄, and graphene@BaFe₁₂O₁₉@Fe₃O₄ composite. *Journal of Alloys and Compounds*, 884, 161045. <https://doi.org/10.1016/j.jallcom.2021.161045>
- Ardy, R., Maryani, D., & Lisantono, A. (2023). PEMANFAATAN SERAT SERABUT KELAPA DENGAN PERLAKUAN ALKALI TERHADAP SIFAT MEKANIK BETON. November, 16–17.
- Arundina, R. Y., Permana, I., Togatorop, E. R. S., Ismadi, I., Kusumah, S. S., Budiman, I., Subyakto, S., & Marlina, R. (2021). Synthesis and Characterization of Activated Carbon from Lignocellulosic Biomass: Oil Palm Empty Fruit Bunches and Mahogany Sawdust. *Jurnal Bahan Alam Terbarukan*, 10(2), 81–88. <https://doi.org/10.15294/jbat.v10i2.33488>
- Ergun, M. E., Özlüsoylu, İ., İstek, A., & Can, A. (2023). Analysis and Impact of Activated Carbon Incorporation into Urea-Formaldehyde Adhesive on the Properties of Particleboard. *Coatings*, 13(9). <https://doi.org/10.3390/coatings13091476>
- Feng, G., Zhou, W., Wang, C. H., Qing, Y., Chen, D., Gao, L., Luo, F., & Zhu, D. (2019). Microwave absorption of M-type hexaferrite Ba_{1-x}Ca_xFe₁₂O₁₉ (x ≤ 0.4) ceramics in 2.6–18 GHz. *Ceramics International*, 45(6), 7102–7107. <https://doi.org/10.1016/j.ceramint.2018.12.214>

- Ghzaïel, T. Ben, Dhaoui, W., Schoenstein, F., Talbot, P., & Mazaleyrat, F. (2017). Substitution effect of Me = Al, Bi, Cr and Mn to the microwave properties of polyaniline/BaMeFe₁₁O₁₉ for absorbing electromagnetic waves. *Journal of Alloys and Compounds*, 692, 774–786. <https://doi.org/10.1016/j.jallcom.2016.09.075>
- Goel, S., Garg, A., Baskey, H. B., Pandey, M. K., & Tyagi, S. (2021). Studies on dielectric and magnetic properties of barium hexaferrite and bio-waste derived activated carbon composites for X-band microwave absorption. *Journal of Alloys and Compounds*, 875, 160028. <https://doi.org/10.1016/j.jallcom.2021.160028>
- Handoko, E., Budi, S., Sugihartono, I., & Marpaung, M. A. (2020). Microwave absorption performance of barium hexaferrite multi-nanolayers. *American Scientific Publishers*, 10(8), 1328–1336. <https://doi.org/10.1166/mex.2020.1811>
- Hasanah, I., Rohman, L., & Supriyanto, E. (2020). Kurva histeresis bahan feromagnetik Co_{0.8}Pt_{0.2} pada tiga daerah domain. *Jurnal Pendidikan Fisika Dan Keilmuan (JPFK)*, 6(1), 47. <https://doi.org/10.25273/jpfk.v6i1.5236>
- Husain, Taryana, Y., Adi Ari, W., Nurhayati, Saleh, M., & Dewi, N. (2024). Analisis X-Ray Fluorescence Dan X-Ray Diffraction Mineral Pasir Dan Batu Besi Indonesia Sebagai Material Magnetik. *Jurnal Sains Dan Pendidikan Fisika (JSPF) Jilid*, 20(1), 105–110. <http://ojs.unm.ac.id/jsdpf>
- Ihda Khaira, A., & Usna, S. R. A. (2022). Sintesis dan karakterisasi sifat magnet nanokomposit Fe₃O₄@PEG:ZnO. *Jurnal Fisika Unand (JFU)*, 01(01), 1–6.
- Juradi, M. I., Umar, E. P., . A., Nurhawaisyah, S. R., Bakri, S., & Arifin, M. (2022). Pengaruh Ukuran Partikel Pada Proses Peningkatan Kadar Dan Perolehan Bijih Besi Bontocani Menggunakan Dry Intensity Drum Magnetic Separator. *Jurnal Pertambangan*, 5(4), 153–157. <https://doi.org/10.36706/jp.v5i4.328>
- Karakoç, G., KESKİN, F., DEMİRCİ, Ç. E., & AKTÜRK*, S. (2023). THE EFFECT OF PRE-WASHING PROCESS WITH NaOH SOLUTION ON THE SURFACE AREA IN ACTIVATED CARBON PRODUCTION. *Journal of Engineering Science*, 6(2), 74–82.
- Lawtae, P., Nagaishi, S., Tangsathitkulchai, C., Iwamura, S., & Mukai, S. R. (2023). Improving porous properties of activated carbon from carbon gel by the OTA method. *RSC Advances*, 13(21), 14065–14077. <https://doi.org/10.1039/d3ra01647a>

- Lawtae, P., & Tangsathitkulchai, C. (2021). The use of high surface area mesoporous-activated carbon from longan seed biomass for increasing capacity and kinetics of methylene blue adsorption from aqueous solution. *Molecules*, 26(21). <https://doi.org/10.3390/molecules26216521>
- Liu, Y., Tai, R., Drew, M. G. B., & Liu, Y. (2017). Preparation and characterizations of active carbon/barium ferrite/polypyrrole composites. *Journal of Materials Science: Materials in Electronics*, 28(9), 6448–6455. <https://doi.org/10.1007/s10854-017-6330-y>
- Lou, L., Li, Y., Li, X., Li, H., Li, W., Hua, Y., Xia, W., Zhao, Z., Zhang, H., Yue, M., & Zhang, X. (2021). Directional Magnetization Reversal Enables Ultrahigh Energy Density in Gradient Nanostructures. *Advanced Materials*, 33(36), 1–10. <https://doi.org/10.1002/adma.202102800>
- Lu, C. W., Hung, F. Y., Chang, T. W., & Hsieh, H. Y. (2024). Study and Application on the Electromagnetic Stainless Steel: Microstructure, Tensile Mechanical Behavior, and Magnetic Properties. *Materials*, 17(12). <https://doi.org/10.3390/ma17122998>
- Makhdoom, A. R., Ranjha, Q. A., Ghori, U.-R., Raza, M. A., Raza, B., Mazhar, M. E., Rao, K. A., Ahmed, F., Asif, S. U., & Khan, M. W. (2021). Structural and magnetic variations in Ba_{0.5}Sr_{0.5}Fe₉Ce₁Al₂O₁₉ hexaferrites at different sintering temperatures. *International Journal of Technology*, 96, 0–9. <https://iopscience.iop.org/article/10.1088/1402-4896/ac3d4f>
- Maslahat, M., Kamalia, E., & Arrisujaya, D. (2022). Sintesis Dan Karakterisasi Mikro Partikel Karbon Aktif Tandan Kosong Kelapa Sawit. *Analit: Analytical and Environmental Chemistry*, 7(02), 177. <https://doi.org/10.23960/aec.v7i02.2022.p177-188>
- Mukin, Y. D., & P, N. (2023). Simulasi Jaringan Smart Home dengan Sistem Berbasis IoT. *Jurnal Komunikasi, Sains Dan Teknologi*, 2(1), 159–168. <https://doi.org/10.61098/jkst.v2i1.34>
- Nikmanesh, H., Moradi, M., Bordbar, G. H., & Alam, R. S. (2016). Synthesis of multi-walled carbon nanotube/doped barium hexaferrite nanocomposites: An investigation of structural, magnetic and microwave absorption properties. *Ceramics International*, 42(13), 14342–14349. <https://doi.org/10.1016/j.ceramint.2016.05.089>
- Nilofer, P. (2023). Study of Barium Hexaferrite (BaFe₁₂O₁₉) Synthesised by Sol Gel Auto-Combustion Technique. *DEPT OF PHYSICS AND ASTRONOMY*, 412, 1–39.

Ningsih, R. S., Anda, P., & Irawati. (2021). ANALISIS SUSEPTIBILITAS MAGNETIK DAN KANDUNGAN LOGAM BERAT PADA TANAH PERKEBUNAN JAMBU METE DI KECAMATAN PURIALA KABUPATEN KONAWE. *Jurnal Rekayasa Geofisika Indonesia*, 03(02), 84–94.

Odom, T. W., & Schatz, G. C. (2011). Introduction to plasmonics. In *Chemical Reviews* (Vol. 111, Issue 6). <https://doi.org/10.1021/cr2001349>

Puspita, E., Melinia, L. A., Naibaho, M., Ramlan, R., & Ginting, M. (2022). Sintesis dan Karakterisasi Pasir Besi Sungai Musi Sumatera Selatan Menggunakan Metode Kopresipitasi. *Jurnal Penelitian Sains*, 24(3), 160. <https://doi.org/10.56064/jps.v24i3.717>

Rengaswamy, K., Anjali, M., Rengaswamy, J., Krishnamurthy, C. V., & Subramanian, V. (2024). Multilayer architected polymer nanostructure for microwave absorber-based EMI shielding. *AIP Advances*, 14(11). <https://doi.org/10.1063/5.0226614>

Rosdi, N., Azis, R. S., Ismail, I., Mokhtar, N., Muhammad Zulkimi, M. M., & Mustaffa, M. S. (2021). Structural, microstructural, magnetic and electromagnetic absorption properties of spiraled multiwalled carbon nanotubes/barium hexaferrite (MWCNTs/BaFe₁₂O₁₉) hybrid. *Scientific Reports*, 11(1), 1–14. <https://doi.org/10.1038/s41598-021-95332-9>

Sandoval, S. S., & Silva, N. (2023). Review on Generation and Characterization of Copper Particles and Copper Composites Prepared by Mechanical Milling on a Lab-Scale. *International Journal of Molecular Sciences*, 24(9). <https://doi.org/10.3390/ijms24097933>

Sezer, N., Ari, İ., Biçer, Y., & Koç, M. (2021). Superparamagnetic nanoarchitectures: Multimodal functionalities and applications. *Journal of Magnetism and Magnetic Materials*, 538(July). <https://doi.org/10.1016/j.jmmm.2021.168300>

Sharma, S., Patyal, V., Sudhakara, P., Singh, J., Petru, M., & Ilyas, R. A. (2021). Mechanical, morphological, and fracture-deformation behavior of MWCNTs-reinforced (Al-Cu-Mg-T351) alloy cast nanocomposites fabricated by optimized mechanical milling and powder metallurgy techniques. *Nanotechnology Reviews*, 11(1), 65–85. <https://doi.org/10.1515/ntrev-2022-0005>

Sherif El-Eskandarany, M., Al-Hazza, A., Al-Hajji, L. A., Ali, N., Al-Duweesh, A. A., Banyan, M., & Al-Ajmi, F. (2021). Mechanical milling: A superior nanotechnological tool for fabrication of nanocrystalline and nanocomposite materials. *Nanomaterials*, 11(10). <https://doi.org/10.3390/nano11102484>

- Simbolon, T. R., Hamid, M., Rianna, M., Pratama, Y., Sembiring, T., Ginting, J., Sebayang, A. M. S., Setiadi, E. A., Tetuko, A. P., & Sebayang, P. (2022). Characteristic of microstructure and magnetic properties in LaFeO₃ using co-precipitation method. *Journal of Aceh Physics Society*, 11(2), 49–51. <https://doi.org/10.24815/jacps.v11i2.23691>
- Sugiharta, S., Yuniarsih, N., & Ridwanuloh, D. (2021). Evaluasi Pemurnian Minyak Jelantah Menggunakan Carbon Active Resin Coated Powder Berdasarkan Kadar Asam Lemak Bebas. *Jurnal Buana Farma*, 1(2), 15–22. <https://doi.org/10.36805/jbf.v1i2.107>
- Sujita Sujita, & Rudy Sutanto. (2022). Study of mechanical and magnetic properties of magnet composite hybrid Fe₃O₄-NdFeB with matrix polyvinyl alcohol. *Global Journal of Engineering and Technology Advances*, 11(1), 072–077. <https://doi.org/10.30574/gjeta.2022.11.1.0068>
- Taheri, M. A., Payervand, F., Ahmadkhanlou, F., Torabi, S., & Semsarha, F. (2022). The Distinction of Taheri Consciousness Fields from Conventional Physical Fields: Evaluating the Magnetic Properties of Materials. *The Scientific Journal of Cosmointel*, 1(4), 8–19. <https://doi.org/10.61450/joci.v1i4.31>
- Tang, C., Guan, J., & Xie, S. (2020). Study on Reutilization of Pyrolytic Residues of Oily Sludge. *International Journal of Analytical Chemistry*, 2020, 1–7. <https://doi.org/10.1155/2020/8858022>
- Verma, G., & Ray, K. P. (2021). Design , Fabrication and Characteristics of Eco-Friendly Microwave Absorbing Materials : A Review Design , Fabrication and Characteristics of Eco-Friendly Microwave Absorbing Materials : A Review. *IETE Technical Review*, 0(0), 1–19. <https://doi.org/10.1080/02564602.2021.1927865>
- Wicaksono, A., Rohman, L., & Supriyanto, E. (2018). Studi Resonansi Feromagnetik BaFe₁₂O₁₉ Menggunakan Simulasi Mikromagnetik. *Berkala Sainstek*, 6(1), 46. <https://doi.org/10.19184/bst.v6i1.7771>
- Yah, N. F. N., Rahim, H. A., Soh, P. J., Abdulmalek, M., Ahmad, R. B., Jusoh, M., Seng, L. Y., Jamaluddin, M. H., & Yasin, M. N. M. (2020). Green Nanocomposite-Based Metamaterial Electromagnetic Absorbers: Potential, Current Developments and Future Perspectives. *IEEE Access*, 8, 33289–33304. <https://doi.org/10.1109/ACCESS.2020.2968867>
- Yustanti, E., Trenggono, A., & Manaf, A. (2020). Physical and microwave absorption characteristics of high powered ultrasonically irradiated crystalline BaFe₉Mn_{1.5}Ti_{1.5}O₁₉ particles. *International Journal of Technology*, 11(2), 310–321. <https://doi.org/10.14716/ijtech.v11i2.2988>

Zainuri, M., Triwikantoro, & Primadani, D. A. (2020). Absorption electromagnetic waves in x-band range using barium m-hexaferrite dopping zn ions and polyaniline conductive with variation of thickness coating. *Key Engineering Materials*, 860 KEM, 260–266. <https://doi.org/10.4028/www.scientific.net/KEM.860.260>

Zena, Y. G., Woldemariam, M. H., & Koricho, E. G. (2023). Nano-additives and their effects on the microwave absorptions and mechanical properties of the composite materials. *Manufacturing Review*, 10. <https://doi.org/10.1051/mfreview/2023004>

Zhu, X., Wang, X., Liu, K., Meng, M., & Niaz Akhtar, M. (2020). Microwave absorption characteristics of carbon foam decorated with BaFe₁₂O₁₉ and Ni_{0.5}Co_{0.5}Fe₂O₄ magnetic composite in X-band frequency. *Journal of Magnetism and Magnetic Materials*, 513(May), 167258. <https://doi.org/10.1016/j.jmmm.2020.167258>

