

## DAFTAR PUSTAKA

- Ahmad, A., Gondal, M. A., Hassan, M., Iqbal, R., Ullah, S., Alzahrani, A. S., Memon, W. A., Mabood, F., & Melhi, S. (2023). Preparation and Characterization of Physically Activated Carbon and Its Energetic Application for All-Solid-State Supercapacitors: A Case Study. *ACS Omega*, 8(24), 21653–21663. <https://doi.org/10.1021/acsomega.3c01065>
- Chairani, M., & Putra, A. (2024). Sintesis dan Karakterisasi Elektroda Superkapasitor Berbasis Karbon Aktif Limbah Kulit Nanas. *Jurnal Pendidikan Tambusai*, 8(2), 20044–20055.
- Cheng, B. H., Tian, K., Zeng, R. J., & Jiang, H. (2017). Preparation of high performance supercapacitor materials by fast pyrolysis of corn gluten meal waste. *Sustainable Energy and Fuels*, 1(4), 891–898. <https://doi.org/10.1039/c7se00029d>
- Cheng, J., Lu, Y., Sun, Y., Deng, S., Yang, H., Zhang, M., Wang, C., & Yan, J. (2025). Impact of Activation Conditions on the Electrochemical Performance of Rice Straw Biochar for Supercapacitor Electrodes. *Molecules*, 30(3). <https://doi.org/10.3390/molecules30030632>
- Elina, R., Cintya Rori, D., Ardi, & Khair, M. (2023). Karakterisasi FTIR pada Karbon Aktif Terimpregnasi ZnO. *Jurnal Pendidikan Tambusai*, 7(3), 23827–23831.
- Farma, R., Julita, R. I., Apriyani, I., Awitdrus, A., & Taer, E. (2023). ZnCl<sub>2</sub>-assisted synthesis of coffee bean bagasse-based activated carbon as a stable material for high-performance supercapacitors. *Materials Today: Proceedings*, 87, 25–31. <https://doi.org/10.1016/j.matpr.2023.01.370>
- Farma, R., Tania, Y., & Apriyani, I. (2023). Conversion of hazelnut seed shell biomass into porous activated carbon with KOH and CO<sub>2</sub> activation for supercapacitors. *Materials Today: Proceedings*, 87, 51–56. <https://doi.org/10.1016/j.matpr.2023.02.099>
- Hossen, K., & Kato-Noguchi, H. (2022). Evaluation of the Allelopathic Activity of *Albizia procera* (Roxb.) Benth. as a Potential Source of Bioherbicide to Control Weeds. *International Journal of Plant Biology*, 13(4), 523–534. <https://doi.org/10.3390/ijpb13040042>
- Mayasari, H. E., & Yuniari, A. (2016). Karakteristik termogravimetri dan kinetika dekomposisi EPDM dengan bahan pengisi carbon black. *Majalah Kulit, Karet*, 2), 125–134. <https://doi.org/10.20543/mkkp.v32i2.1591>
- , Aziz, M. A., Shah, S. S., Shaikh, M. N., Jamil, A. K., Qasem, ninu, I. A., & Yamani, Z. H. (2020). Effect of an activating agent chemical properties and supercapacitor performance of naturally and carbon derived from *Albizia procera* leaves. *Arabian Journal of Chemistry*, 13(7), 6161–6173. <https://doi.org/10.1016/j.arabjoc.2020.05.017>



- Nuradi, R. F., Muldarisnur, M., & Yetri, Y. (2022). Synthesis of Supercapacitor from Cocoa Fruit Peel Activated Carbon for Energy Storage. *JURNAL ILMU FISIKA*, 14(2), 86–94. <https://doi.org/10.25077/jif.14.2.86-94.2022>
- Nursyaputri, W. M., Fairuzy, Z. K., Khumairah, Z., Yanti, N., Nursyafni, N., Apriwandi, A., Taslim, R., & Taer, E. (2024). Novel colored biomass-waste from food industry sector derived hierarchical porous carbon nanofiber for robust symmetric supercapacitor. *Communications in Science and Technology*, 9(2), 411–420. <https://doi.org/10.21924/cst.9.2.2024.1534>
- Pertiwi, D., Yanti, N., & Taslim, R. (2022). High potential of yellow potato (*Solanum Tuberosum* L.) peel waste as porous carbon source for supercapacitor electrodes. *Journal of Physics: Conference Series*, 2193(1), 1–11. <https://doi.org/10.1088/1742-6596/2193/1/012019>
- Prayogatama, A., Nuryoto, & Kurniawan, T. (2022). Modifikasi Karbon Aktif dengan Aktivasi Kimia dan Fisika Menjadi Elektroda Superkapasitor. *Jurnal Sains Dan Teknologi*, 11(1), 47–58. <https://doi.org/10.23887/jst-undiksha.v11i1>
- Putri, H. N., Budi Nursanto, E., Floresyona, D., Ayoub, M., & Yusouf, M. H. M. (2023). Extraction of Flavonoid Content from Banana Peel (*Musa Paradisiaca* L.) by Ultrasound – Assisted Extraction Method and Its SPF Value. *Journal of Emerging Supply Chain, Clean Energy, and Process Engineering*, 2(2), 179–186. <https://doi.org/10.57102/jescee.v2i2.73>
- Reynol Tumimomor, F., & Christin Palilingan, S. (2018). Pemanfaatan karbon aktif dari sabut kelapa sebagai elektroda superkapasitor. *Fullerene Journ. Of Chem*, 3(1), 13–18.
- Reza, M., Ernawati, L., Dian Pusfitasari, M., Sylvia, N., Helida Noor, A., & Gregorius Ali, L. (2022). KARAKTERISASI KARBON AKTIF DARI KULIT PISANG KEPOK SEBAGAI SUPERKAPASITOR. *Jurnal Teknik Kimia*, 16(2), 53–60.
- Sahara, E., Sulihingtyas, W. D., & Mahardika, I. P. A. S. (2017). PEMBUATAN DAN KARAKTERISASI ARANG AKTIF DARI BATANG TANAMAN GUMITIR (*Tagetes erecta*) YANG DIAKTIVASI DENGAN H<sub>3</sub>PO<sub>4</sub>. *Jurnal Kimia*, 11(1), 1–9.
- Saputro, R. A., & Rangkuti, C. (2018). PENGARUH MOLARITAS LARUTAN CAIRAN ELEKTROLIT DAN ARUS LISTRIK TERHADAP GAS HHO YANG DIHASILKAN PADA GENERATOR HHO TIPE DRY CELL. In *Seminar Nasional Cendekiawan ke* (Vol. 4).



avitha, J. (2018). AN OVERVIEW ON BENEFITS OF ALBIZIA AR19D1027 (*International Journal of Research and Analytical* 224–230. [www.ijrar.org](http://www.ijrar.org)

, & Taer, E. (2024). Effect of Carbonization Temperature on the Electrochemical Properties of Carbon Electrodes from Kepayang

- Leaves (Pangium Edule Reinw) as Supercapacitor Cells. *Buletin Fisika*, 2, 220–228.
- Taer, E., Al Rifani, Z., & Taslim, R. (2018). PENGARUH TEMPERATUR AKTIVASI FISIKA TERHADAP KINERJA SUPERKAPASITOR BERBASIS ELEKTRODA KARBON DARI AMPAS SAGU. *Komunikasi Fisika Indonesia*, 15. <http://ejournal.unri.ac.id/index.php/JKFI>
- Taer, E., Apriwandi, Taslim, R., & Agustino. (2021). The effect of physical activation temperature on physical and electrochemical properties of carbon electrode made from jengkol shell (Pithecellobium jiringa) for supercapacitor application. *Materials Today: Proceedings*, 44, 3341–3345. <https://doi.org/10.1016/j.matpr.2020.11.644>
- Taer, E., Effendi, N. Y., Taslim, R., & Apriwandi, A. (2022). Interconnected micro-mesoporous carbon nanofiber derived from lemongrass for high symmetric supercapacitor performance. *Journal of Materials Research and Technology*, 19, 4721–4732. <https://doi.org/10.1016/j.jmrt.2022.06.167>
- Taer, E., Sukmawati, Apriwandi, A., & Taslim, R. (2023). 3D meso-macroporous carbon derived spruce leaf biomass for excellent electrochemical symmetrical supercapacitor. *Materials Today: Proceedings*, 87, 32–40. <https://doi.org/10.1016/j.matpr.2023.01.371>
- Taer, E., Yanti, N., Apriwandi, A., & Taslim, R. (2023). Novel bio-waste of Cinnamomum Verum leaves-derived carbon coin cylinder-like as sustainable electrode material for symmetrical supercapacitor. *Journal of Physics: Conference Series*, 2672(1). <https://doi.org/10.1088/1742-6596/2672/1/012012>
- Tetra, O. N., Aziz, H., Ibrahim, S., Alif, A., & Emriadi. (2018). REVIEW: SUPERKAPASITOR BERBAHAN DASAR KARBON AKTIF DAN LARUTAN IONIK SEBAGAI ELEKTROLIT. *Jurnal Zarah*, 6(1), 39–46. [ojs.umrah.ac.id/index.php/zarah](http://ojs.umrah.ac.id/index.php/zarah)
- Varma, A. K., Lal, N., Rathore, A. K., Katiyar, R., Thakur, L. S., Shankar, R., & Mondal, P. (2021). Thermal, kinetic and thermodynamic study for co-pyrolysis of pine needles and styrofoam using thermogravimetric analysis. *Energy*, 218. <https://doi.org/10.1016/j.energy.2020.119404>
- Wang, J., Zhang, Q., & Deng, M. (2022). Eco-Friendly Preparation of Biomass-Derived Porous Carbon and Its Electrochemical Properties. *ACS Omega*, 7(26), 22689–22697. <https://doi.org/10.1021/acsomega.2c02140>



, E., Abdurrahman, H., & Agung Kaharapen Jaya. (2021). KARBON AKTIF ECENG GONDOK (Eichornia crassipes) BERBASIS SUPERKAPASITOR H<sub>3</sub>PO<sub>4</sub>, ZnCl<sub>2</sub>, DAN KOH. *Prosiding Seminar Nasional dan Basah*, 6.