

## DAFTAR PUSTAKA

- Aspiazu-Méndez, A., Cisneros-Cárdenas, N. A., Pérez-Rábago, C., Pat-Espadas, A. M., Manzini-Poli, F., & Estrada, C. A. (2024). Analysis of the Solar Pyrolysis of a Walnut Shell: Insights into the Thermal Behavior of Biomaterials. *Energies*, *17*(6). <https://doi.org/10.3390/en17061435>
- Chipangura, W., Masauli, B., Mungwari, C. P., Nyamunda, B. C., Madziwa, T. N., Nyathi, L., Tom, H. T., & Chigondo, M. (2024). Fabrication of briquettes from charcoal fines using tannin formaldehyde resin as a binder. *European Journal of Sustainable Development Research*, *8*(1). <https://doi.org/10.29333/ejosdr/14125>
- Font, R., Villar, E., Garrido, M. A., Moreno, A. I., Gómez-Rico, M. F., & Ortuño, N. (2023). Study of the Briquetting Process of Walnut Shells for Pyrolysis and Combustion. *Applied Sciences*, *13*(10), 6285. <https://doi.org/10.3390/app13106285>
- Ghorbani, M., Khalilian, A. M., Dastoorian, F., & Shahmirzadi, A. N. (2024). Potential of Walnut Shell Flour as a Binder in Briquette Production from Industrial and Garden Wastes. *BioResources*, *19*(1). <https://doi.org/10.15376/biores.19.1.683-694>
- Guo, S., Liu, L., Zhao, D., Zhao, C., Li, X., & Li, G. (2023). Optimization of Briquette Fuels by Co-Torrefaction of Residual Biomass and Plastic Waste Using Response Surface Methodology. *Molecules*, *28*(6). <https://doi.org/10.3390/molecules28062568>
- Handayani, S. A., Widiati, K. Y., & Putri, F. (2023). Quality of Charcoal Briquettes from Sawdust Waste of Ulin (*Eusideroxylon zwageri*) and Coconut Shell (*Cocos nucifera*) Based on Variations in Ratio and Particle Size. *IOP Conference Series: Earth and Environmental Science*, *1282*(1). <https://doi.org/10.1088/1755-1315/1282/1/012049>
- Heya, M. N., Hernández, A. L. R., Pournavab, R. F., Ibarra, L. F. P., Díaz-Jiménez, L., Heya, M. S., Cruz, L. R. S., & Parra, A. C. (2022). Physicochemical Characteristics of Biofuel Briquettes Made from Pecan (*Carya illinoensis*) Pericarp Wastes of Different Particle Sizes. *Molecules* *2022*, Vol. 27, Page 1035, *27*(3), 1035. <https://doi.org/10.3390/MOLECULES27031035>
- Huda, A. A., Karyanik, K., Muliatiningsih, M., Fathoni, A., & Hakim, A. (2023). Effect of adhesive concentration and particle size on the quality of hazelnut shell briquettes with glutinous rice adhesive. *Jurnal Agrotek Ummat*, *10*(4). <https://doi.org/10.31764/jau.v10i4.19663>
- Hwangdee, P., Charee, S., Kheowkrai, W., Junsiri, C., & Laloon, K. (2022). Application of the Simplex-Centroid Mixture Design to Biomass Charcoal Powder Formulation Ratio for Biomass Charcoal Briquettes. *Sustainability (Switzerland)*, *14*(7). <https://doi.org/10.3390/su14073940>
- Kabaş, Ö., Ünal, İ., Sözer, S., Selvi, K. C., & Ungureanu, N. (2022). Quality Assessment of Biofuel Briquettes Obtained from Greenhouse Waste Using a Mobile Prototype Briquetting Machine with PTO Drive. *Energies*, *15*(22). <https://doi.org/10.3390/en15228371>

- Khan, A. U., Jan, Q. M. U., Abas, M., Muhammad, K., Ali, Q. M., & Zimon, D. (2023). Utilization of Biowaste for Sustainable Production of Coal Briquettes. *Energies*, 16(20). <https://doi.org/10.3390/en16207025>
- Liang, B., & Liu, X. (2023). Decoupling combustion characteristics of biomass pellets and their mixture with bituminous briquettes. *Environmental Technology and Innovation*, 32. <https://doi.org/10.1016/j.eti.2023.103275>
- Malovanyy, M., Vronska, N., Tymchuk, I., Zhuk, V., Moroz, O., & Chornomaz, N. (2023). The Use of Binders of Natural Origin to Improve the Technology of Creating Fuel Briquettes from Wood Waste. *Journal of Ecological Engineering*, 24(11), 314–320. <https://doi.org/10.12911/22998993/171901>
- Mumbach, G. D., Alves, J. L. F., da Silva, J. C. G., Domenico, M. Di, Arias, S., Pacheco, J. G. A., Marangoni, C., Machado, R. A. F., & Bolzan, A. (2022). Prospecting kemiri nutshell pyrolysis as a source of bioenergy and bio-based chemicals using multicomponent kinetic modeling, thermodynamic parameters estimation, and Py-GC/MS analysis. *Renewable and Sustainable Energy Reviews*, 153. <https://doi.org/10.1016/j.rser.2021.111753>
- Munadi, R., & Azizah, N. (2024). EFFECT OF ACTIVATED CHARCOAL KEMIRI SHELL (Aleurites moluccanus L. Willd) WITH VARIATIONS IN SULFURIC ACID CONCENTRATION ON DECREASED COD AND BOD LEVELS OF LAUNDRY LIQUID WASTE. *Jurnal Pendidikan Matematika Dan IPA*, 15(1). <https://doi.org/10.26418/jpmipa.v15i1.69666>
- Nagaprasad K S, Jayanth T K, Prajwal Kumar R, DhanushGowda M, Jeevan B S, & Rajesh Kumar Kodi. (2023). Characterization of Briquette Fuel Prepared from Corn Cub. *International Journal of Scientific Research in Science, Engineering and Technology*. <https://doi.org/10.32628/ijrsrset23103213>
- Naik, M.D., B.A. Fomda., E. Jaykumar., And Bhat. 2010. Antibacteria Activity Of Lemong ( Cymbopogon citratus ) Oil Against Some Selected Panthogenic Bacterias. *Asian Pasific Journal Of Tropical Medicine*. 535 -538.
- Nair, R. R., Schaate, A., Klepzig, L. F., Turcios, A. E., Lecinski, J., Shamsuyeva, M., Endres, H. J., Papenbrock, J., Behrens, P., & Weichgrebe, D. (2023). Physico-chemical characterization of walnut shell biochar from uncontrolled pyrolysis in a garden oven and surface modification by ex-situ chemical magnetization. *Clean Technologies and Environmental Policy*, 25(8). <https://doi.org/10.1007/s10098-023-02525-z>
- Ngangyo Heya, M., Romo Hernández, A. L., Foroughbakhch Pournavab, R., Ibarra Pintor, L. F., Díaz-Jiménez, L., Heya, M. S., Salas Cruz, L. R., & Carrillo Parra, A. (2022). Physicochemical Characteristics of Biofuel Briquettes Made from Kemiri (Carya illinoensis) Pericarp Wastes of Different Particle Sizes. *Molecules (Basel, Switzerland)*, 27(3). <https://doi.org/10.3390/molecules27031035>

- Nikiema, J., Asamoah, B., Egblewogbe, M. N. Y. H., Akomea-Agyin, J., Cofie, O. O., Hughes, A. F., Gebreyesus, G., Asiedu, K. Z., & Njenga, M. (2022). Impact of material composition and food waste decomposition on characteristics of fuel briquettes. *Resources, Conservation and Recycling Advances*, 15. <https://doi.org/10.1016/j.rcradv.2022.200095>
- Nikiforov, A., Kinzhibekova, A., Prikhodko, E., Karmanov, A., & Nurkina, S. (2023). Analysis of the Characteristics of Bio-Coal Briquettes from Agricultural and Coal Industry Waste. *Energies*, 16(8). <https://doi.org/10.3390/en16083527>
- Nugroho, D. P., Sari, N. M., & Satriadi, T. (2023). PENGARUH VARIASI CAMPURAN SERBUK ARANG ALABAN DAN ARANG TEMPURUNG KELAPA TERHADAP KUALITAS BRIKET ARANG. *Jurnal Sylva Scientiae*, 6(1), 42. <https://doi.org/10.20527/JSS.V6I1.8197>
- Obi, O. F., Pecenka, R., & Clifford, M. J. (2022). A Review of Biomass Briquette Binders and Quality Parameters. *Energies* 2022, Vol. 15, Page 2426, 15(7), 2426. <https://doi.org/10.3390/EN15072426>
- Okot, D. K., Bilsborrow, P. E., & Phan, A. N. (2019). Briquetting characteristics of bean straw-maize cob blend. *Biomass and Bioenergy*, 126. <https://doi.org/10.1016/j.biombioe.2019.05.009>
- Pang, L., Yang, Y., Wu, L., Wang, F., & Meng, H. (2019). Effect of particle sizes on the physical and mechanical properties of briquettes. *Energies*, 12(19). <https://doi.org/10.3390/en12193618>
- Qi, J., & Wu, J. (2023). Effects of Bio-Coal Briquette for Residential Combustion on Brown Carbon Emission Reduction. *Processes*, 11(6). <https://doi.org/10.3390/pr11061834>
- Setiawan, A., Nugraha, A., Cahyono, L., Nindyapuspa, A., Widiana, D. R., & Kusuma, S. A. (2023). The Study on Utilization of Agricultural Waste as an Alternative Fuel for Bio-briquettes. *International Journal of Progressive Sciences and Technologies*, 40(1). <https://doi.org/10.52155/ijpsat.v40.1.5540>
- Setter, C., Ataíde, C. H., Mendes, R. F., & de Oliveira, T. J. P. (2021). Influence of particle size on the physico-mechanical and energy properties of briquettes produced with coffee husks. *Environmental Science and Pollution Research*, 28(7). <https://doi.org/10.1007/s11356-020-11124-0>
- Sowndharya, G., & Praveena, V. (2023). Experimental Investigation on the Properties of Briquettes Made from Ideal Municipal Waste: An Alternate Fuel. *SAE Technical Papers*. <https://doi.org/10.4271/2023-28-0060>
- Wulandari, F., Wulandari, F. T., Lestari, D., Fahrussiam, F., Ningsih, R. V., & Raehnayati, R. (2024). KARAKTERISTIK SIFAT FISIKA BRIKET ARANG TEMPURUNG KELAPA DAN TONGKOL JAGUNG. *JURNAL HUTAN LESTARI*, 12(1), 49–62. <https://doi.org/10.26418/jhl.v12i1.70758>