

DAFTAR PUSTAKA

- [1] J. Yirijor and A. A. T. Bere, "Production and characterization of coconut shell charcoal-based bio-briquettes as an alternative energy source for rural communities," *Heliyon*, vol. 10, no. 16, p. e35717, 2024, doi: 10.1016/j.heliyon.2024.e35717.
- [2] R. C. Sondakh and H. Hayatudin, "Perbandingan Biomassa Pertanian Sebagai Energi Terbarukan Briket Arang," *J. Ilm. Giga*, vol. 25, no. 1, p. 45, 2022, doi: 10.47313/jig.v25i1.1720.
- [3] R. Z. Rahmana, "Karakteristik Briket dari Serbuk Gergaji Kayu Kelas II (Kayu Glugu) dan Tempurung Kelapa," pp. 1–99, 2023, URL :dspace.uui.ac.id/123456789/46809
- [4] N. P. Asrianti, F. Fahrudin, D. Rhakasywi, and B. Martana, "Analysis of Calorific Value of Biopellet Diameter Variations through Proximate Test," *J. La Multiapp*, vol. 5, no. 4, pp. 488–500, 2024, doi: 10.37899/journallamultiapp.v5i4.1516.
- [5] M. Fikri, A. Sunardi, and M. Zaenudin, "Analisis Perbandingan Komposisi Biobriket Berbahan Baku Tempurung Kelapa dan Kayu Rambutan dengan Perekat Pati Kanji dan Molase," *J. Crankshaft*, vol. 6, no. 3, pp. 59–67, 2024, doi: 10.24176/crankshaft.v6i3.11451.
- [6] Y. N. Irbah, T. H. Nufus, and N. Hidayati, "Analisis Nilai Kalori dan Laju Pembakaran Briket Campuran Cangkang Nyamplung dan Tempurung Kelapa," *Pros. Semin. Nas. Tek. Mesin Politek. Negeri Jakarta*, pp. 689–694, 2022, Retrieved from <https://prosiding.pnj.ac.id/index.php/sntm/article/view/96>
- [7] M. Agung, I. Iswara, A. Mustain, S. Febriana, and K. Hidayati, "Studi Literatur Karakteristik Briket Dengan," vol. 10, no. 9, pp. 56–69, 2024. <https://doi.org/10.33795/distilat.v10i1.4466>
- [8] N. A. Saputri and R. Laili, "Perbandingan Kualitas Briket dan Nilai Kalor Ditinjau dari Berbagai Bahan," vol. 22, no. April, 2025.
- [9] F. Y. P. Tyassena, S. Pertiwi, and F. Prasetya, "Pengaruh Variasi Jenis Perekat Terhadap Kualitas Briket Dari Kulit Rambutan," *J. Teknol. Kim. Miner.*, vol. 4, no. 1, pp. 15–22, 2025, doi: 10.61844/jtkm.v4i1.946.
- [10] D. Saputra, A. L. Siregar, and I. B. Rahardja, "Characteristics of Palm Oil

- Brickets using The Pyrolysis Method with Tapioca Flour Adhesive,” *J. Ilm. Rekayasa dan Inov.*, vol. 3, pp. 143–156, 2021. <http://journal.univpancasila.ac.id/index.php/asiimetrik/article/download/1973/1387>
- [11] Y. Arbi, E. Rahmatul Aidha, and L. Deflianti, “Analisis Nilai Kalori Briket Tempurung Kelapa Sebagai Bahan Bakar Alternatif di Kecamatan Sipora Utara Kabupaten Mentawai Sekolah Tinggi Teknologi Industri (STTIND) Padang,” *Pendidik. Teknol. Kejuru.*, vol. 1, no. 3, pp. 119–123, 2018. doi:10.24036/jptk.v1i3.2123.
- [12] Y. Arbi, E. R. Aidha, and L. Deflianti, “Analisis Nilai Kalori Briket Tempurung Kelapa Sebagai Bahan Bakar Alternatif Di Kecamatan Sipora Utara Kabupaten Mentawai,” *J. Pendidik. Teknol. Kejuru.*, vol. 1, no. 3, pp. 119–123, 2018, doi: 10.24036/jptk.v1i3.2123.
- [13] A. I. Yunus, A. Masruniati, A. Indrayuni, A. Fatimah, and & A. Sompa, “Pemanfaatan Tempurung Kelapa Menjadi Briket Sebagai Biomassa Alternatif Ramah Lingkungan,” vol. 5, no. 4, 2025, doi: 10.59818/jpm.v5i4.1836.
- [14] T. Khan, T. A. Sebaey, N. Karthikeyan, J. Naveen, S. P. Anand, and T. A. Sebaey, “Coconut (Cocos nucifera) sheath-based polymeric composites - A review,” *Heliyon*, vol. 10, no. 15, p. e35644, 2024, doi: 10.1016/j.heliyon.2024.e35644.
- [15] D. Arziyah, A. Kasim, A. Asben, and M. Busniah, “Analysis of the Chemical Content of Coconut Husk as a Raw Material for Furfural Production,” *J. Appl. Agric. Sci. Technol.*, vol. 9, no. 3, pp. 413–424, 2025, doi: 10.55043/jaast.v9i3.393.
- [16] C. Wijaya, N. L. Sangadji, M. Muharja, T. Widjaja, L. Riadi, and A. Widjaja, “An integrated green fractionation of coconut husk: Hydrothermal and deep eutectic solvent pretreatment for enhanced sugar and lignin production,” *Bioresour. Technol. Reports*, vol. 29, no. February, 2025, doi: 10.1016/j.biteb.2025.102078.
- [17] S. Torgbo, “Assessment of Electrothermal Pretreatment of Rambutan (Nephelium lappaceum L.) Peels for Producing Cellulose Fibers,” *ACS Omega*, vol. 7, no. 44, pp. 39975–39984, 2022, doi: 10.1021/acsomega.2c04551.
- [18] Abdullah K, “Biomass energy potential and utilization in Indonesia, Bogor, Indonesia,” *Indones. Renew. energy Soc.*, no. May, pp. 1–12,

2003. <https://doi.org/10.31331/envoi.v5i1.2875>
- [19] R. P. Tarigan, P. Studi, P. Hasil, J. T. Pertanian, P. Pertanian, and N. Samarinda, "Analisis Mutu Briket Arang Dari Kayu Rambutan (*Nephelium Lappaceum* L.) Dan Kayu Mangga (*Mangifera Indica*)," 2021. <https://repository.politanisamarinda.ac.id/id/eprint/2160>
- [20] E. Kambey, D. Tooy, and D. Rumambi, "Uji Kualitas Briket Sabut Kelapa sebagai Sumber Energi Bioamassa Alternatif," *J. Ilm. Fak. Pertan.*, vol. 15, no. 1, pp. 1–8, 2023. <https://doi.org/10.35791/cocos.v1i1.43000>
- [21] Nabila Eka Putri, Intan Loeniani Putri, Irawan Rusnadi, Ahmad Zikri, and Agus Manggala, "Pengaruh Variasi Temperature dan Ukuran Bahan Baku Pada Proses Karbonisasi Menggunakan Metode Cylinder Retort Kiln Terhadap Kualitas Arang Tempurung Kelapa," *J. Inov.*, vol. 7, no. 2, pp. 67–71, 2024, doi: 10.37338/inovator.v7i2.367.
- [22] A. P. Gobel, "Pengaruh Karbonisasi Terhadap Karakteristik Tempurung Kelapa Berdasarkan Uji Proksimat Dan Nilai Kalor," *J. Miner. Energi dan Lingkung.*, vol. 5, no. 1, pp. 48–54, 2021. <https://doi.org/10.31315/jmel.v5i1.5370>
- [23] Subroto, "Subroto. 2007. Karakteristik pembakaran briket campuran arang kayu dan jerami. Universitas Muhammadiyah Surakarta.," *Qistina*, vol. 2, no. November, pp. 136–142, 2016, doi: 10.23917/mesin.v8i1.3095
- [24] M. Rahim, "Sebagai Bahan Baku Pembuatan Biobriket Dengan Metode Karbonisasi," *Distilat J. Teknol. Separasi*, Vol. 8, no. November, pp. 1031–1039, 2022. <https://doi.org/10.33795/distilat.v8i4.504>
- [25] A. Fhadel Muhamad, "Fhadel Muhamad, A. (2023). Pengaruh Ukuran Partikel Arang terhadap Kualitas Biobriket Berbahan Baku Limbah Baglog Jamur Tiram (Doctoral dissertation, Universitas Andalas). No Title," *Fhadel Muhamad, A. (2023). Pengaruh Ukuran Partikel Arang terhadap Kualitas Biobriket Berbahan Baku Limbah Baglog Jamur Tiram (Doctoral Diss. Univ. Andalas).*, pp. 1–9, 2023, doi: <https://doi.org/10.24912/jssh.v1i1.24544213>.
- [26] O. F. Obi, R. Pecenka, and M. J. Clifford, "A Review of Biomass Briquette Binders and Quality Parameters," *Energies*, vol. 15, no. 7, 2022, doi: 10.3390/en15072426.
- [27] M. Malovanyy, N. Vronska, I. Tymchuk, V. Zhuk, O. Moroz, and N. Chornomaz,

- “The Use of Binders of Natural Origin to Improve the Technology of Creating Fuel Briquettes from Wood Waste,” *J. Ecol. Eng.*, vol. 24, no. 11, pp. 314–320, 2023, doi: 10.12911/22998993/171901.
- [28] G. S. Utami and E. Ningsih, “The Impact of Composition and Type of Material on the Characteristics of Fuel Briquettes,” *Chem. Eng. Trans.*, vol. 108, no. July 2023, pp. 1–6, 2024, doi: 10.3303/CET24108001.
- [29] R. Puspita Dewi, T. Jaya Saputra, and S. Joko Purnomo, “Analisis Karakteristik Briket Arang Dengan Variasi Tekanan Kempa Pembriketan,” *Media Mesin Maj. Tek. Mesin*, vol. 23, no. 1, pp. 13–19, 2022, doi: 10.23917/mesin.v23i1.15913.
- [30] D. C. Hakika, S. Jamilatun, S. Zahira, R. Setyarini, A. Rahayu, and R. Sri Ardiansyah, “Combustion Quality Analysis of Bio-Briquettes from Mixture of Coconut Shell Waste and Coal with Tapioca Flour Adhesive,” *Indones. J. Chem. Eng.*, vol. 1, no. 1, pp. 1–10, 2023, doi: 10.26555/ijce.v1i1.452.
- [31] Badan Standardisasi Nasional, “Briket Arang Kayu -- SNI 01-6235-2000,” 2000, [Online]. Available: <https://sispk.bsn.go.id/>
- [32] Anasthasia P, A. Zulfikar Syaiful, and M. Tang, “Pembuatan Briket Arang Dari Tempurung Kelapa Dengan Metode Pirolisis,” *Saintis*, vol. 1, no. 2, pp. 43–48, 2020, [Online]. Available: <https://journal.ft.unibos.ac.id/index.php/saintis/article/download/130/44/595>
- [33] M. R. Vegatama, “Variasi Komposisi Biobriket Arang Terhadap Karakteristik Termal,” *J. Ilm. Ecosyst.*, vol. 22, no. 2, pp. 237–246, 2022, doi: 10.35965/eco.v22i2.1505.
- [34] A. Z. AL Shaqsi, K. Sopian, and A. Al-Hinai, “Review of energy storage services, applications, limitations, and benefits,” *Energy Reports*, vol. 6, pp. 288–306, 2020, doi: 10.1016/j.egyr.2020.07.028.
- [35] P. H. Al Aziz, I. A. Wahyudie, and Y. Yuliyanto, “Pengaruh Proses Pengeringan dan Penambahan Biomassa Tempurung Kelapa Pada Briket Antrasit Terhadap Kadar Zat Terbang dan Kadar Abu,” *Manutech J. Teknol. Manufaktur*, vol. 17, no. 01, pp. 52–61, 2025. doi : <https://doi.org/10.33504/manutech.v17i01.459>
- [36] G. Lomunyak, B. Osodo, F. Njoka, and E. Kombe, “Characterization, optimization

- and emission analysis of manually-made charcoal dust briquettes with starch, paper and algae binders,” *Heliyon*, vol. 10, no. 24, p. e40991, 2024, doi: 10.1016/j.heliyon.2024.e40991.
- [37] A. D. Seboka, J. Morken, M. S. Adaramola, G. A. Ewunie, and L. Feng, “Optimization of briquetting parameters and their effects on thermochemical fuel properties of biowaste briquettes,” *Bioresour. Technol.*, vol. 439, no. 1432, p. 133277, 2026, doi: 10.1016/j.biortech.2025.133277.
- [38] G. I. Ngene, B. Bouesso, M. González Martínez, and A. Nzihou, “A review on biochar briquetting: Common practices and recommendations to enhance mechanical properties and environmental performances,” *J. Clean. Prod.*, vol. 469, no. March, 2024, doi: 10.1016/j.jclepro.2024.143193.
- [39] Imam Ardiansyah, A. Yandra Putra, and Y. Sari, “Analisis Nilai Kalor Berbagai Jenis Briket Biomassa Secara Kalorimeter,” *J. Res. Educ. Chem.*, vol. 4, no. 2, p. 120, 2022, doi: 10.25299/jrec.2022.vol4(2).10735.
- [40] S. Fatimah, R. A. Febriansyar, A. Kusuma, and R. Pawestri, “Characterization of Biobricks,” vol. 8, no. 02, pp. 1–11, 2023. <https://doi.org/10.23960/aec.v8i2.2023.p1-11>
- [41] Z. Ulma, M. Handayani, A. N. R. Putri, and C. F. Ivana, “Pengaruh Penekanan Terhadap Kadar Air , Kadar Abu , dan Nilai Kalor Briket Dari Sludge Biogas Kotoran Sapi,” *JPPL (Jurnal Pengendali. Pencemaran Lingkungan)*, vol. 3, no. 02, pp. 81–86, 2021, [Online]. Available: <https://ejournal.pnc.ac.id/index.php/jppl>.<https://doi.org/10.35970/jppl.v3i2.961>
- [42] Y. K. Dalimuthe, D. Sulistyanto, S. Irham, T. Madani, and T. A. Rizky, “Analisis Densitas Dan Laju Pembakaran Briket Berdasarkan Komposisi Bahan Penyusun Kulit Kacang Tanah Dan Tempurung Kelapa,” *J. Penelit. Tambang*, vol. 6, no. 1, pp. 48–53, 2023. <https://doi.org/10.56139/intan.v6i1.170>