

DAFTAR PUSTAKA

- American Society for Testing and Materials. 2006. ASTM D 1762-84 : Analysis of Wood Charcoal. American Society for Testing and Materials, USA.
- American Society for Testing and Materials. 2010. ASTM D 5865-10a : Standard Test Method for Gross Calorific Value of Coal and Coke. American Society for Testing and Materials, USA.
- American Society for Testing and Materials. 2011. ASTM D 4179-01 : Standard Test Method for Single Pellet Crush Strength of Formed Catalysts Shapes. American Society for Testing and Materials, USA.
- Amirta R. 2018. Pelet Kayu Energi Hijau Masa Depan. Mulawarman University Press, Samarinda.
- Antwi-Boasiako C, Acheampong BB. 2016. Strength properties and calorific values of sawdust-briquettes as wood-residue energy generation source from tropical hardwoods of different densities. *Biomass and Bioenergy* (85): 144-152.
- Badan Standarisasi Nasional. 2014. SNI 8021:2014, Pelet Kayu. Badan Standarisasi Nasional.
- bin Kosnan H, binti Jamalud-dina NA, Lim HP. Study of mechanical behaviour of polypropylene matrix composite reinforced with coconut shell: COCOPOLY. *Cellulose (wt%)* (32):43.
- British Standard House. 1957. British Standard Methods of Testing Small Clear Specimens of Timber No. 373. British Standard House, London.
- Carone MT, Pantaleo A, Pellerano A. 2011. Influence of Process Parameters and Biomass Characteristics on The Durability of Pellets From The Pruning

Residues of *Olea Europaea* L. *Journal of Biomass and Bioenergy* **35(1)**: 402–410.

Chakravarthy PK, Janani R, Ilango T, Dharani K. 2017. “Properties of concrete partially replaced with coconut shell as coarse aggregate and steel fibres in addition to its concrete volume”. In *IOP conference series: materials science and engineering* **183(1)**: 12-28.

Chaney J. 2010. *Combustion Characteristic of Biomass Briquettes*. Thesis: University of Nottingham. Malaysia

Damayanti RN, Lusiana, & Prasetyo J. 2017. Studi Pengaruh Ukuran Partikel dan Penambahan Perekat Tapioka Terhadap Karakteristik Biopellet dari Kulit Coklat (*Theobroma cacao* L.) Sebagai Bahan Bakar Alternatif. *Jurnal Teknotan* **11(1)**: 51-60.

Din EN 15270. 2007. Pellet burners for small heating boilers. Definition, requirements, testing, marking. Deutsches Institut für Normung. Berlin.

Garcia-Maraver A, Carpio M. 2015. Chapter 2: Factors Affecting Pellet Quality. *WIT Transactions on State of the Art in Science and Engineering* **85**: 22-35.

Garcia-Maraver A, Popov V, & Zamorano M. 2011. A review of European standards for pellet quality. *Renewable Energy* **36(12)**: 3537-3540.

Gusamo BK, Towalis KA. 2022. A Comparative Evaluation of Combustion Characteristics of *Araucaria cunninghamii*, *Intsia bijuga* and *Pometia pinnata* for Bio-Energy Source. *Forests* **13(4)**: 563.

Harun NY, Afzal MT. 2016. Effect of particle size on mechanical properties of pellets made from biomass blends. *Procedia engineering* **148**: 93-99.

Hasna AH. 2018. Peningkatan Sifat Bahan Bakar Pelet Kayu Sengon dengan Penambahan Tempurung Kelapa Sebagai Sumber Energi Terbarukan.

Tesis (Tidak dipublikasikan). Program Studi Ilmu Kehutanan Universitas Gadjah Mada, Yogyakarta.

Hendra D. 2012. Rekayasa pembuatan mesin pelet kayu dan pengujian hasilnya. *Jurnal Penelitian Hasil Hutan* **30(2)**: 144-154.

Heyne K.1987.Tumbuhan Berguna Indonesia, Volume II. Yayasan Sarana Wana Jaya : Diedarkan oleh Koperasi Karyawan, Badan Litbang Kehutanan, Jakarta.

Horabik J, Bańda M, Józefaciuk G, *et al.* 2021. Breakage Strength of Wood Sawdust Pellets: Measurements and Modelling. *Materials* **14(12)**: 3273.

James AK, Thring RW, Helle S, & Ghuman HS. 2012. Ash Management Applications of Biomass Bottom Ash. *Review, Energies* **5(10)**: 3856-3873.

Japanese Agricultural Standards (JAS). 2021. Japanese Agricultural Standards (JAS) for wood pellets fuel. Japanese Agricultural Standards (JAS). Japan.

Kaliyan N, Vance MR. 2009. Factors affecting strength and durability of densified biomass products. *Biomass and Bioenergy* **33(3)**: 337–359.

Lam PS, Tooyserkani Z, Naimi LJ, Sokhansanj S. 2013. Pretreatment and Pelletization of Woody Biomass. Hlm. 93-116 dalam Fang Z, editor. *Pretreatment Techniques for Biofuels and Biorefineries*. Springer, Heidelberg, Dordrecht, London, New York.

Lestari RY, I Dewa DGPP, Budi TC. 2019. Pengaruh Kadar Air terhadap Kualitas Pelet Kayu dari Serbuk Gergajian Kayu Jabon dan Ketapang. *Jurnal Penelitian Hasil Hutan* **37(1)**: 1-12.

Lestari RY, Prabawa IDGP, Cahyana BT. 2019. Pengaruh kadar air terhadap kualitas pelet kayu dari serbuk gergajian kayu jabon dan ketapang. *Jurnal Penelitian Hasil Hutan* **37(1)**: 1-12.

- Liu Z, Mi B, Jiang Z, et al. 2016. Improved bulk density of bamboo pellets as biomass for energy production. *Renew Energy*. **(86)**:1-7.
- Liu Z, Quek A, Balasubramanian R. 2014. Preparation and characterization of fuel pellets from woody biomass, agro-residues and their corresponding hydrochars. *Applied Energy* **113**: 1315-1322.
- Malik J, Adi S, Yan M, Barbara O. 2016. Characterization of Merbau Extractives as a Potential Wood-Impregnating Material. *BioResources* **11(3)**: 7737-7753.
- Mardiatmoko G, Ariyanti M. 2018. Produksi Tanaman Kelapa (*Cocos nucifera* L.). Badan Penerbit Fakultas Pertanian Universitas Pattimura, Ambon.
- Martawijaya A, Kartasujana I, Kosasi K, Prawira SA. (2005). Atlas Kayu Indonesia Jilid II. Forest Products Research and Development Center, Ministry of Forestry, Bogor.
- Muramatsu K, Andreia M, Fabiano D, Alex M. 2015. Factors that Affect Pellet Quality : A Review. *Journal of Agricultural Science and Technology* **5**: 717-722.
- Owoyemi JM, Zakariya HO, Elegbede IO. 2016. Sustainable wood waste management in Nigeria. *Environmental & Socio-economic Studies*, **4(3)**: 1-9.
- Pellet Fuels Institute (PFI). 2010. PFI standard specification for residential/commercial densified fuel. PFI, USA.
- Prayuda DA. 2020. Analisa Kualitas Pembakaran Biopellet Kulit Buah Kapuk dengan Perekat Tepung Kanji. Skripsi. Jurusan Teknik Mesin, Fakultas Teknologi Industri, Institut Teknologi Nasional Malang, Malang.
- Sadono R, Murdawa B, Soeprijadi D, Nawari. 2011. Biometrika Hutan Volume I. Metode Statistika. Interlude, Yogyakarta.

- Saenab A, Laconi EB, Retyani Y, Mas'ud MS. 2010. Evaluasi Kualitas Pelet Ransum Komplit yang Mengandung Produk Samping Udang. *JITV* **15(1)**: 31-39.
- Satmoko MEA, Saputro DD, Budiyo A. 2013. Karakterisasi Briket dari Limbah Pengolahan Kayu Sengon dengan Metode Cetak Panas. *Journal Of Mechanical Engineering Learning* **2(1)**: 1-8.
- Setiabudi H, Susanti CME, Husodo SB. 2019. Sifat Pembakaran Partikel dan Utuhan Kayu Mahang (*Macaranga tanarius* L.) dan Kayu Merbau (*Intsia bijuga* OK). *Jurnal Kehutanan Papua* **5(1)**: 15–22.
- Si Y, Hu J, Wang X et al. 2016. Effect of Carboxymethyl Cellulose Binder on the Quality of Biomass Pellets. *Energy & Fuels* **30(7)**: 5799-5808.
- Siagian H. 2016. Densifikasi Serbuk Kayu Merbau dan Matoa Menjadi Wood Pellet untuk Upgrading Nilai Kalor Tesis (Tidak dipublikasikan). Program Studi Magister Teknik Sistem. Universitas Gadjah Mada, Yogyakarta.
- Sonarkar PR, Chaurasia AS. 2018. Thermal performance of three improved biomass-fired cookstoves using fuel wood, wood pellets and coconut shell. *Environment, Development and Sustainability*: 1–21.
- Standar Nasional Indonesia (SNI). 2018. Pelet biomasa untuk energi. (SNI 8675-2018). Badan Standardisasi Nasional, Indonesia.
- Strauss W, Walker S. 2018. Global pellet market outlook in 2018. <https://www.canadianbiomassmagazine.ca/pellets/increasing-demand6705?jjj=1531443488568> (diakses April 2022).
- Suhartana. 2006. Pemanfaatan Tempurung Kelapa Sebagai Bahan Baku Arang Aktif dan Aplikasinya Untuk Penjernihan Air Sumur di Desa Belor Kecamatan Ngarangan Kabupaten Grobogan. *Berkala Fisika* **9(3)**: 151-156.

Time B. 1998. Hygroscopic moisture transport in wood. Norwegian University of Science and Technology, Trondheim.

Tjitrosoepomo G. 2004. Taksonomi Tumbuhan: Spermatophyta. Gadjah Mada University Press, Yogyakarta.

Vest H. 2003. Small Scale Briquetting and Carbonisation of Organic Residues for Fuel. Infogate, Germany.