

DAFTAR PUSTAKA

- Abrar, R., dan Istana, B., 2014, "Rancang Bangun Tungku Biomassa Hemat Energi dan Ramah Lingkungan dengan Sistem Termoelektrik dan Semi-Gasifikasi", *SNTT2*, M85-98, UMRI, Riau.
- Aries, R.S. dan Newton, R., 1955, "*Chemical Engineering Cost Estimation*", New York: McGraw-Hill Book Company, USA.
- Badan Pengembangan dan Pembinaan Bahasa, 2008, "*Kamus Besar Bahasa Indonesia edisi keempat*", Balai Pustaka, Jakarta, <http://badanbahasa.kemdikbud.go.id/kbbi>, diakses pada tanggal 27 Februari 2017 pukul 21.30 WIB.
- Badan Standardisasi Indonesia, 2013, "*Standar Nasional Indonesia tentang Kinerja Kompor Biomassa*", Badan Standardisasi Indonesia, Jakarta.
- Badan Pusat Statistik, 2015, "*Statistical Yearbook of Indonesia*", Badan Pusat Statistik, Jakarta.
- Berkeley Air Monitoring Group, 2012, "*Stove Performance Inventory Report prepared for the Global Alliance for Clean Cookstoves*", United Nation Foundation, New York.
- Bhattacharya, S.C., and Aqa, S., 1992, "Densification of Preheated Sawdust for Energy Conservation", *Energy*, 17(6), 575–578.
- Bogorov, B.G., 1934. "Seasonal Changes in Biomass of *Calanus finmarchicus* in the Plymouth Area in 1930", *Journal of the Marine Biological Association of the United Kingdom*, 19(2), 585--612 M3–10.1017/S0025315400046658.
- Bryden, M., Still, D., Scott, P., Hoffa, G., Ogle, D., Bailis, R., and Goyer, K. 2010. "*Design Principles for Wood Burning Cook Stove*". Aprovecho Research Center, Manila.
- Dhillon, R. S., Wuehlisch, G., 2013, "Mitigation of global warming through renewable biomass". *Biomass and Bioenergy*, 48, 75–89. <https://doi.org/10.1016/j.biombioe.2012.11.005>
- Febriansyah, H., Agus, A., and Suryoprato, K., 2014, "Gama Stove : Biomass Stove for Palm Kernel Shells in Indonesia", *Energy Procedia*, 47, 123–132. <http://doi.org/10.1016/j.egypro.2014.01.205>, Yogyakarta.
- Fengel, D. dan Wegener., 1995, "*Kayu: Kimia, Ultrastruktur, Reaksi-Reaksi*", diterjemahkan oleh Sastrohamidjojo, Universitas Gadjah Mada Press, Yogyakarta.
- Greenmadura, 2017, "*Kompor wood pelet pembakar ramah energi*", <http://greenmadura.com/kompor-wood-pelet-pembakar-ramah-energi.html>, diakses pada tanggal 3 Juli 2017 pukul 16.45 WIB.
- Hasmoro, E., 2007, "*Pengaruh Suhu dan Waktu Karbonisasi Tempurung Kelapa terhadap Kualitas Briket Arang dengan Proses pirolisis*", Thesis, Universitas Gadjah Mada. Yogyakarta.



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- Haygreen, J. G. dan J.L., Bowyer, 1989, "*Hasil Hutan dan Ilmu Kayu: Suatu Pengantar*", diterjemahkan oleh Sutjipto A. Hadikusumo, Universitas Gadjah Mada Press, Yogyakarta.
- Herliansyah, M.K., 2005, "*Pengembangan CNC Retrofit Milling untuk Meningkatkan Kemampuan Mesin Milling Manual Dalam Pemesinan Bentuk-bentuk Kompleks*", *Forum Teknik Vol. 29*. Jurusan Teknik Mesin Fakultas Teknik, Universitas Gadjah Mada, Yogyakarta.
- Hillier, F.S., 2015, "*Introduction to Operations Research (Tenth edition)*", McGraw-Hill, New York.
- Hoefnagels, R., Junginger, M., and Faaij, A., 2014, "The economic potential of wood pellet production from alternative, low-value wood sources in the southeast of the U.S", *Biomass and Bioenergy*, 71, 443–454. <https://doi.org/10.1016/j.biombioe.2014.09.006>
- Hou, B., Tang, X., Ma, C., Liu, L., and Wei, Y., 2016, "Cooking fuel choice in rural China : results from microdata", *Journal of Cleaner Production*, 1–10. <https://doi.org/10.1016/j.jclepro.2016.05.031>
- IndoEnergi, 2013, "*Kompur Biomassa*", <http://www.indoenergi.com/2012/04/Kompur-Biomassa.html>, diakses pada tanggal 27 Februari 2016 pukul 18.45 WIB.
- Jetter, J. J., and Kariher, P., 2009, "Solid-fuel household cook stoves: Characterization of performance and emissions". *Biomass and Bioenergy*, 33(2), 294–305. <https://doi.org/10.1016/j.biombioe.2008.05.014>
- Kaupp, A., 1984, "*Gasification of Rice Hull: Theory and Practice*", GATE/GTZ, Federal Republic of Germany.
- Kumar, M., Sachin, K., and Tyagi, S.K., 2013, "Design, Development and Technological Advancement in The Biomass Cookstoves: A Review", *Jurnal Renewable and Sustainable Energy Reviews*, 26, 265–285. <http://doi.org/10.1016/j.rser.2013.05.010>
- Milne, T.A., Evans, R.J., and Abatzoglou, N., 1998, "*Biomass Gasifier Tars: Their Nature, Formation and Conversion*", McGraw-Hill, USA.
- Nailul, A., 2010. "*Modifikasi dan Analisis Kinerja Kompur Sekam Padi Kerucut Dengan Mekanisme Sirkulasi Konveksi Natural*", Thesis, Universitas Gadjah Mada, Yogyakarta.
- Neathery, James K., and Crocker, M., 2010, "*Thermochemical Conversion of Biomass to Liquid Fuels and Chemicals*", (NREL/TP-57), Center for Applied Energy Research, Lexington, USA.
- Nurhuda, 2009, "*Tungku Biomassa UB Mendukung Terwujudnya Kemandirian Energi*", Universitas Brawijaya, Malang.
- Permana, F.Y., dan Rameli, M., 2012, "Pengaturan Kecepatan Spindle pada Retrofit Mesin Bubut CNC Menggunakan Kontroler PI Gain Scheduling". *Jurnal Teknik Pomits Vol.1, No. 1*,



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Fakultas Teknologi Industri, Institut Teknologi Sepuluh Nopember, Surabaya.

- Pradana, Y. S., and Prasetya, A., 2017, "Performance evaluation of household pyrolytic stove: Effect of outer air holes condition", *AIP Conference Proceedings*, 1823. <https://doi.org/10.1063/1.4978142>
- Pusat Data dan Informasi ESDM., 2010, "*Indonesian Outlook Energy*", Kementrian ESDM, Jakarta.
- , 2006, "*Blue Print Pengembangan Industri Energi Nasional*", Kementerian ESDM, Jakarta.
- Schreiner, NH., 2011, "*Performance characteristic and design recommendation for biomass-burning stove using earthen construction material*", Report, Michigan Technology University, USA.
- Singh, R.K. and Misra., 2005, "*Biofuels from Biomass*", National Institute of Technology Rourkela, India.
- Sudrajat, 1983, "*Pengaruh Bahan Baku, Jenis Perekat, dan Tekanan Kempa Terhadap Kualitas Arang Briket*", IPB, Bogor.
- Tama, A.S, Sarwono, dan Noriyati, R.D., 2012, "Perancangan kompor briket biomass untuk limbah kopi". *Jurnal Teknik POMITS*, 1(1), 1–6, Surabaya.
- Yokoyama, S., 2008, "*The Asian Biomass Handbook*", The Japan Institute of Energy, Japan.