

DAFTAR PUSTAKA

- Adelin, S. 2013. *Pengaruh Suhu Kempa dan Jumlah Asam Sitrat Terhadap Sifat Papan Partikel Batang Kelapa Sawit (Elaeis guineensis Jacq.)*. Skripsi. Fakultas Kehutanan Universitas Gadjah Mada. Tidak diterbitkan.
- Ando, M. dan M. Sato. 2010. *Evaluation of the self – bonding ability of sugi and application of sugi powder as a binder of plywood*. J wood Sci 56: 194 – 200.
- Angles, M. N., J. Reguant, D. Montane, F. Ferrando, X. Farriol, dan J. Salvado. 1999. *Binderless composites from pretreated residual softwood*. Journal of Applied Polymer Science, Vol. 73, 2485 – 2485 – 2491.
- Anonim. 2012. *(Indonesia) PRODUKSI PERKEBUNAN : Tahun ini, pencapaian naik*. <http://www.bumn.go.id/ptpn4/publikasi/berita/Indonesia-produksi-perkebunan-tahun-ini-pencapaian-naik/>. Diakses Tanggal 12 April 2013.
- Anonim. 2003. *Japan Industrial Standard (JIS) for particleboard*. JIS A 5908 –2003. Tokyo. Japan.
- Anonim. 2006. *Standar Nasional Indonesia, Papan Partikel SNI03-2105-2006*. Badan Standardisasi Nasional.
- ASTM International. 1985. *Annual Book of ASTM Standards*. Section Four Construction Volume 04.09 Wood. Philadelphia.
- Badrun, M. 2010. *Tonggak Perubahan Melalui PIR Kelapa Sawit Membangun Negeri*. Direktorat Jenderal Perkebunan Kementerian Pertanian RI. Jakarta.
- Bakar, E.S. 2003. *Kayu Sawit sebagai Substitusi Kayu dari Hutan Alam*. Forum Komunikasi Teknologi dan Industri Kayu Jurusan Teknologi Hasil Hutan Fakultas Kehutanan IPB Volume 2/1/Juli 2003. Bogor.
- Dungani, R., M. Jawaid, H.P.S.A. Khalil, Jasni, S. Aprilia, K.R. Hakeem, S. Hartati, dan M.N. Islam. 2013. *A Review on Quality Enhancement of Oil Palm Trunk Waste by Resin Impregnation : Future Materials*. BioResources 8 (2), 3136-3156.
- Hashim, R., N. Saari, O. Sulaiman, T. Sugimoto, S. Hiziroglu, M. Sato, dan R. Tanaka. 2010. *Effect of particle geometry on the properties of binderless particleboard manufactured from oil palm trunk*. Material and Design 31 4251 - 4257.
- Hashim, R., N. Said, J. Lamaming, M. Baskaran, O. Sulaiman, M. Sato, S. Hiziroglu, dan T. Sugimoto. 2011a. *Influence of press temperature on the properties of binderless particleboard made from oil palm trunk*. Material and Design 32 2520 – 2525.

- Hashim, R., W.N.A.W. Nadhari, O. Sulaiman, F. Kawamura, S. Hiziroglu, M. Sato, T. Sugimoto, T.G. Seng, dan R. Tanaka. 2011b. *Characterization of raw materials and manufactured binderless particleboard from oil palm biomass*. *Material and Design* 32 246 – 254.
- Hashim, R., W.N.A.W. Nadhari, O. Sulaiman, M. Sato, S. Hiziroglu., F. Kawamura, T. Sugimoto, T.G. Seng, dan R. Tanaka. 2012. *Properties Particleboard Manufactured From Oil Palm Biomass*. *BioResources* 7 (1) : 1352-1365.
- Hatta, T. 1993. *Heat flow in particle mat and properties of particleboard under steam – injection pressing*. Thesis or Dissertation. Kyoto University.
- Haygreen J. G. dan J. L. Bowyer. 1989. *Hasil Hutan dan Ilmu Kayu Suatu Pengantar*. Gadjah Mada University Press. Yogyakarta.
- Inoue M., M. Norimoto, M. Tanahashi, dan R. M. Rowell. 1993. *Steam or Heat Fixation of Compressed wood*. *Wood Fiber Sci* 25 : 224-235.
- Isnan, R. 2013. *Pengaruh Jumlah Asam Sitrat dan Ukuran Partikel Terhadap Karakteristik Papan Partikel Dari Bambu Petung*. Skripsi. Fakultas Kehutanan Universitas Gadjah Mada. Tidak diterbitkan.
- Kollmann, F.F.P., W.W. Kuenzi, dan A. J. Stamm. 1975. *Principles of Wood Science and Technology Volume II. Wood Based Material*. Springer Verlag Berlin. New York.
- Lubis, R.E., dan A. Widanarko. 2011. *Buku Pintar Kelapa Sawit*. Agro Media. Jakarta.
- Lee, K.T., dan C. Ofori-Boateng. 2013. *Oil Palm Biomass as Feedstock for Biofuel Production*. Springer Science DOI: 10.1007/978-981-4451-70-3_3.
- Maloney, T.M. 1977. *Modern Particle Board and Dry Process Fiberboard Manufacturing*. Miller Freeman Publications., Inc USA.
- Muharam, A. 1995. *Pengaruh Ukuran Partikel dan Kerapatan Lembaran Terhadap Sifat Fisis dan Mekanis Papan Partikel Ampas Tebu*. Skripsi. Fakultas Teknologi Pertanian Institut Pertanian Bogor. Tidak diterbitkan.
- Ngando-Ebongue, G.F, W.N. Ajambang, P. Koona, B.L. Firman, dan V. Arondel. 2012. *Oil Palm*. *Technological Innovations in Major World Oil Crops Volume I: Breeding*, DOI 10.1007/978-1-4614-0356-2_7.
- Ofori-Boateng, C., dan Lee, K. T. 2013. *Sustainable utilization of oil palm wastes for bioactive phytochemicals for the benefit of the oil palm and nutraceutical industries*. *Phytochem Rev* 12 : 173 – 190.

- Okuda, N., dan M. Sato. 2004. *Manufacture and Mechanical Properties of Binderless Boards from Kenaf Core*. J Wood Science 50: 53-61.
- Okuda, N., dan M. Sato. 2006. *Water Resistance Properties of Kenaf Core Binderless Boards*. J Wood Sci 52: 422-428.
- Okuda, N., K. Hori, dan M. Sato. 2006. *Chemical Changes of Kenaf Core Binderless Boards Durinds Hot Pressing(I):Influence of The Pressing Temperature Condition*. J Wood Sci (2006).
- Prasetyo, D. H. 2010. *Pengaruh waktu ekstraksi dan metode pengempaan terhadap sifat papan partikel tanpa perekat limbah pengetaman kayu jati (Tectona grandis L.f)*. Skripsi. Fakultas Kehutanan Universitas Gadjah Mada. Tidak diterbitkan.
- Rowell, R., S. Lange, J. McSweeny, dan M. Davis. 2002. *Modification of Wood Fiber Using Steam*. In Proceedings of The 6th Pacific Rim Bio-Based Composites Symposium. Oregon. Vol 2 pp : 606-615.
- Rolleri, A., dan E. Roffael. 2010. *Surface roughness of uncoated particleboards and its relation with the raw material, adhesive and climatic conditions*. Eur. J. Wood Prod. (2010) 68: 369 – 372.
- Salvado, J., J. A. Velasquez, dan F. Ferrando. 2003. *Binderless fiberboard from steam exploded Miscanthus sinensis : optimization of pressing and pretreatment conditions*. Wood Sci Technol 37 (2003) 279 – 286.
- Saputra, H. 2006. *Pengaruh Jenis dan Jumlah Perekat Terhadap Sifat-Sifat Papan Partikel kayu Johar (Cassia siamea Lamk)*. Skripsi. Fakultas Kehutanan Universitas Gadjah Mada. Yogyakarta. Tidak diterbitkan.
- Shen K. C. 1986. *Process for Manufacturing Composite Products from Lignocellulosic Materials*. United States Patent 4627951.
- Shen K. C. 1991. *Method of Making Composite Products from Lignocellulosic Materials*. United States Patent 5017319.
- Sulaiman, O., N. Salim, N. A. Nordin, R. Hashim, M. Ibrahim, dan M. Sato. 2012. *The potential of oil palm trunk biomass as an alternative source for compresses wood*. BioResources 7 (2), 2688 – 2706.
- Suzuki S., H. Shintani, S. Y. Park, K. Saito, N. Laemsak, M. Okuma, dan K. Iiyama. 1998. *Preparation of Binderless Boards from Steam Exploded Pulps of Oil Palm (Elaeis guineensis Jaxq) Fronds and Structural Characteristics of Lignin and Wall Polysaccharides in Steam Exploded Pulps to be Discussed for Self-Bonding*. Holzforschung 52 : 417-426.

- Tanahashi M., T. Goto, F. Horii, A. Hirai, dan T. Higuchi. 1989. *Characterization of Steam Exploded Wood III Transformation of Cellulose Crystals and Changes of Crystallinity*. Mokuza Gakkaishi 35 : 654-662.
- Tsoumis G. 1991. *Science and Technology of Wood (Structure, Properties, Utilization)*. Van Nostrand Reinhold Company. New York.
- Velazquez, J. A., F. Ferrando, dan J. Salvado. 2002. *Binderless Fiberboard from Steam Exploded Miscanthus Sinensis: The Effect of A Grinding Process*. Holz Roh - Werkstoff 60: 297-302.
- Velasquez, J.A., F. Ferrando, X. Farriol , dan J. Salvado. 2003. *Binderless Fiberboard from Steam Exploded Miscanthus sinensis*. Wood Sci Technol 37 (2003): 269–278.
- Widyorini R., J. Xu, T. Watanabe, dan S Kawai. 2005a. *Chemical Changes in Steam-Pressed Kenaf Core Binderless Particleboard*. J Wood Sci 51: 26–32.
- Widyorini R., J. Xu, K. Umemura, dan S. Kawai. 2005b. *Manufacture and Properties of Binderless Particleboard from Bagasse I: Effects of Raw Material Type, Storage Methods, and Manufacturing Process*. J Wood Sci 51: 648–654.
- Widyorini R., T. Higashihara, J. Xu, T. Watanabe, dan S. Kawai. 2005c. *Self-Bonding Characteristics of Binderless Kenaf Core Composites*. J Wood Sci 39: 651–662.
- Widyorini, R., A. P. Yudha, A. Ngadianto, K. Umemura, dan S. Kawai. 2012. *Developmen of Bio-based Composite Made From bamboo And Oil Palm Frond*. BIOCAMP2012 (11th pacific Rim Bio-Based Composite Symposium). Shizuoka. Japan.
- Xu, J.Y., G.P. Han, E.D. Wong, dan S. Kawai. 2003. *Development of Binderless Particleboard From Kenaf Core Using Steam-Injection Pressing*. J Wood Sci 49:327–332.
- Yudha, A.P. 2010. *Pengaruh Kadar Air dan Ukuran Partikel Terhadap Sifat Papan Partikel Tanpa Perekat dari Bambu Petung (Dendrocalamus asper Backer)*. Skripsi. Fakultas Kehutanan Universitas Gadjah Mada. Yogyakarta. Tidak diterbitkan.