

DAFTAR PUSTAKA

- Adi, D.S., dan S. N. Marsoem. 2008. Pengaruh lama pemasakan dan konsentrasi caustic soda (NaOH) terhadap rendemen dan sifat fisik pulp pelepah salak metode kimia mekanik sederhana. Skripsi (tidak dipublikasikan). Fakultas Kehutanan, Universitas Gadjah Mada, Yogyakarta.
- Ashari, S. 2013. Salak: the snake fruit. Universitas Brawijaya Press, Malang.
- Balai Pengkajian Teknologi Pertanian Yogyakarta. 2003. Teknologi budidaya salak pondoh sepanjang tahun. BPTP Yogyakarta.
- BAPPENAS. 2000. Salak (*Salacca edulis*). Teknologi tepat guna pertanian. Sistem Informasi Manajemen Pembangunan di Perdesaan. BAPPENAS. <http://distan.jogjaprovo.go.id>. (Juli 2018).
- Bertaud, F., S. T. Lingua, A. Pizzi, P. Navarrete, dan M. P. Conil. 2012. Development of green adhesives for fiberboard manufacturing, using tannins and lignin from pulp mill residues. *Cell Chem Technol* **46**(7): 449-455.
- BPS. 2018. Statistik tanaman buah-buahan dan sayuran tahunan indonesia tahun 2017. Badan Pusat Statistik Indonesia, Jakarta.
- Bubník, Z. dan P. Kadlec. 1995. Sucrose solubility (Chapter 5). Springer Science Business Media Dordrecht, Britania Raya.
- da Silva, L.F.M., A. Öchsner, dan R.D. Adams. 2018. Introduction to adhesive bonding technology. Springer International Publishing AG, Switzerland.
- Domínguez-Robles, J., Q. Tarrés, M. Delgado-Aguilar, A. Rodríguez, F.X. Espinach, dan P. Mutjé. 2018. Approaching a new generation of fiberboards taking advantage of self lignin as green adhesive. *International Journal of Biological Macromolecules* **108**: 927-935.
- Dransfield, J., Uhl, N. W., Asmussen-Lange, C. B., Baker, W. J., Harley, M. M., and Lewis, C. E. 2005. A new phylogenetic classification of the palm family. *Arecaceae Kew Bulletin* **60**(4), 559-569. DOI: 10.2307.25070242.

- Emmanuel F. Torquebiau. 2000. A renewed perspective on agroforestry concepts and classification. *Sciences de la vie*. Paris. **323(11)**, 1009-1017. DOI: 10.1016/s0764-4469(00)01239-7
- Food and Agriculture Organization (FAO). 1996. FAO report of international consultation on instalation board (hardboard and particleboard). Roma.
- Garud. R, J. Gehman. 2012. Perspektif metateoretis tentang perjalanan keberlanjutan: evolusioner, relasional, dan durasi. *Res.Pol.*, **41** hal 980 – 995.
- Hakim, L. dan Febrianto, F. 2005. Karakteristik fisis papan komposit dari serat batang pisang (*Musa .sp*) dengan perlakuan alkali. *Peronema Forestry Science Journal* **1(1)**: 1-37.
- Hakim, L., Widyorini, R., Widyanto, D. N., and T. A. Prayitno. 2019. Anatomical, chemical, and mechanical propeties of fibrovascular bundles of salacca (snake fruit) frond. *BioResources* **14(4)**: 7943-7957.
- Hashim, R., N. Said, J. Lamaming, M. Baskaran, O. Sulaiman, M. Sato, S. Hiziroglu, dan T. Sugimoto. 2011. Influence of press temperature on the properties of binderless particleboard made from oil palm trunk. *Matirials and Design* **32(05)**: 2520-2525.
- Haygreen, J. G. dan Bowyer, J. L. (2007). Hasil hutan dan ilmu kayu, suatu pengantar (Terjemahan). UGM Press. Yogyakarta.
- Hetemäki. L, Henewinkel. M, Bart Muys, Ollikainen. M, Palahi. M, Trasobares. A. 2017. Leading the way to a European circular bioeconomy strategy” ed. Pekka leskinen. *From Science to Policy*, **5** (2017).
- Hirschmüller, H. (1953a). Chemical properties of sucrose (Chapter 1). Elsevier. New York.
- Hirschmüller, H. (1953b). Physical properties of sucrose (Chapter 2). Elsevier. New York.
- Hurmekoski. E, M. Lovrić, N. Lovrić, L. Hetemäki, G. Winkel. 2019. Frontiers of the forest-based bioeconomy – A European Delphi study. *Forest Policy Econ.*, **102** (2019), pp. 86-99.

- Jang, Y. dan K. Li. 2015. An all-natural adhesive for bonding wood. *Journal of American Oil Chemists. Society* **92**: 431-438.
- Kaliky, R., S. Widodo, dan N. Hidayat. 2006. Persepsi petani terhadap pemanfaatan pelepah daun salak untuk industri pulp dan konservasi lingkungan pertanaman salak pondoh di Kabupaten Sleman. Balai Pengkajian Teknologi Pertanian. Yogyakarta (tidak dipublikasikan).
- Kirk, R.E. dan D.F. Othmer. 2004. *Encyclopedia of chemical technology*, Volume 18, 4th edition : Paper to Pigment Dispersions. John Wiley and Sons, New York.
- Kollmann, F. F. P., E. W. Kwenzi, dan A. J. Stamm. 1975. *Principle of wood science and technology Vol II: Wood Base Material*. Springer-Verlag Berlin Heidelberg, New York.
- Kretschmann, D. E. (2010). *Wood handbook - wood as an engineering material: Chapter 5 mechanical properties of wood*. Forest Product Laboratory United States Department of Agriculture Forest Service. Madison.
- Lamaming, J., Hashim, R., Sulaiman, O., Sugimoto, Sato, M., and Hiziroglu, S. 2014. Measurement of some properties of binderless particleboards made from young and old oil palm trunks. *Measurement* **47**: 813-819.
- Leontowicz, H., M. Leontowicz, J. Draewiecki, R. Haruenkit, S. Poovarodom, dan Y. S. Park. 2006. Bioactive properties of snake fruit (*Salacca edulis* Reinw) and mangosteen (*Garcinia mangostana*) and their influence on plasma lipid profile and antioxidant activity in rats feed cholesterol. *Eur Food Res Technol* **223**:697-703.
- Lim, T. K. 2012. *Edible medicinal and non-medicinal plants*, Volume 1, Fruits Springer Dordrecht Heidelberg, New York.
- Maloney, T. M. 1993. *Modern particle board and dry process fiberboard. Manufacturing*. Miller Freeman Publication. San Fransisco, California.
- Maloney, T. M. 1997. *Modern particle board and dry process fiber board Manufacturing*. Miller Freeman, Inc San Fransisco.
- Maloney, T.M. dan A. L. Mottet. 1970. Particleboard (Chapter 1), dari buku

- Modern materials: Advances in development and applications Volume 7
oleh B. W. Gonser (eds.). Academic Press, New York.
- Mogea, J. P. 1986. A new species in the genus *salacca* principles **30(4)**: 161-164.
- Morone, P and Imbert, E. 2020. Food waste and social acceptance of a circular bioeconomy: the role of stakeholders. *Current Opinion in Green and Sustainable Chemistry*. Volume **23**, 2020, Pages 55-60.
- Moubarik, A., A. Allal, A. Pizzi, P. Charrier, dan B. Charrier. 2009. Characterization of a formaldehyde-free cornstarch-tannin wood adhesive for interior plywood. *Eur J Wood Wood Prod* **68**:427–433.
- Pizzi, A. 2006. Recent developments in eco-efficient bio-based adhesives for wood bonding: Opportunities and issues. *Journal of Adhesion Science Technology* **20(8)**: 829-846.
- Prayitno, T. A. 2012. Bahan ajar teknologi perekatan kayu. Fakultas Kehutanan Universitas Gadjah Mada, Yogyakarta.
- PubChem. 2018. Ammonium Phosphate, Monobasic. Amerika Serikat: PubChem Compound Database, National Center for Biotechnology Information, U.S. National Library of <https://pubchem.ncbi.nlm.nih.gov/compound/24402>. September 2018.
- Rahayu, F., Sudjindro, dan U. S. Budi. 2010. Seleksi dan pengujian bakteri indigenous air rendaman kenaf (*Hibiscus cannabinus L.*) sebagai bakteri selulolitik, pektinolitik, dan lignolitik. *Buletin Tanaman Tembakau, Serat & Minyak Industri* **2(2)**:81-87.
- Rahayu, T., A. Asngad, dan Suparti. 2017. Biopulping pelepah tanaman salak menggunakan jamur pelapuk putih (*Phanerochaete chrysosporium*). *Bioeksperimen* **3(1)**: 58-63.
- Rowell, R. M. 1997. Paper and composites from agro-base resources. C. R. C. Lewis Publisher, Florida
- Santoso, M., R. Widyorini, T.A. Prayitno, dan J. Sulistyono. 2016. Kualitas papan partikel dari pelepah nipah dengan perekat asam sitrat dan sukrosa. *Jurnal Ilmu Kehutanan* **10(2)**: 129-136.

- Sastrapradja. S., Mogeia. J. P., Sangat. H. M dan Afriastini. J. J. 1977. Palembang Indonesia. LBN LIPI, Bogor.
- Shmulsky, R. dan P.D. Jones. 2011. Forest products and wood science: An introduction, Sixth Edition. John Wiley & Sons Inc, Britania Raya.
- Shoberi, N.S.B. 2010. The role of ph, temperature, and catalyst type in caramel manufacturing process. Tesis. Universiti Malaysia Pahang, Malaysia.
- Sucipto, T. dan S. Ruhendi. 2012. Analisis kualitas perekatan kayu laminasi mangium dengan perekat polistirena. FORESTA Indonesian Journal of Forestry I 1: 19-24.
- Sukendro, S. 2013. Peluang usaha prospektif budi daya salak. Cahaya Atma Pustaka, Yogyakarta.
- Supapvanich, S., Megia, R., and Ding, P. 2011. Postharvest biology and technology of tropical and subtropical fruits, Volume 4: Mangosteen to white sapote, Chapter 16; Salak (*Salacca zalacca* (Gaertner) Voss), E.M. Yahie (ed.). Woodhead Publishing Limited, Philadelphia, USA.
- Sutrisno, E. Darmawati, dan W.L.S Siregar. 2008. Pemanfaatan pelepah salak untuk kemasan transportasi buah salak (*Salacca edulis*). Prosiding Seminar Nasional Teknik Pertanian 18-19 November 2008. Yogyakarta.
- Tjitrosoepomo, G. 1998. Taksonomi umum: dasar- dasar taksonomi tumbuhan. Gadjah Mada University Press, Yogyakarta.
- Umemura, K., O. Sugihara, dan S. Kawai. 2013. Investigation of a new natural adhesive composed of citric acid and sucrose for particleboard. Journal of Wood Science **59**(3): 203-208.
- Umemura, K., S. Hayashi., S. Tanaka, dan K. Kanayama. 2017. Changes in physical and chemical propeties of sucrose by the addition of ammonium dihydrogen phosphate. Journal of The Japan Adhesives Research Society **53**(4): 112-117.
- Umemura, K., T. Ueda, dan S. Kawai. 2011. Characterization of wood-based molding bonded with citric acid. Journal Wood Science (**58**):38–45.
- Vital, B. R., Lehmann, W. F., dan Boone, R. S. (1974). How species and board

- densities affect properties of exotic hardwood particleboards. *Forest Products Journal* **24(12)**: 37–45.
- Vlitos, A. J. 1995. *Economical aspects of sugar*. Springer Science Business Media Dordrecht, Britania Raya.
- Widyorini, R. 2020. Evaluation of physical and mechanical properties of particleboard made from petung bamboo using sucrose-based adhesive. *BioResouces* **15(3)**: 5072-5086.
- Widyorini, R. dan T. A. Prayitno. 2009. *Bahan ajar teknologi biokomposit*. Fakultas Kehutanan, Universitas Gadjah Mada, Yogyakarta.
- Widyorini, R., A. P. Yudha, R. Isnani, A. Awaluddin, T. A. Prayitno, A. Ngadianto, dan K. Umemura. 2014. Improving the phsycho mechanical properties of eco-friendly composite made from bamboo. *Advanced Materials Research* **(896)**: 562-565.
- Widyorini, R., K. Umemura, A. Septiano, D.K. Soraya, G.K. Dewi, dan W.D. Nugroho. 2018. Manufacture and properties of citric acid-bonded composite board made from aalacca frond : Effects of maltodextrin addition, pressing temperature, and pressing method. *BioResources* **13(4)**: 8662-8676.
- Widyorini, R., P.A. Nugraha, M.Z.A. Rahman, dan T.A. Prayitno. 2016. Bonding ability of a new adhesive composed of citric acid-sucrose for particleboard. *BioResources* **11(2)**: 4526-4535.
- Widyorini, R., T.A. Prayitno , A.P. Yudha, B.A. Setiawan, dan B.H. Wicaksono. 2012. Pengaruh konsentrasi asam sitrat dan suhu pengempaan terhadap kualitas papan partikel dari pelepah nipah. *Jurnal Ilmu Kehutanan* **6(1)**: 61-70.
- Widyorini, R., K. Umemura, A. Septiano, D. K Soraya. 2019. Effect of citric acid content and extractives treatment on the manufacturing process and propeties of citric acid-bonded salacca frond Particleboard. *BioResources* **14(2)**: 4171-4180.

- Willy, D. 2007. Merintis klaster baru industri kerajinan bahan salak sebagai upaya preservasi perkebunan salak Cineam, Tasikmalaya. Insitut Teknologi Bandung, Bandung.
- Yusuf, A. 2000. Determinasi suhu kempa optimum papan komposit dari kayu dan limbah plastik. Skripsi. Fakultas Kehutanan, Institut Pertanian Bogor, Bogor.
- Zhao, Z., and Umemura, K. 2014. Investigation of a new natural particleboard adhesive composed of tannin and sucrose. *Journal of Wood Science* **60**: 269-277. DOI: 10.1007/s10086-014-1405-3.
- Zhao, Z., Hayashi, S., Xu, W., Wu, Z., Tanaka, S., Sun, S., Zhang, M., Kanayama, K., and Umemura, K. 2018. A novel eco-friendly wood adhesive composod by sucrose and ammonium dihydrogen phosphate. *Polymers* **10**: 1251. DOI: 10.3390/polym10111251.
- Zumaidar, Chikamawati, T., Hartana, A., Sobir, Moge, J. P., and Borchsenius, F. 2014. *Salacca acehensis (Arecaceae)*, A new species from sumatera, Indonesia. *Phytotaxa* **159(4)**: 287-290. DOI: 10.11646/phytotaxa.159.4.5.