

DAFTAR PUSTAKA

- Aini F, Affandi D, Basito B. 2016. Kajian penggunaan pemanis sorbitol sebagai pengganti sukrosa terhadap karakteristik fisik dan kimia biskuit berbasis tepung jagung (*Zea mays*) dan tepung kacang merah (*Phaseolus vulgaris L.*). *Jurnal Teknologi Hasil Pertanian*. **9(2)**: 22-32.
- Alamsyah R, Widyorini R. 2021. Pengaruh suhu dan waktu pengempaan terhadap sifat papan partikel bambu apus dengan perekat sukrosa-amonium dihidrogen fosfat. Skripsi (Tidak dipublikasikan). Fakultas Kehutanan, Universitas Gadjah Mada, Yogyakarta.
- Arsad E. 2015. Teknologi pengolahan dan manfaat bambu. *Jurnal Riset Industri Hasil Hutan*, **7(1)**: 45-52.
- BPS. 2023. Statistik Produksi Kehutanan Tahun 2023. Badan Pusat Statistik Indonesia, Jakarta.
- Brochmann J, Edwardson C, and Shmulsky R. 2004. Influence of resin type and flake thickness on properties of OSB. *Forest Prod. J.* **54(3)**:51–5.
- Cahyono T and Syahidah. 2019. Citric Acid, an environmentally friendly adhesive and wood impregnation material-review of research. *The 14th Pacific Rim Bio-Based Composites Symposium* **593**.
- Cai Z, Muehl J, Winandy J. 2006. Effects of panel density and mat moisture content on processing medium density fiberboard. *Forest Products Journal*. **56**. 20-25.
- Desiasni R, Azman N, Widyawati F. 2023. Sifat fisik dan mekanik komposit papan partikel berdasarkan variasi ukuran serbuk kayu mahoni (*Swietenia macrophylla*) sebagai material alternatif : papan komposit. *Jurnal Tambora* **7(2)**: 78-83
- Dransfield S dan E.A. widjaja (editor). 1995. Plant Resources Of South-East Asia No.7:Bambus. Backhuis Publisher. Leyden

- Fitri M. 2016. Perekat kayu lapis dari daun lamtoro (*Leucaena leucocephala*). *Jurnal Sains dan Teknologi*, **16 (1)**: 1-113
- Food and Agriculture Organization of the United Nations (2022) Forestry Production and Trade.
- Food and Agriculture Organization of the United Nations (2023) Forestry Production and Trade.
- Haygreen J and Bowyer J. 1996. Forest Product and Wood Science: an Introduction. Iowa State University Press, USA.
- Hakim U, Rosyidi D, Widati A. 2013. Pengaruh penambahan tepung garut (*Maranta arrundinaceae*) terhadap kualitas fisik dan organoleptic nugget kelinci. *Jurnal Ilmu dan Teknologi Hasil Ternak (JITEK)* **8(2)**: 9-22.
- Hossain M, Ghosh R, Das A, et al. 2024. Chemical composition and solubility properties of *Bambusa bambos* at different ages and height positions. *Advances in Bamboo Science* **6**
- Iskandar D, Widyorini R. 2022. Pengaruh komposisi dan jumlah perekat sukrosa-amonium dihidrogen fosfat terhadap sifat fisika mekanika papan untai bambu apus. *Skripsi* (Tidak dipublikasikan). Fakultas Kehutanan Universitas Gadjah Mada
- JIS. 2015. Japanese Industrial Standard A 5908:2015 Particleboards. Japanese Standards Association, Tokyo.
- Junisa H, Oramahi, Tavita G. 2019. Studi pemanfaatan jenis bambu oleh masyarakat dayak bakati di hutan adat desa tanjung kecamatan teriak kabupaten bengkayang. *Jurnal Hutan Lestari*, **7 (3)**: 1424-1433
- Kamal, Manik P, Samuel. 2017. Analisa teknis dan ekonomis penggunaan bambu laminasi apus dan petung sebagai material alternatif pembuatan komponen kapal kayu. *Jurnal Teknik Perkapalan*, **5 (2)**: 381-386

- Kartika I, Pratiwi D. 2018. Karakteristik Papan partikel dari bambu dengan perekat getah damar. *Jurnal Teknologi Industri Pertanian*, **28(2)**: 127-139
- Kelly MW. 1977. Critical literature review of relationships between processing parameters and physical properties of particleboard. General Technical Report FPL-10. US Department of Agriculture, Forest Products Laboratory, Madison, WIS, USA.
- Kurkowiak K, Emmerich L, Militz H, 2021. Sorption behavior and swelling of citric acid and sorbitol (SorCA) treated wood ABC. *Holzforschung* **75**:1136
- Kusumah SS, Umemura K, Yoshioka K, Miyafuji H, Kanayama K, 2016. Utilization of sweet sorghum bagasse and citric acid for manufacturing of particleboard I: effects of pre-drying treatment and citric acid content on the board properties. *Industrial Crops and Products*, **84**: 34-42.
- Larnøy E, Karaca A, Gobakken LR, Hill C. 2018. Polyesterification of wood using sorbitol and citric acid under aqueous conditions. *International Wood Products Journal* **9(2)**: 66-73.
- Lee S, Tahir P, Lum W. 2020. A Review on citric acid as green modifying agent and binder for wood. *Polymers*, **12**, 1692
- Lempang M. 2016. Pemanfaatan lignin sebagai bahan perekat kayu. *Info Teknis EBONI*, **13(2)**: 139-150
- Lin CF, Karlsson O, Jones D, and Sandberg D. 2022. Bio-based adhesive derived from citric acid and sorbitol for wood-composite manufacture. *Wood Material Science & Engineering*, **17(5)**: 397-399.
- Malanit P, Frühwald A, and Barbu M. (2011). Physical and mechanical properties of oriented strand lumber made from an Asian Bamboo (*Dendrocalamus asper* Backer). *European Journal of Wood and Wood Products*, **69(1)**, 27-36.
- Maloney TM. 1993. Modern Particleboard and Dry Process Fiberboard Manufacturing. Miller Freeman Publications. San Fransisco

- Mutia T, Risdianto H, Sugesty S, Hardiani H, dan Kardiansyah T. 2016. Optimalisasi penggunaan serat dan pulp bambu tali (*Gigantochloa apus*) untuk papan serat. *Arena Tekstil*, **31(2)**: 63-74
- Ndazi B, Tesha JV, Bisanda ET. 2006. Some opportunities and challenges of producing bio-composites from non-wood residues. *Journal of materials science*, **41(21)**: 6984-6990.
- Rahmawati, Baharuddin, Purtanto B. 2019. Potensi dan Pemanfaatan Bambu Tali (*Gigantochloa apus*) di Desa Leu Kecamatan Bolo Kabupaten Bima. *Jurnal Perennial*, **15(1)**: 27-31
- Rofii M, Yamamoto N, Ueda S, Kojima Y, Suzuki S. 2014. The temperature behaviour inside the mat of wood-based panel during hot pressing under various manufacturing conditions. *Journal of Wood Science*, **60**: 414-420.
- Rosenfeld C, Rindler PS, Kronlachner W, et al. 2022. Effect of mat moisture content, adhesive amount and press time on the performance of particleboards bonded with fructose-based adhesives. *Materials* **15**, 8701
- Ruhendi S, Koroh D, Syamani F, Yanti H, Nurhaida S, Sucipto T. 2007. Analisis Perekatan Kayu. Fakultas Kehutanan, Institut Pertanian Bogor, Jawa Barat.
- Shmulsky R and Jones PD. 2015. Forest Products and Wood Science An Introduction: Sixth Edition. John Willey & Sons. Hoboken.
- Sitorus M, Widyorini R. 2024. Pengaruh waktu kempa dan jumlah perekat asam sitrat pati-garut terhadap karakteristik papan unta bambu apus. Skripsi (Tidak dipublikasikan). Fakultas Kehutanan Universitas Gadjah Mada.
- Sravan T and Spandana K. 2021. Sorbitol-it's applications in different fields. agriculture & food: *E-Newsletter*, **3(3)**: 197-18
- Structural Board Association (SBA). 2005. Oriented strand board in wood frame construction. Surrey BC: SBA.

- Sukmaningrum R, Widyorini R. 2023. Pengaruh lama waktu pengeringan pendahuluan dan metode pengempaan terhadap sifat papan partikel bambu apus. Skripsi (Tidak dipublikasikan). Fakultas Kehutanan Universitas Gadjah Mada
- Sulastiningsih IM, Indrawan D, Balfas J, Santoso A, dan Iskandar M. 2017. Sifat Fisis dan mekanis papan untai berarah dari bambu tali (*Gigantochloa apus* (J.A. & J.H. Schultes) Kurz). *Jurnal Penelitian Hasil Hutan*, **35(3)**: 197-209
- Sulastiningsih IM, Trisatya D, Indrawan DA, Supriadi A, Aini E, *et al.* 2024. Properties of oriented strand boards made from two Indonesian bamboo species at different pressure levels and strand lengths. *Bioresources*, **19(2)**: 2863-2882
- Syamani FA, Kusumah SS, Astari L, *et al.* 2018. Effect of pre-drying time and citric acid content on *Imperata cylindrica* particleboards properties. In *IOP Conference Series: Earth and Environmental Science*, **209(1)** IOP Publishing.
- Thoemen H, Irle M, and Semek M. 2010. Wood-Based Panels- an Introduction for Specialists. Brunel University Press, London, England.
- Umemura K, Sugihara O, Kawai S. 2013. Investigation of a new natural adhesive composed of citric acid and sucrose for particleboard. *J Wood Sci* **59**: 203-208.
- Umemura K, Sugihara O, and Kawai S. 2014. Investigation of A New Natural Adhesive Composed of Citric Acid and Sucrose for Particleboard II: Effects of Board Density and Pressing Temperature. *Journal Wood Science*. **61(1)**, 40-44
- Walker J. 2006. Primary Wood Processing Principles and Practice. Springer, The Netherlands.
- Widjaja EA. 2019. The Spectacular Indonesian Bamboos. Jakarta: Polagrade

- Widyorini R, Prayitno TA, Yudha AP, Setiawan BA, Wicaksono B. 2012. Pengaruh konsentrasi asam sitrat dan suhu pengempaan terhadap kualitas papan partikel dari pelepah nipah. *Jurnal Ilmu Kehutanan* **VI(1)**: 61-70
- Widyorini R, Umemura K, Kusumaningtyas AP, Prayitno TA. 2017. Pengaruh penambahan pati terhadap sifat papan partikel berikatan asam sitrat dari bambu, *BioRes.* **12(4)**, 8068-8077.
- Widyorini R, Umemura K, Septiano A, et al. 2018. Manufacture and properties of citric acid-bonded composite board made from salacca frond: Effects of Maltodextrin Addition, Pressing Temperature, and Pressing Method. *BioResources*:**13(4)** 8662-8676.
- Wulandari FT. 2019. Sifat fisika bambu tali (*gigantochloa apus*) berdasarkan arah aksial. *Jurnal Sangkareang Mataram*, **5 (1)**: 23-27
- Wulandari FT. 2020. Karakteristik sifat fisika bambu tali (*Gigantochloa apus* Kurz), sebagai bahan baku bambu kerajinan. *Jurnal Belantara*, **3 (1)**: 69-78
- Xu W, Winistorfer PM, dan Moschler WW. 1996. A procedure to determine water absorption in wood composite panels. *Wood and Fiber Science*, **60 28 (3)**, 286–294.
- Zhao H, Wang J, Meng Y, Li Z, Fei B, Das M, Jiang Z. 2022. Bamboo and rattan: nature-based solutions for sustainable development. *Innovation* **3 (6)**, 100337.