

DAFTAR PUSTAKA

- Ahmed, S., Bakay, R., & Shrive, N. G. (2009). Bond strength of FRP laminates to concrete : state-of-the-art review. *Structural Engineering*, 9, 45–61.
- Alade, A. A., Naghizadeh, Z., & Wessels, C. B. (2022). A new method for estimating wood failure percentage in adhesive-bonded shear specimens. *International Journal of Adhesion and Adhesives*, 112, 103028. <https://doi.org/10.1016/j.ijadhadh.2021.103028>
- Amchra, F. Z., Faiz, C. Al, Chaouqi, S., Khiraoui, A., Benhmimou, A., & Guedira, T. (2018). Effect of Stevia rebaudiana, sucrose and aspartame on human health : A comprehensive review. *Journal of Medicinal Plants Studies*, 6(1): 102-108.
- Amin, Y., Adji, R. P., Lubis, M. A. R., Nugroho, N., Bahtiar, E. T., Dwianto, W., & Karlinsari, L. (2023). Effect of glue spread on bonding strength, delamination, and wood failure of jabon wood-based cross-laminated timber using cold-setting melamine-based adhesive. *Polymers*, 15, 2–13.
- Apelblat, A. (2014). Citric Acid. Springer International.
- Apriyanti, D., & Fithriyah, N. H. (2013). Pengaruh suhu aplikasi terhadap viskositas lem rokok dari tepung kentang. *Konversi*, 2(2), 23–34.
- Apu, O., Pramatana, F., Purnama, M. M., & Sinaga, P. S. (2024). The morphology, standing stock and habitat distribution of several bamboo species in the Reok Sub-District, Manggarai Regency, East Nusa Tenggara Province, Indonesia. *Media Konservasi*, 29(73), 570–582.
- Arsad, E. (2015). The technology process and used of bamboo. *Jurnal Riset Industri Hasil Hutan*, 7(1), 45–52.
- Belatrix, N. N., Arnandha, Y., & Firmansyah, D. (2022). Analisis sifat mekanik lentur papan laminasi kombinasi bambu petung dan bambu ater. *Inersia*, 18(1), 54–61.
- BPS. (2024). Statistik Produksi Kehutanan 2023. Badan Pusat Statistik.
- Cahyono, T. D., Wahyudi, I., Priadi, T., & Febrianto, F. (2017). Kualitas kayu lapis dari finis bagian juvenil dan dewasa samama. *Ilmu Teknologi Kayu Tropis*, 5(2), 155–166. <https://doi.org/https://doi.org/10.51850/jitkt.v15i2.394.g336>
- Canavan, S., Richardson, D. M., Visser, V., Le Roux, J. J., Vorontsova, M. S., & Wilson, J. R. U. (2017). The global distribution of bamboos: Assessing correlates of introduction and invasion. *AoB PLANTS*, 9(1), 1–18. <https://doi.org/10.1093/aobpla/plw078>
- Crews, K. I., & Smith, S. T. (2006). Tests on frp-strengthened timber joints. *International Conference on FRP Composites in Civil Engineering*, 677–680.
- Darwis, A., Massijaya, M. Y., Nugroho, N., & Alamsyah, E. M. (2014). Karakteristik papan laminasi dari batang kelapa sawit (the characteristics of the laminated board of oil palm trunk). *Jurnal Ilmu Teknologi Kayu Tropis*, 2(2): 157–168.
- de Lima, D. M., Lima Júnior, H. C., & Medeiros, I. da S. (2023). Physical and mechanical properties of glued laminated bamboo. *BioResources*, 18(2), 3522–3539. <https://doi.org/10.15376/biores.18.2.3522-3539>
- Eggleston, G. (2008). Glycoscience: Sucrose and related oligosaccharides (B.

- Fraser-Reid, K. Tatsuta, & J. Thiem (eds.); 2nd ed.). Springer. <https://doi.org/10-1007/978-3-540-30429-6>
- Forest Products Laboratory. (2010). Wood handbook—Wood as an Engineering Material. General Technical Report FPL-GTR-190. In Fourth Pacific Area National Meeting of the Society. <https://doi.org/10.1520/stp45114s>
- Giraldo, G. A. G., Mantovan, J., Marim, B. M., Kishima, J. O. F., & Mali, S. (2021). Surface modification of cellulose from oat hull with citric acid using ultrasonication and reactive extrusion assisted processes. *Polysaccharides*, 2, 218–233.
- Gunawan, P. (2007). Pengaruh jenis perekat terhadap keruntuhan lentur balok laminasi galar dan bilah vertikal bambu petung. *Media Teknik Sipil*, 7(1), 13–20.
- Hartono, R., Iswanto, A. H., Sucipto, T., Cahyono, T. D., Dwianto, W., & Dermawan, T. (2019). The effect of glue spreads and adhesive type on quality of laminated board from oil palm trunk. *IOP Conf. Series: Earth and Environmental Science*, 012079. <https://doi.org/10.1088/1755-1315/260/1/012079>
- He, Y., Jin, X., Li, J., & Qin, D. (2024). Mechanical and fire properties of flame-retardant laminated bamboo lumber glued with phenol formaldehyde and melamine urea formaldehyde adhesives. *Polymers*, 16(6). <https://doi.org/10.3390/polym16060781>
- Hidayah, A. M., Sribudiani, E., & Somadona, S. (2022). Karakteristik glulam bambu betung (*Dendrocalamus asper*) menggunakan perekat styrofoam berdasarkan jumlah lapisan dan pola penyusunan. *Jurnal Ilmu-Ilmu Kehutanan*, 6(1), 24–30.
- Hutomo, A. P., Budi, A. S., & Mailani, T. (2017). Pengaruh perekat terlabur dan kadar ekstender terhadap keteguhan dan daya tahan rekat kayu lapis kapur (*Dryobalanops* spp). *Jurnal Hutan Tropis*, 1(1), 1–8.
- Irawati, I., & Saputra, A. (2012). Analisis statistik mekanika bambu petung (*Dendrocalamus asper*). *Simposium Nasional Rekayasa Dan Budidaya Bambu*.
- Jimenez, J. P., & Natividad, R. A. (2019). Development of arc-laminated bamboo lumber. *Philippine Journal of Science*, 148(1), 21–31.
- Jimenez, J. P., & Ramos, J. E. C. (2023). Gluing characteristics of giant bamboo using four commercial adhesives. *Philippine Journal of Science*, 152(5), 1809–1822. <https://doi.org/10.56899/152.05.22>
- Juningsih, E., Budi, A. S., & Sugiyarto, I. (2015). Kuat lekat tulangan bambu wulung takikan tipe u jarak 10 cm. *E-Jurnal Matriks Teknik Sipil*, 862–869.
- Kadivar, M., Gauss, C., Ghavami, K., & Savastano, H. (2020). Densification of bamboo: State of the art. *Materials*, 13(19), 1–25. <https://doi.org/10.3390/ma13194346>
- Kasmudjo. (2013). Rotan Dan Bambu (Kelapa, Kelapa Sawit, Nipah, Sagu Potensi Dan Daya Guna). Cakrawala Media.
- Khan, Z., Javed, F., Shamair, Z., Hafeez, A., Fazal, T., & Aslam, A. (2021). Current developments in esterification reaction: A review on process and parameters. *Journal of Industrial and Engineering Chemistry*. 103: 80-101

<https://doi.org/10.1016/j.jiec.2021.07.018>

- Khayal, O. M. E. S. (2020). Delamination phenomenon in composite laminated plates and beams. *Bioprocess Engineering*, 4(1), 9–16. <https://doi.org/10.11648/j.be.20200401.12>
- Khoo, P. S., Chin, K. L., Lee, C. L., H, P. S., & Hafizuddin, M. S. (2021). Effect of glue spreads on the structural properties of laminated veneer lumber from spindleless rotary veneers recovered from short rotation hevea plantation logs. *Polymers*, 13(21), 3799.
- Khotimah, K. (2014). Analisa teknis bambu laminasi sebagai material konstruksi pada lunas kapal perikanan. *Jurnal Teknik Perkapalan*, 2(1), 167–186.
- Kim, M., & Park, B.D. (2021). A method of measuring wood failure percentage of wood specimens bonded with melamine-urea-formaldehyde resins using image analysis. *Korean Wood Science and Technology*, 49(3), 274–282. <https://doi.org/https://doi.org/10.5658/WOOD.2021.49.3.274>
- Kusumah, S. S., Jayadi, Wibowo, D. T., Pramasari, D. A., Widyaningrum, B. A., Darmawan, T., Ismadi, Dwianto, W., & Umemura, K. (2020). Investigation of eco-friendly plywood bonded with citric acid - starch based adhesive. *IOP Conference Series: Earth and Environmental Science*, 460(1). <https://doi.org/10.1088/1755-1315/460/1/012009>
- Lei, H., Zhou, X., Pizzi, A., Du, G., & Xi, X. (2025). Recent developments in bioadhesives and binders. *Journal of Renewable Materials*, 13(2), 199–249. <https://doi.org/10.32604/jrm.2025.02024-0048>
- Lempang, M. (2016). Pemanfaatan lignin sebagai bahan perekat kayu. *Jurnal Buletin Eboni*, 13(2), 139–150.
- Li, X., Mou, Q., Ji, S., Li, X., Chen, Z., & Yuan, G. (2022). Effect of elevated temperature on physical and mechanical properties of engineered bamboo composites. *Industrial Crops and Products*, 189(498), 115847. <https://doi.org/10.1016/j.indcrop.2022.115847>
- Liang, S., & Fu, F. (2007). Comparative study on three dynamic modulus of elasticity and static modulus of elasticity for lodgepole pine lumber. *Journal of Forestry Research*, 18(4), 309–312. <https://doi.org/10.1007/s11676-007-0062-4>
- Liao, R., Xu, J., & Umemura, K. (2016). Low density sugarcane bagasse particleboard bonded and additive content. *BioResources*, 11(1), 2174–2185.
- Manik, P., Yudo, H., & Siahaan, F. A. (2017). Pengaruh susunan dan ukuran bilah bambu petung (*Dendrocalamus asper*) dan bambu apus (*Gigantochloa apus*) terhadap kekuatan tarik, kekuatan tekan dan kekuatan lentur untuk komponen konstruksi kapal. *Kapal*, 14(3), 94. <https://doi.org/10.14710/kpl.v14i3.16491>
- Mathlouthi, M., Reiser, P., Perez, S., Birch, G., Bubnik, Z., Clarke, M., Genotelle, J., Guilbert, S., & Godshall, M. (1995). *Sucrose: Properties and Applications*. Springer Science & Business Media.
- Melani, A., Herawati, N., & Kurniawan, A. F. (2018). Bioplastik pati umbi talas melalui proses melt intercalation (kajian pengaruh jenis filler, konsentrasi filler dan jenis plasticiezer). *Distilasi*, 2(2), 53–67.
- Muharam, T., Fitriani, D., Fataya, D., Jannah, M., Zidan, M., Ghifari, A., & Sihombing, R. P. (2022). Karakteristik daya serap air dan biodegradabilitas

- pada bioplastik. *Prosiding Seminar Nasional Aplikasi Sains & Teknologi (SNAST)*, 35–49.
- Mulyono, A., Kubo, M., Fumio Terauchi, & Tauchi, T. (2017). Investigation into laminated bamboo fabrication by small industry. *Journal of the Science of Design*, 1(2), 31–40.
- Mulyono, T. (2021). *Bahan Bangunan dan Konstruksi* (1st ed.). Stiletto Indie Book.
- Murwindra, R., Sikumbang, S., Awaliddin, A., & Linggawati, A. (2016). Pengaruh suhu terhadap produksi asam levulinat dari inulin umbi dahlia (*Dahlia* Sp.). *Photon: Jurnal Sain Dan Kesehatan*, 7(01), 127–135. <https://doi.org/10.37859/jp.v7i01.573>
- Naafi, M. A., & Widyorini, R. (2025). Pengaruh suhu dan waktu pengempaan terhadap sifat papan untai bambu apus (*Gigantochloa apus*) dengan Perekat asam sitrat sorbitol. Skripsi (Tidak dipublikasikan). Fakultas Kehutanan, Universitas Gadjah Mada, Yogyakarta.
- Ndale, F. X. (2013). Sifat fisik dan mekanik bambu sebagai bahan konstruksi. *Jurnal Teknik Universitas Flores*, 7(2), 22–31.
- Niken, A., Adepristian, D., & Sumarno. (2013). Isolasi amilosa dan amilopektin dari pati kentang. *Teknologi Kimia Dan Industri*, 2(3), 57–62. <http://ejournal-s1.undip.ac.id/index.php/jtki>
- Ningsih, E., & Widyorini, R. (2015). Pengaruh suhu kempa dan komposisi perekat asam sitrat-pati terhadap sifat fisika mekanika papan partikel bambu petung. Skripsi (Tidak dipublikasikan). Fakultas Kehutanan, Universitas Gadjah Mada, Yogyakarta.
- Nisah, K. (2017). Study pengaruh kandungan amilosa dan amilopektin umbi-umbian terhadap karakteristik fisik plastik biodegradable dengan plastizicer gliserol. *Jurnal Biotik*, 5(2), 106–113.
- Nugroho, N., Bahtiar, E. T., & Lelono, A. B. (2012). Kekuatan bambu betung (*Dendrocalamus asper* Backer ex K. Heyne) menahan gaya normal tekanan dan tarikan. *Penelitian Hasil Hutan*, 40(1), 37–48. <https://doi.org/10.20886/jphh.2022.40.1.37>
- Oka, G. M. (2005). Analisis perekat terlabur pada pembuatan balok laminasi bambu petung. *Jurnal SMARTek*, 3(2), 93–100.
- Papandrea, S. F., Cataldo, M. F., Bernardi, B., Zimbalatti, G., & Proto, A. R. (2022). The predictive accuracy of modulus of elasticity (MOE) in the wood of standing trees and logs. *Forests*, 13(8), 1273. <https://doi.org/https://doi.org/10.3390/f13081273>
- Poletto, M., Zattera, A. J., Forte, M. M. C., & Santana, R. M. C. (2012). Thermal decomposition of wood: Influence of wood components and cellulose crystallite size. *Bioresource Technology*, 109, 148–153. <https://doi.org/10.1016/j.biortech.2011.11.122>
- Prajapati, G., & Dua, S. (2021). A critical review of bamboo as a building material for sustainable development. *Journal of Sustainable Construction Engineering and Project Management*, 4(3), 1–8.
- Prayitno, T. A. (2012). *Perekatan kayu*. Fakultas Kehutanan Universitas Gadjah Mada.
- Priyanto, A., & Yasin, I. (2019). Utilization of petung bamboo lamination for

- building materials. *Jurnal Science Tech*, 5(2), 23.
- Putra, R. B., Pebriadi, Sribudiani, E., & Somadona, S. (2022). Karakteristik glulam bambu apus (*Gigantochloa apus*) menggunakan perekat styrofoam berdasarkan jumlah dan pola penyusunan lapisan. *Jurnal Ilmu-Ilmu Kehutanan*, 6(1), 53–63.
- Putri, W. D. R., & Zubaidah, E. (2017). Pati: Modifikasi dan karakteristiknya. UBPress.
- Rachmah, S. (2012). Sintesis dan karakterisasi kopolimer pati sagu (sago starch) dengan agen crosslink asam sitrat. Skripsi. Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Jember.
- Rakočević, M., & Žugić, L. (2022). A new approach to the embedding of delamination in the layerwise theory of laminated composite plates. *Symmetry*, 14(8). <https://doi.org/10.3390/sym14081583>
- Risnasari, I., Azhar, I., & Sitompul, A. (2012). Karakteristik balok laminasi dari batang kelapa (*Cocos Nucifera* L.) dan kayu kemiri (*Aleurites Moluccana* Wild.). *Foresta*, 1(2), 79–87.
- Ruhendi, S., Koroh, D. N., Syamani, F. A., Yanti, H., Nurhaida, Saad, S., & Sucipto, T. (2007). Analisis perekatan kayu. Fakultas Kehutanan Institut Pertanian Bogor.
- Rusli, L., Amelia, C., Soetaredjo, F. E., & Indraswati, N. (2007). Pemanfaatan umbi gadung sebagai bahan baku perekat. *Widya Teknik*, 6(1), 11–20.
- Santoso, M., Widyorini, R., Prayitno, T. A., & Sulisty, J. (2016). Kualitas papan partikel dari pelepah nipah dengan perekat asam sitrat dan sukrosa. *Jurnal Ilmu Kehutanan*, 10(2), 129. <https://doi.org/10.22146/jik.16514>
- Santoso, M., Widyorini, R., Prayitno, T. A., Sulisty, J., & Hamidah, N. (2020). Effect of pressing temperatures on bonding properties of sucrose-citric acid for nipa palm fronds particleboard. *Wood Research*, 65(5), 747–756. <https://doi.org/doi.org/10.37763/wr.1336-4561/65.5.747756>
- Setiarto, H. B., & Karo, M. B. (2020). Pengantar Biokimia Klinis (Guepedia (ed.); 1st ed.). Guepedia.
- Setyo, N. I., Satyarno, I., Sulisty, D., & Prayitno, T. A. (2014). Sifat mekanika bambu petung laminasi. *Dinamika Rekayasa*, 10(1), 6–13.
- Sewar, Y., Amran, M., Avudaiappan, S., & Gamil, Y. (2024). Bonding strength performance of bamboo-based composite materials : An in-depth insight for sustainable construction applications. *Heliyon*, 10(13), 32155. <https://doi.org/10.1016/j.heliyon.2024.e32155>
- Sitorus, M. K. ., & Widyorini, R. (2024). Pengaruh waktu kempa dan jumlah perekat asam sitrat-pati garut terhadap karakteristik papan untai bambu apus. Skripsi (Tidak dipublikasikan). Fakultas Kehutanan, Universitas Gadjah Mada, Yogyakarta.
- Somadona, S., Sribudiani, E., & Valencia, D. E. (2020). Karakteristik balok laminasi kayu akasia (*Acacia mangium*) dan meranti merah (*Shorea leprosula*) berdasarkan susunan lamina dan berat labur perekat styrofoam. *Wahana Foresta*, 15(2), 53–64. <https://doi.org/10.31849/forestra.v15i2.5039>
- 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, Yogyakarta.
- Sulastiningsih, I. M., Ruhendi, S., Massijaya, M. Y., Darmawan, I. W., & Santoso, A. (2012). Effects of nodes on the properties of laminated bamboo lumber. *Wood Research Journal*, 4(1), 19–24.
- Sulatiningsih, I. M., Nurwati, & Santoso, A. (2005). Pengaruh lapisan kayu terhadap sifat bambu lamina. *Jurnal Penelitian Hasil Hutan*, 23(1), 15–22.
- Sulistyawati, I., Nugoho, N., Suryokusumo, S., & Hadi, Y. S. (2008). Kekakuan dan kekuatan lentur maksimum balok glulam dan utuh kayu akasia. *Jurnal Teknik Sipil*, 15(3), 113–122. <https://doi.org/10.5614/jts.2008.15.3.3>
- Sun, S., Zhao, Z., & Umemura, K. (2019). Further exploration of sucrose-citric acid adhesive: Synthesis and application on plywood. *Polymers*, 11(11). <https://doi.org/10.3390/polym11111875>
- Syahbanu, F., Napitupulu, F. I., Septiana, S., & Aliyah, N. F. (2023). Struktur pati beras (*Oryza sativa* L.) dan mekanisme perubahannya pada fenomena gelatinisasi dan retrogradasi. *Agrointek*, 17(4), 755–767. <https://doi.org/10.21107/agrointek.v17i4.15315>
- Syaifudin, T. N., Irawati, I. S., & Awaludin, A. (2022). Shear and bending performance of horizontal laminated bamboo lumber bonded with urea-formaldehyde and preserved with deltamethrin. *ASEAN Engineering Journal*, 12(4), 41–49. <https://doi.org/10.11113/aej.V12.18301>
- Tarigan, R. O., Sucipto, T., & Hartono, R. (2014). Variasi pelapis luar dan berat labur perekat phenol formaldehida terhadap kualitas papan lamina dengan inti dari batang kelapa sawit. *Peronema Forestry Science Journal*, 4(1), 1–9.
- Umemura, K., Sugihara, O., & Kawai, S. (2013). Investigation of a new natural adhesive composed of citric acid and sucrose for particleboard. *Journal of Wood Science*, 59(3), 203–208. <https://doi.org/10.1007/s10086-013-1326-6>
- Wahyudi, A., Prayitno, T. A., Widyorini, R., & Sutapa, J. P. G. (2019). Effects of pine wood and petung bamboo fibres addition on quality of mahang medium density fibreboard using malic acid adhesive. *Jurnal Penelitian Hasil Hutan*, 37(2), 81–92.
- Widiati, K. Y., Simanjuntak, A. J., Handayani, S. A., & Karmini. (2024). Keteguhan lengkung statis dan geser rekat kayu laminasi jenis karet (*Hevea brasiliensis*) berdasarkan variasi waktu tekan. *ULIN: Jurnal Hutan Tropis*, 8(1), 248–254. <https://doi.org/10.32522/ujht.v8i1.14263>
- Widiati, K. Y., Suprptono, B., & Tripratono, A. B. Y. (2018). Karakteristik sifat fisika dan mekanika kayu lamina kombinasi jenis kayu sengon (*Paraserianthes falcataria* (L.) Nilsen) dan jenis kayu merbau (*Intsia* spp.). *Jurnal Hutan Tropika*, 16(1), 93–97. <https://doi.org/10.13057/biodiv/d1601xx>
- Widiyanto, A. (2011). Kualitas papan partikel kayu karet (*Hevea brasiliensis* Muell. Arg) dan bambu tali (*Gigantochloa apus* Kurz) dengan perekat likuida kayu. *Jurnal Penelitian Hasil Hutan*, 29(4), 301–311. <https://doi.org/10.20886/jphh.2011.29.4.301-311>
- Widjaja, E. A. (2019). The Spectacular Indonesian Bamboos. PT. Gudang Garam.
- Widyorini, R., Umemura, K., Isnani, R., Putra, D. R., Awaludin, A., & Prayitno, T. A. (2016). Manufacture and properties of citric acid-bonded particleboard

- made from bamboo materials. *European Journal of Wood and Wood Products*, 74(1), 57–65. <https://doi.org/10.1007/s00107-015-0967-0>
- Widyorini, R., Umemura, K., Kusumaningtyas, A. R., & Prayitno, T. A. (2017). Effect of starch addition on properties of citric acid-bonded particleboard made from bamboo. *BioResources*, 12(4), 8068–8077. <https://doi.org/10.15376/biores.12.4.8068-8077>
- Wilpiszewska, K., Krzysztof, A., & Magdalena, A. (2019). The effect of citric acid on physicochemical properties of hydrophilic carboxymethyl starch - based films. *Journal of Polymers and the Environment*, 27(6), 1379–1387. <https://doi.org/10.1007/s10924-019-01436-9>
- Wulandari, F., Habibi, & Ningsih, R. (2022). Karakteristik sifat fisika dan mekanika papan laminasi bambu petung (*Dendrocalamus asper*. Backer) dengan susunan bilah ke arah tebal. *Jurnal Hutan Tropika*, 17(2), 229–236.
- Wulandari, F. T. (2021). Pengaruh berat labur perekat terhadap sifat fisika papan laminasi bambu petung (*Dendrocalamus asper* (Schult. f.) Backer ex Heyne). *Media Bina Ilmiah*, 16(3), 6457–6464.
- Wulandari, F. T., & Amin, R. (2022). Sifat fisika dan mekanika papan laminasi kayu sengon. *Jurnal Hutan Tropika*, 17(1), 40–50.
- Wulandari, F. T., & Latifah, S. (2022). Karakteristik sifat fisika dan mekanika papan laminasi kayu bayur (*Pterospermum diversifolium*) sebagai bahan substitusi papan solid. *Wahana Forestra*, 17(2), 177–191. <https://doi.org/10.31849/forestra.v17i2.9362>
- Wulandari, F. T., Lestari, D., & Amin, R. (2023). Sifat fisika mekanika papan laminasi kombinasi kayu sengon bambu petung dan kayu rajumas bambu petung. *Daun*, 10(2), 158–170.
- Wulandari, P. R., Hakim, L., & Sucipto, T. (2015). Kualitas laminasi bambu betung (*Dendrocalamus asper*) pada berbagai perlakuan ukuran sortimen dan buku bambu. *Peronema Forestry Science Journal*, 4(4), 65–71.
- Yang, B., Wu, X., Hao, J., Xu, D., Liu, T., & Xie, Q. (2023). Estimation of wood failure percentage under shear stress in bamboo-wood composite bonded by adhesive using a deep learning and entropy weight method. *Industrial Crops & Products*, 197, 1–14. <https://doi.org/10.1016/j.indcrop.2023.116617>
- Yoresta, F. S. (2015). Modulus elastisitas dan kekuatan lentur balok kayu laminasi. *Rekayasa Sipil*, 11(1), 40–43.
- Zhao, Z., Sakai, S., Wu, D., Chen, Z., Zhu, N., Huang, C., Sun, S., Zhang, M., Umemura, K., & Yong, Q. (2019). Further exploration of sucrose-citric acid adhesive: Investigation of optimal hot-pressing conditions for plywood and curing behavior. *Polymers*, 11(12), 1–14. <https://doi.org/10.3390/polym11121996>