

DAFTAR PUSTAKA

- Abubakari, A., S. Avramidis, L.C. Oliveira. 2012. Impact of radio frequencing heating pre-treatment on the kiln drying characteristics of sub-alpine fir. *European Journal of wood products* 70: 245-251
- Anonim, 2010. Analisis keanekaragaman flora di bawah tegakan Pinus merkusii dan Pengaruhnya Terhadap Kondisi Hidrologis. U.Pandang: Balai Teknologi Pengelolaan DAS Ujung Pandang.
- ANSI/APA. (2012). ANSI/APA PRG 320- 2012 American National Standard: Standard for Performance-Rated Cross-Laminated Timber. Washington: APA The Engineered Wood Association.
- Alrasjid H; D.Natawiria dan A.Ng. Gintings. 1983. Pembinaan Hutan Pinus Khususnya Pinus merkusii Untuk Penghara Industri. Pusat Litbang Hasil Hutan dan Perum Perhutani 27-28 Juli 1983. Simpo Pinus'83 Proceeding. Jakarta.
- Avramidis, S., Lazarescu, C., & Rahimi, S. (2023). Basics of wood drying. In P. Niemz et al. (Eds.), *Springer Handbook of Wood Science and Technology* (Chapter 13). Springer Nature. https://doi.org/10.1007/978-3-030-81315-4_13
- Badan Pusat Statistik. 2024. Produksi Kayu Indonesia Terus Meroket Sepanjang Lima Tahun Terakhir. Jakarta: BPS. Diambil dari <https://data.goodstats.id/statistic/produksi-kayu-indonesia-terus-meroket-sepanjang-5-tahun-terakhir-Z1Pke>. Diakses Maret 2025.
- Basri, E. 2000. Teknik Pengeringan Empat Jenis Kayu Diameter Kecil, Asal Hutan Tanaman. *Buletin Penelitian Hasil Hutan*, Vol 17 No 4. Bogor.
- Bond, B.H., Espinoza, O. A Decade of Improved Lumber Drying Technology. *Curr Forestry Rep* 2, 106–118 (2016). <https://doi.org/10.1007/s40725-016-0034-z>.
- Bowyer, J.L., R. Shmulsky, J.G. Heygreen. 2003. *Forest Products and Wood Science: Introduction*. Iowa State. Iowa.
- Brandner, R., Flatscher, G., Ringhofer, A., Schickhofer, G., & Thiel, A. (2016). Cross Laminated Timber (CLT): Overview and Development. *European Journal of Wood and Wood Products* VO - 74, (3), 331. <https://doi.org/10.1007/s00107-015-0999-5>

- Budiaman, A dan P. Komalasari. 2011. Waste of felling and on-site production of teakwood squarewood of the community forest. *Jurnal Manajemen Hutan Tropika* 18(3):164-168.
- Carlsson, P., J. Arvidsson. 2000. Optimized wood drying. *Journal of Drying Technology* 18(8): 1779-1796.
- Cheng, T., Li, D., Avramidis, S., Wählinder, M. E. P., & Zhou, D.-g. (2017). Response of hygroscopicity to heat treatment and its relation to durability of thermally modified wood. *Construction and Building Materials*, 144, 671-676. <https://doi.org/10.1016/j.conbuildmat.2017.03.083>.
- Dahlian E. dan Hartoyo, 1997. Komponen Kimia Terpentin dari Getah Tusam (Pinus merkusii) Asal Kalimantan Barat. *Info Hasil Hutan Vol.4. Nomor 1. Badan Penelitian dan Pengembangan Kehutanan. Pusat Penelitian dan Pengembangan Hasil Hutan dan Sosial Ekonomi Kehutanan. Pp.38-44.*
- Hadjib, N., Racman, O. 2008. *Daur Teknis Pinus Tanaman Untuk Kayu Pertukangan Berdasar Sifat Fisis dan Mekanis. Pusat Litbang Hasil Hutan. Bogor.*
- Hajian, E., Huber, J. A. J., Hansson, L., & Sandberg, D. (2024). High temperature drying of sawn timber—A review. *Drying Technology*, 42(11), 1397–1414. <https://doi.org/10.1080/07373937.2024.2365858>
- Harahap, R. dan Aswandi. 2006. *Pengembangan dan Konservasi Tusam (Pinus merkusii Junget de Vriese). Bogor: Pusat Litbang Hutan dan Konservasi Alam.*
- Harahap, R. M. S. dan E. Izuddin. 2002. *Konifer di Sumatera Bagian Utara. Konifera. PematangSiantar. No.1/XVII:66-67.*
- Hildebrand, R. 1970. *Kiln Drying of Sawn Timber. Nuertingen: Robert Hildebrand.*
- Høibø, O., Hansen, E., & Nybakk, E. (2015). Building Material Preferences with A Focus on Wood in Urban Housing: Durability and Environmental Impacts. *Canadian Journal of Forest Research*, 45(11), 1617–1627. Retrieved from 10.1139/cjfr-2015- 0123.
- Hwang, S., & Lee, S. (2021). "Mechanical Properties of Laminated Wood Products". *Wood Materials Science and Engineering*, 16(4), 225-236.
- Indrajaya. Y dan W.Handayani. 2008. *Potensi hutan Pinus merkusii Jungh et de Virese sebagai pengendali tanah longsor di Jawa. Info Hutan, 5 (3) 2008. Bogor: Pusat Litbang Hutan dan Konservasi Alam.*

- Jansen, P., & van der Meer, R. (2019). "The Role of Sustainable Forestry in Global Wood Markets". *Journal of Wood Science*, 65(2), 123-134.
- Langrish, T. Dan J.C.F. Walker. 2006. Drying of Timber. Wood Primary Processing, Walker, J.C.F (ed.), Dordrecht: Springer.
- Lehmann, S. (2012). Sustainable Construction for Urban Infill Development Using Engineered Massive Wood Panel Systems. *Sustainability*, 4, 2707–2742. <https://doi.org/10.3390/su4102707>.
- Lehmann, S. (2013). Low Carbon Construction Systems Using Prefabricated Engineered Solid Wood Panels for Urban Infill to Significantly Reduce Greenhouse Gas Emissions. *Sustainable Cities and Society*, 6, 57– 67. <https://doi.org/http://dx.doi.org/10.1016 /j.scs.2012.08.004>.
- Lianbai, G. (2007). Recent Research and Development in Wood Drying Technologies in China. *Drying Technology*, 25(3), 463–469. doi:10.1080/07373930601183900.
- Listyanto, T., K. Ando, H. Yamaguchi, N. Hattori. 2013. Microwave and steam injection drying of CO2 laser incised sugi lumber. *Journal of Wood Science* 59(4): 282-289.
- Listyanto, T. 2016. *Teknologi Pengeringan Kayu dan Aplikasinya di Indonesia*. Gadjah Mada University Press. Yogyakarta.
- Mangundikoro A. 1983. Pola dan Strategi Pengembangan Hutan Tanaman Pinus merkusii. Pusat Litbang Hasil Hutan dan Perum Perhutani 27-28 Juli 1983. Simpo Pinus'83 Proceeding. Jakarta.
- Nayha, A., Hetemäki, L., & Stern, T. (2014). New Products Outlook. In L. Hetemäki (Ed.), *What Science Can Tell Us Future of The European Forest-Based Sector: Structural Changes Towards Bioeconomy* (pp. 43–54). 4: European Forest Institute.
- Octavia. D. dan Supangkat, A.B. 2007. Kapasitas Infiltrasi Tanah Pada Berbagai Umur Pinus. *Info Hutan*, 4 (4) Tahun 2007. Bogor: Pusat Litbang Hutan dan Konservasi Alam.
- Perhutani. 2023. *Annual Report Perum Perhutani- Function Value Chain*. Jakarta: Perum Perhutani.
- Perhutani. 2023. *Kajian Market Share Produk Kayu dan Non Kayu Perhutani Tahun 2023*. Jakarta : Perum Perhutani.

- Perhutani. 2024. Rencana Jangka Panjang Perusahaan (RJPP) Perum Perum Perhutani Periode 2025-2029. Jakarta: Perum Perhutani.
- Perhutani. 2025. Laporan Penjualan Kayu KBM Komersial Kayu Jawa Timur Tahun 2025. Surabaya : Perhutani KBM Komersial Kayu Jawa Timur.
- Perré, P. (Ed.). (2007). *Fundamentals of wood drying*. A.R.BO.LOR.
- Plantamor. n.d. *Pinus merkusii* Jungh. & de Vriese. Diambil dari <https://plantamor.com/species/profile/pinus/merkusii#gsc.tab=0>. Diakses Maret 2025.
- Pratt, G.H. 1974. *Timber Drying Manual*. Department of the Building Research Establishment. London.
- Priadi, T. 2019. Profil Suhu dan Kadar Air Kayu dalam Pengeringan Oven Pemanas dan Gelombang Mikro. *Jurnal Ilmu dan Teknologi Kayu Tropis*, Vol 17 No 2. Bogor.
- Radio Republik Indonesia. 2024. Produk Lantai Kayu Indonesia Menembus Pasar Internasional. Jakarta: RRI. Diambil dari <https://www.rri.co.id/bisnis/796472/produk-lantai-kayu-indonesia-menembus-pasar-internasional>. Diakses Maret 2025.
- Rapley, L. (2013). Australia on “Cusp” of Transformation in Timber Building. Retrieved June 20, 2017, from <http://www.architectureanddesign.com.au/features/features-articles/australiaon-cusp-of-transformation-in-timberbuil>.
- Standar Nasional Indonesia (SNI) Nomor 8911:2020 tentang Pengukuran dan Penetapan Isi Kayu bundar.
- Teischinger, A., Avramidis, S., Hansmann, C., Mayrhofer, A. (2023). Sawn Timber Steaming and Drying. In: Niemz, P., Teischinger, A., Sandberg, D. (eds) *Springer Handbook of Wood Science and Technology*. Springer Handbooks. Springer, Cham. https://doi.org/10.1007/978-3-030-81315-4_23.
- Terazawa. 1965. Methods for easy determination of kiln drying schedules of wood. *Japan Wood Industry* 20: 216-226.
- Torgovnikov, G. dan P. Vinden. 2010. Microwave wood modification technology and its applications. *Forest Product Journal* 60 (2): 173-182.

- Vera Melinda, R. A. (2022). Analisis Morfologi Pinus (Pinus Merkusii Jungh. Et De Vriese) Studi Kasus: Lut Tawar dan Linge, Aceh Tengah. *JURNAL ILMIAH MAHASISWA PERTANIAN*, 796-804.
- Woodall, C. W., Ince, P. J., Skog, K. E., Aguilar, F. X., Keegan, C. E., Sorenson, C. B., ... Smith, W. B. (2011). An Overview of The Forest Products Sector Downturn in The United States. *Forest Products Journal*, 61(8), 595–603. Retrieved from https://www.nrs.fs.fed.us/pubs/jrnl/2012/nrs_2012_woodall_006.pdf.
- Wang, L., Toppinen, A., & Juslin, H. (2014). Use of Wood in Green Building : A Study of Expert Perspectives from The UK. *Journal of Cleaner Production*, 65, 350–361. <https://doi.org/10.1016/j.jclepro.2013.08.023>.
- Wijayanto, A., Muhamad, S., Nurhanifah., Anggiriani, S. 2024. Pengaruh Proses *Bleaching* Terhadap Sifat Fisis dan Mekanis Kayu Pinus (Pinus Sp.) Terserang Blue Stain. *Jurnal Tengawang*, Vol. 14 (1): 1 - 9. Pontianak.