

DAFTAR PUSTAKA

- Aji, H. P. 2016. Evaluasi kesehatan tanaman uji keturunan panggal buaya (*Zanthoxylum rhetsa* (Roxb.) DC.) umur 6 tahun di petak 17 Wanagama I, Gunungkidul, Yogyakarta. Skripsi (Tidak dipublikasikan). Fakultas Kehutanan, Universitas Gadjah Mada, Yogyakarta.
- Alia, Syahirah, Anwar U. M. K, Paridah M. T., Nordahlia A. S., Hamdan H., Lee S. H. 2019. Effects of anatomical characteristics and wood density on surface roughness and their relation to surface wettability of hardwood. *Journal of Tropical Forest Science*. 30 (3) : 269-277.
- Alteyrac, J., Cloutier A., Zhang S. Y. 2006. Characterization of juvenile wood to mature wood transition age in black spruce (*Picea mariana*) at different stand densities and sampling heights. *Wood Science and Technology* 40 (2): 124–138.
- Arissusila, I Wayan, I Gusti Ayu N., dan I Putu Gede Padma Sumardiana. 2020. Dinamika Kerajinan Patung Kayu Dalam Mendukung Pariwisata Bali. *Jurnal Ilmu Agama & Kebudayaan*. Volume 20 (2) : 154-165.
- Bao, F. C., Jiang Z. H., Jiang X. M., Lu X. X., Luo X. Q., Zhang S. Y. 2001. Differences in wood properties between juvenile wood and mature wood in 10 species grown in China. *Wood Science and Technology* 35 (4): 363–375.
- Brown, W. H. 1920. *Minor Product of Philippine Forests*. Bureau of Forestry. Manila.
- Brown, H. P., A. J. Panshin, G. G. Forsaith. 1952. *Textbook Of Wood Technology*. Vol. II. The Physical, Mechanical, And Chemical Properties of The Commercial Wood Of The United States. Mc-Grow-Hill Book Company, New York
- Bowyer, J. L., Shmulsky R., Haygreen J. G. 2003. *Forest Products and Wood Science: An Introduction*. Fourth Edition. IOWA State University Press, Iowa (US).
- Casey, J. P. 1960. *Pulp and Paper : Chemistry and Chemical Technology*. Interscience. New York.
- Casey, J. P. 1980. *Pulp and Paper Chemistry and Chemical Technology*. Vol I: Pulping and Bleaching. 3rd Edition. Wild Interscience Publication, New York, U.S.A.
- Clark, A., Daniels, R. F., Jordan, L. 2006. Juvenile/Mature Wood Transition in Loblolly Pine as Defined By Annual Ring Specific Gravity, Proportion of Latewood, and Microfibril Angle. *Wood and Fiber Science*. Volume V, 38 (2).

- Damayanti, R., Balfas J., Basri E., Sulastiningsih, I. M., Martono G., Pari G., Sopandi A., Krisdianto M. 2017. Pengelompokan Jenis Kayu Perdagangan Indonesia. Forda Press, Bogor.
- Darmawan, W., Nandika D., Rahayu I., Fournier M., Marchal R. 2013. Determination of Juvenile and Mature Transition Ring for Fast Growing Sengon and Janod Wood. J. Indian Acad Wood Sci. Volume 10 (1): 39-47
- Darwis. A., Hartono R., Hidayat S. 2005. Persentase kayu teras dan kayu gubal serta penentuan kayu juvenil dan kayu dewasa pada lima kelas umur jati (*Tectona grandis*). Jurnal Ilmu Teknologi Kayu Tropis 3(1): 6–9.
- Desch, H. E. 1954. Manual of Malayan timbers. Malayan Forest Records No. 15, Vol. II. Malaya Publishing House LTD., Singapore.
- Efansyah, M. N. 2011. Prospek Usaha Bagi Hasil Penanaman Jati Unggul Nusantara (Studi Kasus pada Koperasi Perumahan Wanabhakti Nusantara di Kabupaten Bogor). Sekolah Pascasarjana Institut Pertanian Bogor. Bogor. 154 hal (tidak diterbitkan).
- Fengel, D. dan G. Wegener. 1995. Kayu: Kimia, Ultrastruktur, Reaksi-reaksi. Diterjemahkan oleh Hardjono Sastromidjojo. Gadjah Mada University Press. Yogyakarta.
- Ferreira, A. L., Severo ETD, Calonego F. W. 2011. Determination of fiber length and juvenile and mature wood zones from *Hevea brasiliensis* trees grown in Brazil. European Journal of Wood and Wood Products 69(4): 659-662.
- Fichtler, E., Worbes M. 2012. Wood anatomical variables in tropical trees and their relation to site conditions and individual tree morphology. IAWA Journal 33(2): 119-140.
- Flores, Fernanda A., A. Rosa Andres H., Theresa T., Carlos C. 2012. The wood of five species of *Zanthoxylum* L. (rutaceae) with distributin on Mexico. Journal Wood and Forest 18 (1) : 43-56.
- Fujiwara, S. and K. C. Yang. 2000. The relationship between cell length and ring width and circumferential growth rate in five Canadian species. IAWA J. 21: 335–345.
- Gamble, J. S. 1902. A Manual of Indian Timbers. Sampson Low, Marston & Company. London.
- Gryc, V., Vavrčik H., Horn K. 2011. Density of juvenile and mature wood of selected coniferous species. Journal of Forest Science. 57 (3): 123-130
- Hacke, U. 2015. The Hydraulic Architecture of Populus. Hlm. 103 – 132 dalam Hacke U. editor. Functional and Ecological Xylem Anatomy. Springer, Switzerland.

- Hanelt, P. and Institute of Plant Genetics and Crop Plant Research (Eds). 2001. Encyclopedia of Agricultural and Horticultural Crops. *Springer*. Heidelberg vol. 1 - 6, pp 37-16.
- Hardiyanto, E. B. 2008. Seed Collection and Handling Panggal Buaya *Zanthoxylum rhetsa* (Roxb) DC. Directorate General of Land Rehabilitation and Social Forestry Ministry of Forestry, Jakarta
- Hartati, R. A. 2010. Evaluasi uji keturunan panggal buaya (*Zanthoxylum rhetsa* (Roxb.) DC.) umur enam tahun di Sumber klampok, Buleleng, Bali. Tesis. (Tidak dipublikasikan). Fakultas Kehutanan, Universitas Gadjah Mada, Yogyakarta.
- Hartono, Rudi. 2006. Kayu Juvenil (Juvenile Wood). USU Repository.
- Haygreen J. G., Bowyer J. L. 1996. Hasil hutan dan ilmu kayu. Gadjah Mada University Press, Yogyakarta.
- Helinska, Raczkowska L. 1992. Vessel lumen and vessel density variability in cross section of oak trunk (*Quercus petraea* Liebl.). Journal Folia Forestalia Polonica. Series B (23) : 75 – 83.
- Hoadley, R. B. 2000. Understanding Wood: A Craftsman's Guide to Wood Technology. Taunton Press, Connecticut, Amerika.
- Honjo, K., Furukawa, I., Sahri, M. H. 2005. Radial Variation of Fiber Length Increment in *Acacia mangium*. IAWA Journal 26(30): 339-352.
- Hosseini, S., Naghdi R. 2004. Evaluation on juvenile period and fiber length variation of maple wood (*Acer velutinum* boiss). Journal Agricultural Science Natural Resource 11(2): 1–15.
- IAWA Committee. 1989. IAWA list of microscopical features for hardwood identification. International Association of Wood Anatomists at the Rijksherbarium, Leiden, The Netherlands.
- IAWA. 2008. Identifikasi Kayu: Ciri Mikroskopik untuk Identifikasi Kayu Daun Lebar. Badan Penelitian dan Kehutanan. Pusat Penelitian dan Pengembangan Hasil Hutan. Bogor.
- Kasmudjo. 1998. Beberapa Aspek Anatomi Kayu Dalam Kaitannya Dengan Kualitas Pulp dan Pemuliaan Pohon. Fakultas Kehutanan UGM, Yogyakarta.
- Kasmudjo. 2010. Panduan praktis: Teknik Jitu Memilih Kayu Untuk Aneka Penggunaan. Cakrawala Medis, Yogyakarta.
- Kasmudjo. 2012. Mebel dan Kerajinan. Cakrawala Media, Yogyakarta
- Laksono, Gilang D. dan Rahayu, Istie S. 2019. Penentuan Titik Transisi Kayu Juvenil ke Kayu Dewasa Pada Kayu Ganitri (*Elaeocarpus sphaericus* Schum). Bogor. Fakultas Kehutanan, Institut Pertanian Bogor.

- Lantican, C. 1975. Variability and Control of Wood Quality. Inagural Lecture. UPLB, Laguna.
- Lembaga Penelitian Hutan. 1972. Daftar Nama Pohon-pohonan Bali dan Lombok. Bagian Botani Hutan. Laporan No. 15. Lembaga Penelitian Hutan. Bogor. Tidak diterbitkan.
- Lemmens, R. H. M. J., Soerianegara, I., Wong, W.C. 1995. Plant Resources of South-East Asia No 5(2), Timber Trees: Minor Commercial Timbers. Prosea Foundation, Bogor.
- Lempang, M., Asdar M. 2006. Struktur anatomi, sifat fisik dan mekanik kayu palado (*Aglaia sp.*). Jurnal Penelitian Hasil Hutan 24(2): 171–181.
- Mandang, Y. I., dan Martawijaya. 1987. Pemanfaatan Jenis Kayu Kurang Dikenal. Prosiding Badan Penelitian dan Pengembangan Kehutanan, Bogor
- Mandang, Y. I. 1996. Pencarian Pengganti Kayu Jelutung (*Dyera spp.*) Untuk Bahan Baku Batang Pensil. Bulletin Penelitian Hasil Hutan 14(6): 211–230.
- Mandang, Y. I., Pandit I. K. N. 1997. Pedoman Identifikasi Kayu di Lapangan. Seri Manual Yayasan PROSEA, Bogor.
- Mandang, Y. I., Damayanti, R., Komar, T. E., Nurjanah, S. 2008. Pedoman Identifikasi Kayu Ramin dan Kayu Mirip Ramin. CV. Biografika, Bogor
- Marja-Sisko Ilvessalo-Pfäffli. 1995. Fiber Atlas. Springer, Berlin.
- Munawar, Ahmad. 2010. Analisis Nilai Tambah Dan Pemasaran Kayu Sengon Gergajian (Studi Kasus Di Kecamatan Cigudeg Kabupaten Bogor). Bogor. Fakultas Ekonomi Dan Manajemen, Institut Pertanian Bogor.
- Nugroho, W. D., Marsoem, S. N., Yasue, K., Fujikawa, T., Nakajima, T., Hayakawa, M., Funada, R. 2012. Radial Variations in the Anatomical Characteristics and Density of the Wood of *Acacia Mangium* of Five Different Provenances in Indonesia. Journal of Wood Science. Volume 58 (3): 185-194.
- Panshin, A. J., de Zeeuw C. 1980. Textbook of wood technology: structure, identification, properties, and uses of the commercial woods of The United States and Canada. Mc. Graw-Hill Book Company, New York, USA.
- Plavcová, L., Jansen S. 2015. The Role of Xylem Parenchyma In The Storage And Utilization Of Nonstructural Carbohydrates. Hlm. 209-234 dalam Hawke U, editor. Functional and Ecological Xylem Anatomy. Springer, Canada.
- Purwaning, D. P. dan I. Nurwanto. 2004. Informasi singkat benih: (*Zanthoxylum rhetsa* (Roxb.) D.C.) Indonesian Forest Seed Project. Bandung.

- Purwaning, D., 2009. Struktur Benih dan Dormansi pada Benih Panggal Buaya (*Zanthoxylum rhetsa* (Roxb.) D.C. Jurnal Manajemen Hutan Tropika. Volume 55 (2) : 66-74.
- Prawirohatmodjo, S. 1999. Struktur dan Sifat-Sifat Kayu, Jilid I Sifat-Sifat Makroskopis dan Identifikasi Kayu. Fakultas Kehutanan Universitas Gadjah Mada. Yogyakarta
- Prawirohatmodjo. 1999b. Struktur dan Sifat Kayu, Jilid III. Universitas Gadjah Mada, Yogyakarta.
- Rahman, M. 2005. Variations in volume and dimensions of rays and their effect on wood properties of teak. Wood and Fiber Science 37(3): 497–504.
- Rais, S. dan Suhirman. 1998. Penuntun Belajar Mengukir Kayu Bagi Pemula. Adicita KaryaNusa, Yogyakarta.
- Rana, V. S. and Blazquez M. A. 2010. Volatile constituents of the seed coat of *Zanthoxylum rhetsa* (Roxb.) DC. Journal of Essential Oil Research 22(5).
- Rulliaty, S. 1988. Kayu Panggal Buaya (*Zanthoxylum rhetsa* (Roxb.) DC.) sebagai Kayu Perpatungan. Jurnal Penelitian dan Pengembangan Kehutanan. Volume 4 (2): 26-27.
- Siska, G., Suprpto, B., dan Budiarto, E. 2010. Variasi Struktur Anatomi, Fisika, dan Mekanika Kayu Pupu Pelanduk (*Neoscortechinia kingie* HOOK. F.) (PAX HOFFM.) Famili Euphorbiaceae Dari Kalimantan Tengah. Jurnal Kehutanan Tropika Humida 3(2): 118-127.
- Siska, G., Bandi S., dan Edy Budiarto. 2012. Jurnal Kehutanan Tropika Humida. Volume 3 (2) : 118-126
- Shmulsky R. and Jones P. D. 2011. Forest products and wood science: an introduction sixth edition. John Wiley dan Sons Ltd, West Sussex, UK.
- Shmulsky R. and Jones P. D. 2019. Forest Products and Wood Science an Introduction (Seventh Ed). Wiley Blackwell
- Soenardi. 1978. Sifat-sifat Mekanika Kayu. Yayasan Pembina Fakultas Kehutanan Universitas Gadjah Mada. Yogyakarta. 36 h.
- Sosef, M. S. M., L. T. Hong, and S. Prawirohatmodjo. 1998. Timber Trees : Lesser Known Timber. Plant Resources of South East Asia. Volume 5 (3) : 597-599.
- Supartini, Kholik A. 2010. Variasi struktur anatomi berdasarkan tingkat ketinggian dan arah radial dari kayu meranti merah (*Shorea parvistipulara*). Jurnal Penelitian Dipterokarpa 4(1): 35–48.
- Tsoumis, G. 1991. Science and technology of wood. Van Nostrand Reinhold, New York.

- Yang, K. C. and Hazenberg G. 1994. Impact of spacing on tracheid length, relative density, and growth rate of juvenile wood and mature wood in *Picea mariana*. Canadian Journal of Forest Research 24(5): 996–1007.
- Yadav, A. K. and Tangpu V. 2009. Therapeutic efficacy of *Zanthoxylum rhetsa* DC extract against experimental *Hymenolepis diminuta* (Cestoda) infections in rats. J Parasit Dis 33(1-2).
- Zach, A., Schuldt B., and Brix S. 2010. Vessel diameter and xylem hydraulic conductivity increase with tree height in tropical rainforest trees in Sulawesi, Indonesia. Flora - Morphology, Distribution, Functional Ecology of Plants 205(8): 506–512
- Zobel, B. J. and van Buijtenen J. P. 1989. Wood Variation. Springer, Berlin, Heidelberg