DAFTAR PUSTAKA

Afrifah KA, Adjei-Mensah E. 2021. Anatomical and chemical characterization of *Alstonia boonei* for pulp and paper production. Les/Wood **70(2)**: 15 – 28. https://doi.org/10.26614/les-wood.2021.v70n02a02

Alia-Syahirah Y, Paridah MT, Hamdan H, dkk. 2019. Effects of anatomical characteristics and wood density on surface roughness and their relation to surface wettability of hardwood. Journal of Tropical Forest Science **31(3)**: 269-277. doi:http://dx.doi.org/10.26525/jtfs2019.31.3.269

Andianto, A. 2011 Perbandingan ciri anatomi kayu dan kulit 3 jenis pulai *(Alstonia* sp.). Jurnal Penelitian Hasil Hutan **29(4)**: 356-368.

Ashori, A, & Nourbakhsh, A. 2009. Studies on Iranian cultivated paulownia–a potential source of fibrous raw material for paper industry. European Journal of Wood and Wood Products **67(3)**: 323-327. https://doi.org/10.1007/s00107-009-0326-0

Bao F, Jiang Z, Jiang X dkk. 2001. Differences in wood properties between juvenile wood and mature wood in 10 species grown in China. Wood Science and Technology **35**: 363–375. https://doi.org/10.1007/s002260100099

Basri E, Rulliaty S. 2008. Pengaruh sifat fisik dan anatomi terhadap sifat pengeringan enam jenis kayu. Jurnal Penelitian Hasil Hutan, **26(3)**: 253-262. https://doi.org/10.20886/jphh.2008.26.3.253-262

BBPBPTH. 2013. Sekilas Tentang Kawasan Hutan Dengan Tujuan Khusus Wonogiri. Balai Besar Penelitian Bioteknologi an Pemuliaan Tanaman Hutan, Yogyakarta.

Beck CB. 2010. An Introduction to Plant Structure and Development: Plant Anatomy for the Twenty-first Century. Cambridge University Press, UK

Bisset IJW, Dadswell DE .1949. The variation of fibre length within one tree of *Eucalyptus regnans*, F.v.M., Australian Forestry **13(2)**: 86-96. https://doi.org/10.1080/00049158.1949.10675274

Bonnies Rollies Yoese MB, Setyawati D, Muflihati. 2019. Jenis tumbuhan hutan yang dimanfaatkan sebagai bahan kerajinan oleh suku Dayak Tamambaloh desa Labian kecamatan Batang Lupar kabupaten Kapuas Hulu. Jurnal Hutan Lestari **7(3)**: 1254-1263. http://dx.doi.org/10.26418/jhl.v7i3.37399

Carlquist S. 2001. Comparative Wood Anatomy Systematic: Ecological, and Evolutionary Aspects of Dicotyledon Wood. Springer, USA

Cetera K, Said Z, Boer F, et al. 2021. How Wood Identification Technologies Help Ensure Timber Legality in Indonesia. WRI Publications. http://doi.org/10.46830/wriwp.18.00084.

Chowdhury MQ, Ishiguri F, Hiraiwa T, dkk. 2012. Variation in anatomical properties and correlations with wood density and compressive strength in *Casuarina equisetifolia* growing in Bangladesh. Australian forestry **75(2)**: 95-99. https://doi.org/10.1080/00049158.2012.10676390

Darmawan W, Nandika D, Rahayu I, et al. 2013. Determination of juvenile and mature transition ring for fast growing Sengon and Jabon wood. Journal of

the Indian academy of wood science **10(1)**: 39-47. https://doi.org/10.1007/s13196-013-0091-x

Darmawan W, Rahayu IS, Padlinurjaji M,dkk. 2017. Pengerjaan Kayu: Ilmu-ilmu Penunjang dan Teknologi Proses. PT Penerbit IPB Press, Bogor.

Dutt D, Tyagi CH. 2011. Comparison of various Eucalyptus species for their morphological, chemical, pulp, and paper making characteristics. Indian Journal of Chemical Technology **18** :145-151

Elaieb MT, Shel F, Jalleli M, dkk. 2019. Physical properties of four ring-porous hardwood species: influence of wood rays on tangential and radial wood shrinkage. Madera y bosques **25(2)**. http://doi.org/10.21829/myb.2019.2521695

Eloy E, Trevisan R, dos Santos Piecha T, dkk. 2021. Anatomy and drying of wood of four species from an agroforestry system. FLORESTA **51(4)**: 910-917. https://doi.org/10.5380/rf.v51 i4. 74061

Ezell AW. 1979. Variation of cellular proportions in sweetgum and their relation to other wood properties. Wood and Fiber Science **11(2)**: 136-143.

Fajriani E, Ruelle J, Dlouha JA. 2013. Radial variation of wood properties of sengon (*Paraserianthes falcataria*) and jabon (*Anthocephalus cadamba*). Journal Indian Acad Wood Science **10**: 110-117. https://doi.org/10.1007/s13196-013-0101-z

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. https://doi.org/10.1163/22941932-90000084

Flora & Fauna Web. 2021. *Alstonia angustiloba* Miq. https://www.nparks.gov.sg/florafaunaweb/flora/2/7/2704 (diakses Oktober 2021).

Ghouse AKM, Yunus M. 1973. Some aspects of cambial development in the shoots of *Dalbergia sissoo* Roxb. Flora **162**: 549–558

Hacke U. 2015. The Hydraulic Architecture of Populus. Hlm. 103 – 132 dalam Hacke U, editor. Functional and Ecological Xylem Anatomy. Springer, Switzerland

Hamdan, H, Nordahlia AS, Anwar UMK, et al. 2020. Anatomical, physical, and mechanical properties of four pioneer species in Malaysia. Journal of Wood Science **66(1)**: 1-9. https://doi.org/10.1186/s10086-020-01905-z

Haygreen JG, Bowyer, JL. 1996. Hasil Hutan dan Ilmu Kayu: Suatu Pengantar. Gadjah Mada University Press, Yogyakarta

Heyne, K. 1987. Tumbuhan Berguna Indonesia III. Badan Penelitian dan Pengembangan Kehutanan. Departemen Kehutanan, Jakarta.

Hidajat, R. 2014. Fungsi dan proses pembuatan topeng di kabupaten Malang Jawa Timur. Dinamika Kerajinan dan Batik **31(1)**: 1-12

Hidayat S, Juhaeti T. 2013. Asosiasi *Alstonia* spp. di taman nasional ujung kulon. Bionatura-Jurnal Ilmu-ilmu Hayati dan Fisik **15(1)**: 44-48. ISSN 1411 – 0903.

Hoadley RB. 2000. Understanding Wood: A Craftsman's Guide to Wood Technology. Taunton Press, Connecticut, Amerika

IAWA. 1989. IAWA List of Microscopic Features For Hardwood. International Association of Wood Anatomists at the Rijksherbarium, Leiden, The Netherlands.

Ibisset IJW, Dadswell DE .1949. The variation of fibre length within one tree of *Eucalyptus regnans*, F.v.M., Australian Forestry **13(2)**: 86-96. https://doi.org/10.1080/00049158.1949.10675274

Ilvessalo-Pfäffli, MS. 1995. Fiber Atlas: Identification of Papermaking Fibers. Springer Science & Business Media, Berlin, Germany.

Irianto, RSB. 2015. pengaruh fungi mikorizaarbuskular terhadap pertumbuhan pulai hitam (*Alstonia angustiloba* Miq.) di persemaian dan lapangan. Jurnal Penelitian Hutan dan Konservasi Alam **12(2)**: 233-242

Ishiguri F, Hiraiwa T, Iizuka K, et al. 2009. Radial variation of anatomical characteristics in *Paraserianthes falcataria* planted in Indonesia. IAWA Journal **30(3)**: 343-352. https://doi.org/10.1163/22941932-90000223

Ishiguri F, Takeuchi M, Makino K, et al. 2012. Cell morphology and wood properties of *Shorea Acuminatissima* planted in Indonesia. IAWA Journal **33(1)**: 25-38. doi: https://doi.org/10.1163/22941932-90000077

Junior EU, Terziev N, Daniel G. 2009. Wood anatomy of three lesser known species from Mozambique. IAWA Journal **30(3)**: 277-291. https://doi.org/10.1163/22941932-90000219

Junior EU. 2010. Anatomy, drying behavior and mechanical properties of lesser used wood species from mozambique. Dissertation. SLU Service/Repro, Uppsala. ISBN 978-91-576-7511-8

Kasmudjo. 2012. Mebel dan Kerajinan. Cakrawala Media, Yogyakarta

Koch G, Haag V, Heinz I, et al. 2015. Control of internationally traded timber-the role of macroscopic and microscopic wood identification against illegal logging. Journal Forensic Research **6(6)**: 1000317. http://dx.doi.org/10.4172/2157-7145.100031

Larson PR. 1969. Wood formation and the concept of wood quality. Bulletin no. 74. New Haven, CT: Yale University, School of Forestry **54**: 1-54.

Leal S, Sousa V, Pereira H. 2007. Radial variation of vessel size and distribution in cork oak wood (*Quercus suber* L.). Wood Science Technology **41**: 339-350. https://doi.org/10.1007/s00226-006-0112-7

Lempang, M. (2016). Basic Properties and Potential Uses of Saling-saling Wood. Jurnal Penelitian Kehutanan Wallacea, **5(1)**: 79-90.

Liu Y, Zhou L, Zhu Y, et al. 2020. Anatomical features and its radial variations among different Catalpa bungei clones. Forests 11(8): 824. doi:10.3390/f11080824

Longui EL, Gondo C, Lima IL, et al. 2016. Some Properties of Astronium graveolens wood Along the Stem. Floresta e Ambiente 23(1): 142 - 149. http://dx.doi.org/10.1590/2179-8087.109714

Mandang YI, Pandit IKN. 1997. Pedoman Identifikasi Kayu di Lapangan. Seri Manual Yayasan PROSEA, Bogor.

Mandang YI, Suhaendra H. 2003. Sifat – sifat kayu nyatoh *(Palaquium obtusifolium* Burck.) sehubungan dengan kemungkinan penggunaannya sebagai bahan bilah pensil. Buletin Penelitian Hasil hutan **21(1)**: 1 – 14

Mandang YI. 1996. Pencarian pengganti kayu jelutong *(Dyera spp.)* untuk batang pensil. Jurnal Penelitian Hasil Hutan **14(6)**: 211 – 230

Mandang, Y., dan Martawijaya. 1987. Pemanfaatan Jenis Kayu Kurang Dikenal. Prosiding Badan Penelitian dan Pengembangan Kehutanan, Bogor.

Mansor H, Morris MD. 1989. Preliminary analysis of yield and composition of latex from *Alstonia angustiloba*. Journal of Tropical Forest Science **2(2)**: 142–149. http://www.jstor.org/stable/23616354

Marsoem SN, Feryanto H, Yamamoto H. 2013. Cell Proportion and Dimension of Sukun (Breadfruit) (Artocarpus communis FORST) Wood "A Potential Multipurpose Tree Species". Wood Research Journal **4(1)**: 1-6 https://doi.org/10.51850/wrj.2013.4.1.1-6

Martawijaya A, Kartasujana I, Kadir K, et al. 2005. Atlas Kayu Indonesia Jilid I (Edisi revisi). Pusat Pennelitian dan Pengembangan Hasil Hutan, Bogor

Mashudi, Adinugraha HA. 2014. Uji keturunan pulai darat (*Alstonia angustiloba* Miq.) untuk mendukung penyediaan sumber benih unggul. Jurnal WASIAN **1(1)**: 23-27

Morris H, Gillingham MA, Plavcova L, dkk. 2018. Vessel diameter is related to amount and spatial arrangement of axial parenchyma in woody angiosperms. Plant, Cell & Environment **41(1)**: 245-260. https://doi.org/10.1111/pce.13091

Munoz F, Moya R. 2008. Moisture content variability in kiln-dried Gmelina arborea wood: effect of radial position and anatomical features. Journal Wood of Science **54**: 318–322. https://doi.org/10.1007/s10086-008-0954-8

Ogata K, Fujii H, Baas P. 2008. Identification of the Timbers of Southeast Asia and the Western Pacific. Kaiseisha Press, Japan.

Ona T, Sonoda T, Ito K, et al. 2001. Investigation of relationships between cell and pulp properties in Eucalyptus by examination of within-tree property variations. Wood Science Technology **35(3)**: 229-243. https://doi.org/10.1007/s002260100090

Osaki M, Tsuji N. 2016. Tropical Peatland Ecosystem. Springer, Japan.

Pandit IKN, Nandika D, Darmawan IW. 2011. Analisis sifat dasar kayu hasil hutan tanaman rakyat. Jurnal Ilmu Pertanian Indonesia **16(2)**: 119-124.

Panshin AJ, De Zeeuw C. 1980. Textbook of Wood Technology. McGraw-Hill Book Co. IOWA

Pfautsch S, Renard J, Tjoelker MG, et al. 2015. Phloem as capacitor: radial transfer of water into xylem of tree stems occurs via symplastic transport in ray parenchyma. Plant physiology **167(3)**: 963-971. https://doi.org/10.1104/pp.114.254581

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.

Rizanti DE, Darmawan W, George B dkk. 2018. Comparison of teak wood properties according to forest management: short versus long rotation. Annals of Forest Science 75(39). https://doi.org/10.1007/s13595-018-0716-8

Rodda M, Middleton DJ. 2019. Apocynaceae. Flora of Singapore **13**: 421-30. https://doi.org/10.26492/fos13.2019-05

Ruffinatto F, Crivellaro A. 2019. Atlas of Macroscopic Wood Identification: with a special focus on timbers used in Europe and CITES-listed species. Springer. https://doi.org/10.1007/978-3-030-23566-6

Saito H, Koizumi A, Gaman S, et al. 2016. Toward forest restoration and sustainable use of wood resources in degraded peatland. Hlm. 513-549 dalam Osaki M, Tsuji N, editor.Tropical Peatland Ecosystems . Springer, Tokyo

Sekretariat Direktorat Jenderal Pengelolaan Hutan Lestari. 2021. Satuan Data Ditjen PHL: Produksi Kayu Olahan. https://phl.menlhk.go.id/infografis (diakses Desember 2021).

Sharma SK, Shukla SR., Shashikala S, dkk. 2015. Axial variations in anatomical properties and basic density of *Eucalypt urograndis* hybrid (*Eucalyptus grandis* × *E. urophylla*) clones. J. For. Res. **26**: 739–744. https://doi.org/10.1007/s11676-015-0080-6

Sidiyasa, K. 1956. Taxonomy, Phylogeny, and Wood anatomy of Alstonia (Apocynaceae). Tesis. Leiden University. Netherland

Simpson T. 1991. Properties of wood related to drying. Hlm. 1 – 43 dalam Simpson T, editor. Dry Kiln Operator's Manual. USDA, Madison, Wisconsin

Smulsky R, Jones PD. 2011. Forest Products and Wood Science: An Introduction (6^{th} ed). A John Wiley & Sons, Inc., Publication, UK

Soerianegara, Lemmens RHMJ. 1994. PROSEA volume 5/1: Timber Trees-Major Commercial Timbers. Plant Resources of South-East Asia (PROSEA), Bogor.

Species 2000 & ITIS Catalogue of Life. 2021. *Alstonia angustiloba* Miq. https://www.catalogueoflife.org/data/taxon/C8SP (diakses Oktober 2021).

Stange R, Buss, R, de Souza LM, et al. 2021. Variation of the technological properties of wood from *Ochroma pyramidale* in the longitudinal and radial sense of the slew. FLORESTA **51(4)**: 820-829. https://doi.org/10.5380/rf.v51 i4. 72952

Syofyan L, Maideliza T. 2019. variation of wood density and anatomical characters from altitude differences: case study of selected fabaceae trees in West Sumatra secondary forest Indonesia. KnE Engineering 190-203. https://doi.org/10.18502/keg.v1i2.4444

Tan, HTW, Choong MF, Chua KS, et al. 1997. A botanical survey of sungei buloh nature park Singapore. Garden Bulletin Singapore **49(1)**: 15-35

Tardif JC, Conciatori F. 2015. Microscopic examination of wood: Sample preparation and techniques for light microscopy. Hlm. 373 – 415 dalam Yeung ECT, Stasolla C, Sumner MJ, Huang BQ, editor. Plant Microtechniques and Protocols. Springer, London

Taylor FW, Wooten TE. 1973. Wood property variation of Mississippi delta hardwoods. Wood and Fiber Science **5(1)**: 2-13.

Tsuomis G. 1968. Wood as Raw Material: Source, Structure, Chemical Composition, Growth, Degradation and Identification. Wheaton & Co Exeter, UK

Tsuomis G. 1991. Science and Technology of Wood. Van Nostrand Reinhold, New York.

Turner IM, Yong JWH. 1997. The botany of the islands of mersing district, Johore, Peninsular Malaysia. 1. the plants and vegetation of pulau tinggi. Gardens' Bulletin Singapore **49(1)**: 119-141

Wheelar E, Baas P. 1998. Wood Identification -A Review. IAWA Journal 19:241-264. http://doi.org/10.1163/22941932-90001528

Wilson K, White DJB. 1986. The Anatomy of Wood, Its Diversity and Variability. Stobart, US.

Wu YQ, Hayashi K, Liu Y, et al. 2006. Relationships of anatomical characteristics versus shrinkage and collapse properties in plantation-grown eucalypt wood from China. Journal of Wood Science **52(3)**: 187-194. https://doi.org/10.1007/s10086-005-0751-6

Yahya R, Yansen, Tazuru-Mizuno S. 2020. fibre quality: length and slenderness ratio if fibre adjacent to small vessels of *Acacia mangium*. Journal of Tropical Forest Science **32(4)**: 355–360.

Zach A, Schuldt B, Brix S, et al. 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. https://doi.org/10.1016/j.flora.2009.12.008

Zobel B, Jett J. 1995. Genetics of Wood Production. Springer, Budapest.

Zobel BJ, van Buijtenen JP. 1989. Wood Variation. Springer, Berlin, Heidelberg.