

DAFTAR PUSTAKA

- 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 Sci Tech*, 35:363-375
- Bonham, V.A., Barnett, J.R. 2001. Fibre Length and Microfibril Angle in Silver Birch (*Betula pendula* Roth). *Holzforschung*, 55:159–162
- Bosman. 1996. Longitudinal Variation in Selected Wood Properties of Naturally and Plantation Grown Light Red Meranti (*Shorea leprosula* and *S. Parvifolia*, dipterocarpaceae). *IAWA Journal*, Vol. 17 (1) : 5-14
- Bowyer, J.L., Shmulsky, R., Haygreen, J.G. 2003. *Forest Products and Wood Science: An Introduction. Fourth Edition*. Iowa (US): Iowa State University Press, Ames.
- British Standard 373. 1957. *Standard Test for Small Clear Specimen*. England (GB): British Standard
- Departemen Pertanian Indonesia. 1976. *Vademecum Kehutanan Indonesia*. Direktorat Jenderal Kehutanan
- Direktorat Jenderal Planologi. 2017. Data dan Informasi Pemetaan Tematik Kehutanan Indonesia. Direktorat Inventarisasi dan Pemantauan Sumber Daya Hutan. Kementerian Lingkungan hidup dan Kehutanan
- Downes, G.M., Nyakuengama, J.G., Evans, R., Northway, R., Blakemore, P., Dickson, R.L., Lausberg, M. 2002. Relationship Between Wood Density, Microfibril Angle and Stiffness in Thinned and Fertilized Pinus Radiata. *IAWA Journal*, 23: 253-265
- Fernandes dan Saridan. 2013. Sifat Fisik dan Mekanik Kayu *Shorea macroptera Sandakanensis* (sym.) Ashton sebagai Bahan Baku Mebel. *Jurnal Penelitian Dipterokarpa*, 7(1)
- Fujiwara, S, Yang, K.C. 2000. The Relationships Between Cell Length and Ring Width and Circumferential Growth Rate in five Canadian species. *IAWA J*, 21:335-345

- FWI, GFW. 2001. Potret Keadaan Hutan Indonesia Tahun 2000. Bogor
- FWI. 2011. Potret Keadaan Hutan Indonesia Tahun 2000-2009. Bogor
- FWI. 2014. Potret Keadaan Hutan Indonesia Tahun 2009-2013. Bogor
- Hidayati, Isti, T.F., Muhammad, R.R., Widyanto, D.N., Sri, N.M., Mohammad, N.
2016. Sifat Fisika dan Mekanika Kayu Jati Unggul “Mega” dan Kayu Jati
Konvensional Yang Ditanam Di Hutan Pendidikan Wanagama,
Gunungkidul, Yogyakarta. *Jurnal Ilmu Kehutanan*, Vol.10 (2)
- Husein, N. 2004. Anatomi Kayu Palele (*castanopsis javanica*). *J. Ilmu &
Teknologi Kayu Tropis*, Vol. 2 (2)
- IAWA. 1989. *International Anatomist Wood Association List of Microscopic
Features for Hardwood Identification. Publisher for International
association of Wood Anatomist at The Rijksherbarium*. Lesden the
Nederlands.
- IFSP. 2002. Informasi Singkat Benih *Shorea leprosula* Miq. Direktorat
Perbenihan Tanaman Hutan Kerjasama dengan Indonesia Forest Seed
Project (IFSP) T. H. R. Ir. H. Juanda, Dago Pakar. Bandung.
- Izekor, D.N., Fuwape, J.A. 2011. Variations in the Anatomical Characteristics of
Plantation Grown *Tectona grandis* Wood in Edo State, Nigeria. *Scholars
Research Library. Arch. App. Sci. Res*, 3(1): 83-90
- Jorge F. Quilho, T., Pereira, H. 2000. Variability of Fibre Length in Wood and
Bark in Eucalyptus Globules. *IAWA J*, 21 (1): 41-48
- Leonardon, M., Altaner, C.M., Vihermaa, L., Jarvis, M.C. 2010. Wood Shrinkage:
Influence of Anatomy, Cell Wall Architecture, Chemical Composition and
Cambial Age. *Eur J Wood Prod*, 68:87-94
- Machado, J. S., José,L.L., António, J.A., Santos, L.N., Ofélia, A., José, R.,
Rogério, M.S., Simões, H.P. 2014. Variation of Wood Density and
Mechanical Properties of Blackwood (*Acacia melanoxylon* R. Br.).
Materials and Design, 975-980
- Marsoem, S. N. 1996. *Sifat-Sifat Kayu untuk Bahan Baku Industri*. Bahan Diktat
Kuliah Manager Industri Kayu. Fakultas Kehutanan Universitas Gadjah
Mada. Yogyakarta

- Marsoem, S.N. 2002. *Bahan Kuliah teknologi pulp dan kertas*. Yayasan Penerbitan Fakultas Kehutanan Universitas Gadjah Mada. Yogyakarta
- Marsoem, S.N. 2004. *Pembangunan Hutan Tanaman Acacia mangium Pengalaman di PT. Musi Hutan Persada Sumatera Selatan*. PT. Musi Hutan Persada. Sumatera Selatan
- Marsoem, S.N., Joko, S., Gentur, S. 2011. *Sifat-Sifat Dasar Kayu*. Yayasan Penerbitan Fakultas Kehutanan Universitas Gadjah Mada. Yogyakarta
- Marsoem, S.N., Joko, S., Gentur, S. 2012. *Sifat-Sifat Dasar Kayu*. Yayasan penerbitan fakultas kehutanan Universitas Gadjah Mada. Yogyakarta
- Martawijaya, A., Kartasujana, K., Prawira, S.A. 2005. *Atlas Kayu Indonesia Jilid I*. Bogor : Departemen Kehutanan Badan Penelitian dan Pengembangan kehutanan
- Mawazin, Suhaendi, H. 2011. Kajian Pertumbuhan Tanaman pada Sistem Silvikultur Tebang Pilih Tanam Indonesia Intensif (TPTII) di Kalimantan Tengah. *J Penelit Hutan Konservasi Alam* 8(3):253-261
- Monteoliva, S. Senisterra, G., Marquina, J.L, Marlats, R.M., Ciocchini, G. R. 2002. Clones de sauce, longitude de fibras en sumadera. *Rev. FCA UNCuyo, Tomo Xxxiv* (2)
- Monteoliva, S., Senisterra, G., Marlats, R. 2005. Variation of Wood Density and Fibre Length in Six Willow Clones (*Salix* Species). *IAWA Journal*, Vol.26 (2) :197-202
- Moore, Andrew, J.L., Gregory, J., Searles, Leena, E.V. 2009. The Effects of Site and Stand Factors on the Tree and Wood Quality of Sitka Spruce Growing in the United Kingdom. *Silva Fennica*, Vol 43(3)
- Mpapa, B.L., Sri N.M. 2012. *Laju Pertumbuhan, Sifat Anatomi dan Sifat Fisika Kayu Jabon Merah yang TUMBuh di Kabupaten Banggai Sulawesi Tengah*. Master Tesis (Tidak dipublikasi). Fakultas Kehutanan Universitas Gadjah Mada. Yogyakarta
- Nugroho, W.D., Sri, N.M., Koh, Y., Takeshi, F. 2012. Radial Variations in the Anatomical Characteristics and Density of the Wood of *Acacia mangium* of Five Different Provenances in Indonesia. *J Wood Sci*, 58: 185-194

- Palermo, G.P.M., Latorraca, J.V.F., Severo, E.T.D., Nascimento, A.M., Rezende, M.A. 2013. Delimitation the Juvenile and Mature Wood of *Pinus Elliottii* Engelm. *Revista Arvore*, 37(1):191-200
- Pandit, I. K. N., Istie, S.R. 2007. Ultra Structure of Compression Wood of *Agathis (Agathis loranthifolia* Salisb.) and Its Relation to Physical Properties. *J. Tropical Wood Science and Technology*, Vol.5 (1)
- 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*. New York (US): McGraw-Hill Book Company
- Praptoyo, H. 2011. *Buku Ajar Anatomi dan Identifikasi Kayu*. Fakultas Kehutanan Universitas Gadjah Mada. Yogyakarta
- Praptoyo, H. 2011. Variasi Sifat Anatomi Kayu Meranti Merah (*Shorea leprosula*) pada 3 Klas Diameter yang Berbeda. *Prosiding Seminar Nasional : Masyarakat Peneliti Kayu Indonesia (MAPEKI)*. Fakultas Kehutanan Universitas Gadjah Mada. Yogyakarta
- Praptoyo, H., Ali. 2012. Sifat Makroskopis dan Mikroskopis Kayu Meranti Merah (*Shorea parvifolia*) pada Berbagai Diameter dari Tanaman Jalur Silvikultur Intensif PT. Sari Bumi Kusuma. *Prosiding Seminar Nasional : Masyarakat Peneliti Kayu Indonesia (MAPEKI)*. Fakultas Kehutanan Universitas Gadjah Mada. Yogyakarta
- Praptoyo, H., Sri, N.M. 2013. *Variasi Sifat Kayu*. Yayasan Penerbitan Fakultas Kehutanan Universitas Gadjah Mada. Yogyakarta
- Prawirohatmodjo, S., 1999. *Struktur dan Sifat-Sifat Kayu (Anatomi Kayu, Anatomi Kayu Daun, Anatomi Kayu Jarum)*. Jilid III. Bagian Penerbitan Yayasan Fakultas Kehutanan Universitas Gadjah Mada. Yogyakarta
- Prawirohatmodjo, P. 2001. *Variabilitas Sifat-Sifat Kayu*. Fakultas Kehutanan. Universitas Gadjah Mada. Yogyakarta
- Prawirohtmodjo, S. 2004. *Sifat-Sifat Fisika Kayu*. Yayasan Penerbitan Fakultas Kehutanan Kehutanan Universitas Gadjah Mada. Yogyakarta
- Prawirohatmodjo, S. 2012. *Sifat-Sifat Fisika Kayu*. Yayasan Penerbitan Fakultas Kehutanan Kehutanan Universitas Gadjah Mada, Yogyakarta

- Purwaningsih. 2004. Sebaran Ekologi Jenis-jenis Dipterocarpaceae di Indonesia. *Biodiversitas*, Vol. 5 (2)
- Roger, M.R., Mario, T.F., Edwin, C.A. 2007. Fiber Morphology in Fast Growth Gmelina Arborea Plantations. *Madera y Bosques*, 13(2):3-13
- Saravanan, K. T., Parthiban, I., Sekar, P., Kumar, Vennila. 2013. Radial Variations in Anatomical Properties of *Melia dubia* cav. at Five Different Ages. *Academic Journals*, Vol.8(45) : 2208-2217
- Saren, M.P., Serimaa, R., Andersson, S., Saranp, Keckes, J., Fratzl. 2004. Effect of Growth Rate on Mean Microfibril Angle and Cross-Sectional Shape of Tracheids of Norway spruce. *Trees*, 18:354-362
- Seng, O.D. 1990. Spesific Gravity of Indonesia Woods and its Significance for Pratical Use, Penerjemah : Suwarsono P.H. Pusat Penelitian dan Pengembangan Hasil Hutan. Departemen Kehutanan Indonesia. Bogor
- Sharma, Sharma M., Jamir, L. 2014. Radial Variation in Wood Properties of Plantation Grown Terminalia Myriocarpa Heurck and Muell-Arg in Nagaland, India. *Research Journal of Recent Sciences*, Vol. 3
- Shmulsky, R., P. D. Jones. 2011. *Forest Products and Wood Science, an Introduction*, Sixth Ed., Wiley Blackwell, Oxford, UK
- Soekotjo. 2009. *Teknik Silvikultur Intensif (SILIN)*. Gadjah Mada University Press.
- Supartini, Kholik. 2010. Variasi Struktur Anatomi Berdasarkan Tingkat Ketinggian dan Arah Radial dari Kayu Meranti Merah (*Shorea parvistipalara*). *Jurnal Penelltian Olpterokarpa*, Vol. 4
- Supartini, Listya M. D., Agus, K., M. Muslich. 2013. Struktur Anatomi dan Kualitas Serat Kayu *Shorea hopeifolia* (Heim) Symington dari Kalimantan Timur. *Jurnal Ilmu dan Teknologi Kayu Tropis*, Vol.11
- Syafii, W., Iskandar, Z.S. 2006. Chemical Properties and Fiber Dimension of *Acacia mangium* Willd from Three Provenances. *J. Tropical Wood Science & Technology*, Vol.4 (1)

- Tacconi, L., Krystof, O., Ferdinandus, A. 2003. *Proses Pembelajaran (Learning Lesson) Promosi Sertifikasi Hutan Dan Pengendalian Penebangan Liar Di Indonesia*. Center For International Forestry Research. Bogor
- Wahyudi, Nilam, S., Amiril, S., Deddy, D.N.C., Rayan, M.N., Andrian, F., Abdurachman, H. A., Rini, H., Asef, K.H., Farida, H.S., Karmilasanti, N., M., Fajri, Catur. B.W., Tien, W. 2014. *Shorea leprosula* Miq dan *Shorea johorensis* Foxw : *Ekologi, Silvikultur, Budidaya dan Pengembangan*. Balai Besar Penelitian Dipterokarpa. Samarinda.
- Wahyudi,I., Sitanggang, J.J. 2016. Kualitas Kayu Meranti Merah (*Shorea leprosula* Miq.) Hasil Budi Daya (Wood Quality of Cultivated Red Meranti). *Jurnal Ilmu Pertanian Indonesia (JIPI)*, Vol. 21 (2): 140-145
- Watt, M.S., Moore, J.R., Facon, J.P., Downes, G.M., Clinton, P.W., Coker, G., Davis, M.R., Simcock, R., Parfitt, R.L., Dando, J., Mason, E.G., Bown, H.E. 2006. Modelling the Influence of Stand Structural, Edaphic and Climatic Influences on Juvenile *Pinus Radiata* Dynamic Modulus of Elasticity. *Forest Ecology and Management*, Vol. 229:136-144
- Wistara, N.J., Munawar, S., Prijanto, P. 2016. The Properties of Red Meranti Wood (*Shorea leprosula*) from Stand with Thinning dan Shade Free Gap Treatments. *J Indian Acad Wood Sci*, Vol 13 (1) : 21-32
- Yani, A., Sri, N.M. 2009. *Variasi Aksial Dan Radial Sifat Fisika-Mekanika dan Struktur Anatomi Kayu Jabon (Anthocephalus cadamba) dari Kabupaten Landak, Kalimantan Barat*. Master Tesis (Tidak dipublikasi). Fakultas Kehutanan Universitas Gadjah Mada. Yogyakarta