DAFTAR PUSTAKA

Abdul-Kader, R., dan M.H. Sahri. 1993. *Properties and Utilization*. Dalam: Awang, K. dan Taylor, D. (ed.) *Acacia mangium: Growing and Utilization*. 225-241. MPTS Monograaph Series No 3. Winrock International dan Food and Agriculture Organization of The United Nations, Bangkok, Thailand.

Anonim. 1985. *Annual Book of ASTM Standards*. *Section Four Construction Volume 04.09 Wood*. Philadelphia

Anonim. 2011. *Properties of Acacia mangium Planted in Penisuar Malaysia*. Forest Research Institute Malaysia, Selangor Malaysia

Anonim. 2017. Sistematika kayu Acacia mangium. http://www.cabi.org/isc/datasheet/2325

Diakses tanggal 26 mei 2017.

Atipanumpai, L. 1989. *Acacia mangium: Studies on The Genetic Variation in Ecological and Phyiologycal Characteristics of a Fast-rowing Plantation Tree Species*. Acta Forestalia Fennica 206: 1-92

Baeza, J. 2001. *Chemical Characterization of Wood and its Components* dalam *Wood and Cellulosic Chemistry*. Terbitan Kedua. Hon, D.N.S dan N. Shiraishi. Clemson. South Carolina. Clemson Univeristy, Japan. Kyoto. Kyoto University

Barry, K. M., R. Mihara, N.W. Davies, T. Mitsunaga., dan C.L. Muhammed. 2005. *Polyphenols in Acacia mangium and Acacia auriculiformis heartwood with reference to heart rot susceptibility*. Journal of Wood Science. 615-621

Barry, K. M, R.S.B Irianto, B. Tjahjono, M. Tarigan, L. Agustini, E.B. Hardiyanto, dan C.L Mohammed. 2006. *Variation of heartrot, sapwood infection and polyphenol extractives with provenance of Acacia mangium*. Journal Compilation (36): 183-197.

Browning, B.L. 1967. *Methods of Wood Cemistry Vol.I*. Interscience Publishers, A Division of John Wiley and Sons, Inc. New York

Caron, A, C.M. Altaner, B. Gardiner, dan M.C. Jarvis. 2013. *Distribution of extractives in Sitka Spruce (Picea sitchensis) grown in the northern UK*. Eur J. Wood Prod. 71: 697-704

Chuo, C.H., C.Y. Fu, S.Y. Li., dan Y.F. Wang. 1998. *Allelophatic potential of Acacia confusa and related species Taiwan*. Journal of Chemical Ecology 24 (12) : 2131-2150

Dumanauw, J.F. 1982. *Mengenal Kayu.* PT Gramedia.Jakarta

Eldoma, A. dan Awang, K. 1999. *Site adaptability of Acacia mangium, Acacia auliculiformis, Acacia crassicarpa and Acacia aulacocarpa*. *APAFRI Publication Series* No. 3. Asia Pacific Associationof Forestry Research Institutions, Kuala Lumpur, Malaysia.

Fengel, D dan G. Wegener. 1989. *Wood Chemistry, Ultrastructure, Reactions*. New York.

Francis, J. K. 2005. *Species descriptions. Acacia mangium Willd. In Tropical Tree Seed Manual*; Vozzo, J. A., Ed.; U.S. Department of Agriculture Forest Service: Washington, DC, 256-257

Gominho, J, J. Rodrigues, dan H. Pereira. 2001. *Within-tree Variation of Heartwood, Extractives and Wood Density In The Eucalyptus Hybrid Urograndis (Eucalyptus grandis x E. urophylla)*. Wood and fiber science: journal of the Society of Wood Science and Technology 33 (1): 3-8

Gominho, J, A. Lourenco, I. Miranda, dan G. Pereira. 2015. *Radial and Axial Variation of Heartwood Properties and Extractives in Mature Trees of Eucalyptus globulus.* BioResources 10 (1) 721-731

Guangcheng, Z, L. Y, dan Y. Yazaki. 1991. *Extractives yields, Stiasny values and Polyflavanoid Content in Barks from six Acacia species in Australia*. Australian Forestry. 54 (3): 154-156.

Hafizoglu H, B. Holmbom, dan M. Reunananen. 2002. *Chemical Composition of Liphophilic and Phenolic Constituents of Barks From Pinus nigra, Abies bornmuelleriana, Castanea sativa.* Holzforschung 56 (3): 257-260.

Hall, N, J. W. Turnbull, dan P. N. Martensz. 1980. *Acacia auriculiformis A. Cunn. Ex Benth*. Australia Acacia Series Leaflet No 8. Division Forest Research, Canberra: CSIRO, 1pp

Hart, J.H. 1989. *Role of wood exudates and extractives in protecting wood from decay in: Rowe JW (eds) Natural products of woody plants*, Vol II. Springer. Berlin Heidelberg New York. 861-878

Higuchi, T. 1997. *Biochemistry and Molecular Bilogy of Wood.* Springer-Verlag Berlin Heidelberg. Germnay

Hillis, W.E. 1987. *Heartwood and Tree Exudates.* Springer-Verlag Berlin Heidelberg. Germany

Ho, Chi-Tang. 1992. *Phenolic Compounds in Food and Their Effects on Health I.* ACS Symposium Series; American Chemical Society. Washington D.C

Hoong, Y.B, A. Pizi, P. M. Tahir, dan H. Pasch. 2010. *Characterisation od Acacia mangium polyflavanoid tannins by MALDI mass spectrometry and CP-MAS 13C NMR*. European Polymer Journal. 46: 1268-1277.

Humphreys, F.R, dan P.J. Martin. 1956. *A survey of the tannin content of the bark of plantation-grown Pinus radiata from Jenolan State Forest, N.S.W.* Australian Forestry 20: 96-101.

Krisdianto. 2012. *Variasi keasaman dan kapasitas penyangga kayu Tampui Beras dan Manggis Hutan.* Jurnal penelitian Hasil Hutan. 31(4): 242- 249.

Krisnawati, H, M. Kallio, dan M. Kanninen. 2011. *Acacia mangium Willd. Ecology, Silviculture and productivity*. Center for International Forestry Research. Bogor Indonesia.

Lange, W, dan R. Hashim. 2001. *The composition of the extractives from unaffected and heartrot affected heartwood of Acacia mangium Willd*. Holz als Roh- Und Werkstoff. (59): 61-66.

Lee, T.H, F. Qiu, G.R. Waller, dan C.H. Chuo. 2000. *Three new flavanol galloglycosides from leaves of Acacia confusa*. J. Nat. Prod. (63) 710-712.

Legrand, I, J. Asta, dan Y. Goudard. 1996. *Variation in bark acidity and conductivity over the trunk of silver fir and Norway spruce*. Trees (11): 54-58

Lemmens, R.H.M.J, I. Soerianegara dan W.C Wong. (ed.). 1995. *Plant resources of South-east Asia No. 5(2). Timber trees: Minor commercial timbers*. Backhuys Publishers, Leiden, Belanda.

Lin, H.Y, dan S.T. Chang. 2013. *Antioxidant potency of phenolic phytochemicals from the root extract of Acica confusa*. Industrial Crops and Products 49: 871-878.

Lukmandaru. G, S. Gustomo, IGN D. Sayudha, dan V.E. Prasetyo. 2011. *Studi Keasaman dan Kapasitas Penyangga pada Kayu Mangium*. Prosiding Seminar MAPEKI XIII. Hlm 388-396.

Lukmandaru. G, IGN. D. Sayudha. 2012. *Komposisi Ekstraktif pada Kayu Jati Juvenil*. Prosiding Seminar MAPEKI XIV. Hlm 361-366.

Lukmandaru. G. 2012. *Komposisi ekstraktif pada kayu mangium (Acacia mangium).* Jurnal Ilmu dan Teknologi Kayu Tropis 10 (2): 150-158.

Makkar, H.P.S. dan K. Becker. 1993. *Vanillin-HCl method for condensed tannins: Effect of organic solvents used for extraction of tannins*. Journal of Chemical Ecology. 19(4): 613–621.

Masendra. 2016. *Komposisi Kimia Ekstraktif Kulit Kayu* (*Pinus merkusii)*. Skripsi. Fakultas Kehutanan Universitas Gadjah Mada. Yogyakarta.

Monica, E.K., G. Gellerstedt, dan G. Henrikson. 2009. *Wood Chemistry and Biotechnology,* Walter de Gruyter GmbH & Co. KG. Berlin.

Moya, R., R. S Fallas., P. J. Bonilla., dan C. Tenorio. 2012. *Relationship Between Wood Color Parameters Measured by the CIELab System and Extractive and Phenol Content in Acacia mangium and Vochysia guatemalensis from Fast-Growth Plantations*. Molecules.17: 3639-3652.

Muslich, M., dan G. Sumarni. 1989. *Hubungan Antara Berat jenis dan Intensitas serangan Penggerek Kayu Laut terhadap Beberapa Jenis Kayu Hutan Tanaman Industri.* Jurnal Penelitian Hasil Hutan. 6 (4): 268-271.

Nawawi, D. S. 2002. *The Acidity of five tropical woods and its influence on metal corrosion.* Jurnal Teknologi Hasil Hutan, Fakultas Kehutanan IPB Vol XV. No 2:18-24.

Nawawi, D.S, D. Rusman, F. Febrianto, dan W. Syafii. 2005. *Bonding properties of some tropical woods in relation to wood acidity.* Journal Teknologi Hasil Hutan.18(2): 47-52.

Neverova, N.A, A.A. Levchuk, L.A. Ostroukhova, E.N Medvedeva, N.A. Onuchina, dan V. A. Babkin. 2013. *Distribution extractives subtances in Wood of the Siberian Larch (Larix sibirica Ledeb.).* Russian Journal of Bioorganic Chemistry. 39(7): 712-719.

Nunes, E, T. Quilhó, dan H. Pereira. 1999. *Anatomy and Chemical Composition of Pinus Pinea L. bark*. Annals of Forestry Science 56: 479-484.

Obst, J.R. 1998. *Special (secondary) metabolites from wood*. In: Alan Bruce and John W. Palfreyman (eds.). Forest products biotechnology. Taylor & Francis, London, UK. 151–165.

Otsamo, R. 2002. *Early effects of four fast-growing tree species and their planting density on ground vegetation in Imperata grasslands*. New Forests 23: 1–17.

Pandey, K.K. 2005. *A Note on the influence of extractives on the photo-discoloration and photo-degradation of wood*. Polymer Degradation and Stability. 87: 375-379.

Pedley, L. 1975. R*evision of the extra-Australia species od Acacia subg, Heterophyllum*, contr. Queensland Herb. 18:1-24

Pedley L, 1986. *Derivation and dispersal of Acacia (Leguminosae), with particular reference to Australia, and the recognition of Senegalia and Racosperma*. Botanical Journal of the Linnean Society 92(3): 219-254

Pinto, P. C, D.V. Evtuguin, C.P. Neto. 2005. *Chemical composition and structural features of the macromolecular components of plantation Acacia mangium wood*. J. Agric Food Chem,53(20): 7856-7862.

Pinyopusarerk, K, S.B. Liang, dan B.V. Gunn. 1993.*Taxonomy, distribution, biology and use as an exotic. Dalam: Awang, K. dan Taylor, D. (ed.) Acacia mangium: growing and utilization*. Winrock International dan Food and Agriculture Organization of the United Nations, Bangkok,Thailand.

Prawirohatmodjo, S. 2004. *Sifat-sifat Kimia Kayu*. Yayasan Pembina Fakultas Kehutanan. Universitas Gadjah Mada. Yogyakarta.

Richard, B, Broadhurst, dan J.T. William. 1978. *Analysis of Condensed Tannins Using Adicified Vanillin*. Journal of the Science of Food and Agriculture 29: 788-794.

Rowell, R. M., 2005, *Handbook of Wood Chemistryand Wood Composites*. CRC Press. New York Washington, D. C.

Saka, S. 2001. *Chemical Composition and Distribution* dalam *Wood and Cellulosic Chemistry*. Terbitan Kedua. Hon, D.N.S dan N. Shiraishi. Clemson. South Carolina. Clemson Univeristy, Japan. Kyoto. Kyoto University

Sakakibara, A, dan Y. Sano. 2001. *Chemistry of lignin* dalam *Wood and Cellulosic Chemistry*. Terbitan Kedua. Hon, D.N.S dan N. Shiraishi. Clemson. South Carolina. Clemson Univeristy, Japan. Kyoto. Kyoto University

Shmulsky, R, P.D. Jones. 2011. *Forest Products and Wood Science An Introduction Sixth Edition*, UK: A John Wiley & Sons, Inc., Publication.

Sjöström, E. 1993. *Wood Chemistry: Fundamentals and Application*. Edisi kedua. USA: Gulf Profesional Publishing.

Takahashi, K. 1981. *Heartwood Phenols and Their significance to Color in Cryptomeria japonica D. Don*. Moukuzai Gakkashi. 27.(8): 654-657

Tham, M. W., dan K.C. Liew. 2014. *Influence of different extraction temperatures and methanol solvent percentages on the total phenols and total flavanoids from the heartwood and bark of Acacia auriculiformis.* Eur J. Wood Prod. 72:67-72

Umezawa, T. 2001. *Chemistry of Extractives* dalam *Wood and Cellulosic Chemistry*. Terbitan Kedua. Hon, D.N.S dan N. Shiraishi. Clemson. South Carolina. Clemson Univeristy, Japan. Kyoto. Kyoto University

Yunanta, K, G. Lukmandaru, A. Fernandes. 2014. *Sifat Kimia dari Kayu Shorea retusa, Shorea macroptera dan Shorea macrophylla*. Jurnal Penelitian dipterokarpa 8: 15-24.

Zabel, R. A dan J.J Morell. 1992. *Wood microbiology, decay and its prevention.* Academic press. London.