

VII. DAFTAR PUSTAKA

- Anonim, 2010. <http://www.millerpublishing.com/>
- _____. 2008. *Petunjuk Teknis Pembangunan dan Pemeliharaan Perhutanan Klon JPP*. Pusat Penelitian dan Pengembangan. Perum Perhutani. Cepu.
- _____. 2007. *Standar Operasional (SOP) Pengelolaan Kebun Pangkas dan Pembuatan Bibit Stek Pucuk Jati Plus Perhutani (JPP)*. Pusat Penelitian dan Pengembangan. Perum Perhutani. Cepu
- _____. 2002. *Informasi Singkat Benih Jati*. No 15. www.dephut.go.id
- _____. 2001. *Introduction to Fourier Transform Infrared Spectrometry*. Thermo Nicolet Corporation.
- _____. 1989. SNI 14-1032-1989 mengenai *Cara Uji Kadar Sari (Ekstrak Alcohol-Benzena) dalam Kayu dan Pulp*.
- _____. 1957. Standard British 373,1957. *Methods of Testing small Clear Specimen Timber*. London
- Amaral, R. dan Chong, L.H. 2002. *Surface Roughness*. MatE210.
- Ates, S., Akyildiz, M.H., Gumuskaya, E., dan Ozdemir, H. 2010. *Technological and Chemical Properties of Chesnut (Castanea sativa Mill.) Wood after Heat Treatment*. *Romanian Biotechnological Letters* 15(1): 4949-4958.
- Ayrilmis, N., S. Korkut, E. Tanritanir, J.E. Winandy, S. Hiziroglu. 2006. *Effect of various fire retardants on surface roughness of plywood*. Elsevier Building and Environment 41 : 887-892.
- Bodig, J., 1962. *Wettability Related ro Gluability of Five Phillipines Mahagannies*. Forest product Journal 9(12): 451-458.
- Cao, Y., Huang, R., Lu, J. dan Zhao, X. 2012. *Effect of Steam-Heat Treatment on Mechanical Properties of Chinese Fir*. *BioResources* 7(1):1123-1133.

- Charani, P.R., Mohebbi, B., Ramezani, O. dan Rovshandeh, J.M. 2007. *Influence of hydrothermal treatment on the dimensional stability of beech wood*. Caspian J. Env. Sci. 5 (2):125-131.
- Chen, Y., Fan, Y., Gao, J., Stark, N.M. dan Tshabalala, M.A. 2012. *Heat-Induced Chemical and Color Changes of Extractive-free Balck locust (Robinia pseudoacacia) wood*. BioResources 7(2): 2236-2248.
- Chen, Y., Fan, Y., Gao, J., dan Stark, N.M. 2012². *The Effect of Heat-Treatment on the Chemical and Color Change of Black locust (Robinia pseudoacacia) wood Flour*. BioResources 7(1): 1157-1170.
- Departemen Kehutanan (tanpa tahun). [http://www.dephut.go.id/Halaman/STANDARDISASI & LINGKUNGAN KEHUTANAN/INFO_V02/VII_V02.htm](http://www.dephut.go.id/Halaman/STANDARDISASI_&_LINGKUNGAN_KEHUTANAN/INFO_V02/VII_V02.htm), sifat-sifat kayu dan penggunaannya. tanggal 27 juli 2012 jam 15.10
- Ding, T., Gu, L. dan Liu, X. 2011. *Influence of Steam Presure on Chemical Changes of Heat-Treated Mongolian Pine Wood*. BioResources 6(2): 1880-1889.
- Dubey, M.K., Pang S. dan Walker J. 2011. *Changes in Chemistry, color, dimensional stability and fungal of Pinus radiata D.Don wood with oil heat-treatment*. Holzforschung, Vol. 65.
- Dwianto, W. dan Marsoem, S.N. 2008. *Tinjauan Hasil-hasil Penelitian Faktor-faktor Alam yang Mempengaruhi Sifat Fisik dan Mekanik Kayu Indonesia*. J. Tropical Wood Science and Technology. Vol. 6 No.2.
- Esteves, B.M. dan Pereira, H.M. 2009. *Wood Modification by Heat Treatment : a review*. BioResources 4(1): 370-404.
- Esteves, B., Domingos, I., Marques, A.V. dan Pereira, H. 2007. *Influence of Steam Heating on the Properties of Pine (Pinus pinaster) and Eucalyptus (Eucalyptus globulus) Wood*. Wood Sci Technol (41):193-207.
- _____. 2008. *Pine Wood Modification by Heat Treatment in Air*. BioResources 3(1): 142-154.

- Ghalehno, M.D. dan Nazerian, M. 2011. *Changes in the Physical and Mechanical Properties of Iranian Hornbeam Wood (Carpinus betulus) with Heat Treatment*. European Journal of Scientific Research, 51(4): 490-498.
- Glover, P. (tanpa tahun). *Wettability*. Formation Evaluation MSc Course Notes. Chapter 7. Diunduh menggunakan *search engine* www.yahoo.com
- Haygreen, J.G. dan Bowyer J.L. 1989. *Hasil Hutan dan Ilmu Kayu: Suatu Pengantar*. Gadjah Mada University Press. Yogyakarta
- Herawati, E. 2005. *Warna Alami Kayu*. Jurusan Kehutanan. Fakultas Pertanian. Universitas Sumatera Utara
- Herwanto, H., Sutijasno dan Wibowo, A. 2007. *Kajian Jati Plus Perhutani (JPP)*. Pusat Penelitian dan Pengembangan, Perum Perhutani. Cepu.
- Hidayati, F. 2010. *Anatomi dan Sifat Fisika Kayu Jati Unggul (Tectona grandis L.F) umur 5 tahun yang Tumbuh di Gunung Kidul pada berbagai Laju Pertumbuhan*. Tesis. Fakultas Kehutanan. Universitas Gadjah Mada. Yogyakarta.
- Homan, W.J. dan Jorissen A.J.M. 2004. *Wood Modification Developments*. HERON Vol. 49. No.4
- <http://www.jartek.fi/web/index.php?id=436> diunduh 20 Juni 2011 jam 09.21
- <http://www.maxwellwoods.com/TheProcess.html>
- Irawan, M.F. 2012. *Sifat Perekatan Kayu Mahoni (Swietenia macrophylla) setelah Perlakuan Panas*. Tesis. Fakultas Kehutanan. Universitas Gadjah Mada. Yogyakarta
- Jams, S. dan Viitaniemi, P. 2001. *Heat Treatment of Wood, Better Durability without Chemicals*. Proceeding. Review on Heat Treatment of Wood. European Thematic Network for Wood Modification. BFH The Federal Research Centre for Forestry and Forest Products. Germany.
- Jones, D. dan Howard N. 2004. *Improvement in the Durability of UK Grown Timbers by Various Wood Modification Techniques*. COST E22 Final Conference.

- Li, X., Cai Z., Mou Q., Wu Y. dan Liu Y. 2011. *Effect of heat treatment on some pyisical properties of Douglas Fir (Pseudotsuga menziesii) wood*. Advanced materials research vols. 197-198 (2011) pp 90-95
- Lukmandaru, G. 2009. *Perubahan Warna pada Kayu Teras Jati (Tectona grandis) Doreng melalui Ekstraksi Berturutan*. Jurnal Ilmu dan Teknologi Hasil Hutan, 2(1):15-20.
- Marsoem, S.N. 1996. *Sifat-sifat kayu untuk bahan baku industri*. Bahan diktat kuliah manager industri kayu. Fakultas Kehutanan Universitas Gadjah Mada. Yogyakarta
- Martawijaya, A., Kartasujana I., Kadir K., Mandang Y.I. dan Prawira A.P. 2005. *Atlas Kayu Indonesia Jilid I*. Departement Kehutanan. Balai Penelitian dan Pengembangan Kehutanan. Bogor.
- Militz, H. dan Tjeerdsma B. 2001. *Heat Treatment of Wood by The "Plato-Process"*. Review on Heat Treatments of Wood. European Thematic Network for Wood Modification. Hamburg-Jerman
- Militz, H. 2002. *Heat Treatment Technologies in Europe: scientific Background and Technological State-of-Art*. Proceeding of conference on "Enhancing the durability of lumber and engineered wood product". Forest Product Society. Madison. US.
- Mohamad, A. R.2011. *Sifat kimia kayu jati (tectona grandis) dari hutan rakyat di tiga zona kabupaten gunungkidul*. Skripsi. Jurusan Teknologi Hasil Hutan Fakultas Kehutanan Universitas Gadjah Mada Yogyakarta
- Mohebbly, B. dan Sanaei I. 2005. *Influences of The hydro-thermal Treatment on Physical Properties of Beech Wood (Fagus orientalis)*. The International Research Group on Wood Protection. Paper prepared for the 36th Annual Meeting, Bangalore, India.
- Moya, R. dan Berrocal A. 2010. *Wood Colour Variation in Sapwood and Heartwood of Young Trees of Tectona grandis and Its Relationship with Plantation Characteristics, Site and Decay Resistance*. Ann. For. Sci. 67(2010)109
- Nuopponen, M. 2005. *FT-IR and UV Raman Spectroscopic Studies on Thermal Modification of Scots Pine Wood and Its Extractable Compounds*. Helsinki

University of Technology, Laboratory of Forest Products Chemistry.
Reports series A 23.

- Oey-Djoen-Seng. 1964. *Berat Jenis dari Jenis-jenis Kayu Indonesia dan Pengertian Beratnya kayu untuk Keperluan Praktek*. Diterjemahkan oleh Soewarsono P.H. 1990. Pusat Penelitian dan Pengembangan Hasil Hutan. Bogor.
- Pandey, K.K. 1999. *A Study Of Chemical Structure Of Soft And Hardwood And Wood Polymers By FTIR Spectroscopy*. Journal of Applied Polymer Science, Vol. 71, 1969–1975 (1999)
- Pandit, I.K.N. dan Kurniawan D. 2008. *Struktur Kayu : Sifat Kayu sebagai Bahan Baku dan Ciri Diagnostik Kayu Perdagangan Indonesia*. Fakultas Kehutanan Institut Pertanian Bogor. Bogor
- Pervan, S., Gorisek Z., Humar M., Prekrat S. dan Straze A. 2006. *Effect of Steaming on Colour and Chemistry of Cherrywood (Prunus avium L.)*. Wood Structur and Properties. Abrora Publishers. Zvolen. Slovakia. ISBN 80-968869-4-3
- Poerwokoesoema, S. 1956. *Jati Jawa (Tectona grandis Linn)*. Terjemahan Yayasan Fakultas Kehutanan. Universitas Gadjah Mada
- Prayitno, T.A. 1995. *Pengujian Sifat Fisika dan Mekanika menurut ISO*. Fakultas Kehutanan Universitas Gadjah Mada. Yogyakarta
- Prawirohatmodjo, S. 1999. *Struktur dan Sifat-sifat Kayu, Jilid I. Sifat-sifat Makroskopis dan Identifikasi Kayu*. Fakultas Kehutanan, Universitas Gadjah Mada. Yogyakarta.
- Rapp, A.O. dan Sailer. M. 2001. *Oil Heat Treatment of Wood in Germany-State of The art*. Review on Heat Treatments of Wood. European Thematic Network for Wood Modification. Hamburg-Jerman.
- Rowell, R., Davis, M., Lange, S. dan McSweeny, J. 2002. *Modification of Wood Fiber Using Steam*. Proceeding: 6th Pacific Rim Bio-Based Composites Symposium Vol. 2: 606-615.
- Schubert, T. H. dan Francis J.K. (tanpa tahun). *Tectona grandis L.f*. Diunduh dari www.nsl.fs.fed.us/wpsm/Tectona.pdf. Pada tanggal 23 Mei 2011.

- Sjostrom, E. 1995. *Kimia Kayu : Dasar-dasar dan Penggunaan*. Gadjah Mada University Press. Yogyakarta.
- Sumarni, G., Hadjib N., Krisdianto K., Muslich M., Pari G. dan Yuniarti, S. 2008. *Sifat Dasar Jati Plus Perhutani (5 dan 7 tahun) dan Jati Ngawi (15 dan 35 tahun)*. Laporan Hasil Penelitian. Puslitbang Hasil Hutan. Balitbang Kehutanan. Bogor.
- Sundqvist, B. 2004. *Color Changes and Acid Formation in Wood During Heating*. Doctoral Thesis. Division of wood Material Science. Skelleftea Campus. Lulea University of Technology. Sweden.
- Syrjänen, T. dan Oy K. 2001. *Production and Classification of Heat Treated Wood in Finland*. Review on Heat Treatments of Wood. European Thematic Network for Wood Modification. Hamburg-Jerman
- Thompson, D.W. 2005. *Thermal Modification of Color in Red Alder Veneer, I. Effect of Temperature, Heating Time and Wood Type*. Wood and Science Fiber 37(4),2005,pp. 653-661.
- Todaro, L., Moretti N., Scopa A., dan Zanuttini R. 2011. *Influence of Combined Hydro-Thermal Treatments on Selected Properties of Turkey Oak (Quercus cerris L.)*. Wood Science Technol. Springer-Verlag.
- Utami, S.N.H., Maas A., Purwanto B.H. dan Radjagukguk B. 2009. *Sifat fisik, kimia dan FTIR spektrofotometri Gambut hidrofobik Kalimantan Tengah*. J. Tanah Trop. Vol 14 No.2, 2009:159-166
- Unsal, O. dan Ayrilmis N. 2005. *Variations In Compression Strength And Surface Roughness Of Heat-Treated Turkish River Red Gum (Eucalyptus Camaldulensis) Wood*. J.Wood Sci (52): 405-409.
- _____. 2004. *The effect of steaming on equilibrium moisture content in beech wood (Fagus orientalis Lipsky)*. Forest Products Journal.
- Varga, Z. dan Zee, M.E. 2008. *Influence of steaming on selected wood properties of four hardwood species*. HolzRoh Werkst 66: 11-18.
- Vernois, M. 2001. *Heat Treatment of Wood in France-State of The art*. Review on Heat Treatments of Wood. European Thematic Network for Wood Modification. Hamburg-Jerman

Wahyudi, I. dan Arifien A.F. 2005. *Perbandingan struktur anatomis, sifat fisis dan sifat mekanis kayu jati unggul dan kayu jati konvensional*. J. Ilmu & Teknologi Kayu Tropis Vol.3 No. 2

Yilgor, N., Kartal S.N. dan Unsal O. 2001. *Physical, mechanical, and chemical properties of steamed beech wood. (Fundamental Disciplines)*. Forest Product Journal. 2001.
<http://www.entrepreneur.com/tradejournals/article/81220042.html>