

DAFTAR PUSTAKA

- Afrizal A. dan S. N. Marsoem., 2008. *Pengaruh Lama Pemasakan dan Bagian Tanaman Terhadap Rendemen dan Sifat Fisik Pulp Sulfat Tanaman Kopi (Coffea robusta)*. Skripsi Fakultas Kehutanan Universitas Gadjah Mada (tidak dipublikasikan).
- Anonim., 1976. *Vedemecum Kehutanan Indonesia*. Departemen Pertanian. Direktorat Jendral Kehutanan. Jakarta.
- , 1989. *Cara Uji sifat Fisik, Optik dan Kimia Pulp, Kertas, dan Karton*. Standar Nasional Indonesia.
- , 2005. *Buku Petunjuk Praktikum Pulp dan Kertas*. Jurusan Teknologi Hasil Hutan Fakultas Kehutanan Universitas Gadjah Mada
- , 2007a. *Microbes in trees and wood*.
<http://forestpathology.coafes.umn.edu/microbes.htm>
- , 2008. Kraft Process. Wikipeddia free encyclopedia.
http://en.wikipedia.org/wiki/Kraft_process.html
- , 2008. Industri Pulp dan Kertas. Koran Harian Warta Ekonomi.
<http://www.wartaekonomi.com/indikator.asp?aid=6728&cid=25>
- Alberto, E dan S. N. Marsoem., 2005. *Jamur Pelapuk Putih (Phanerochaete chrysosporium) Sebagai Perlakuan Awal Dalam Pembuatan Pulp Biosulfat Gmelina (Gmelina arborea)*. Skripsi Fakultas Kehutanan Universitas Gadjah Mada (tidak dipublikasikan).
- Bajpai, P, P. K. Bajpai, R. Kondo., 1999. *Biotechnology for Environmental Protection in the Pulp and Paper Industry*. Springer – Verlag Berlin Heidelberg
- Biermann, C. J., 1996. *Handbook of Pulping and Papermaking 2nd Edition*. Academic Press San Diego, California.
- Bowyer, J. L., R. Shumulsky, and G. J. Haygreen., 2003. *Forest Products and Wood Science An Introduction 4th Edition*. Iowa State Press, A Blackwell Publishing Company.
- Burdsall, H., 1998. *Taxonomy of Industrially Important White-Rot Fungi Environmentally Friendly Technologies for the Pulp and Paper Industry*, John Wiley and Sons, Inc.

Casey, J.P., 1980. *Pulp and Paper Chemistry and Chemical Technology. Vol I: Pulping and Bleaching 3th Edition*. Wild Interscience Publication. New York.

Eaten, L.A. and N. D. Hale., 1993. *Wood : Decay, Pest, Protection*. Chapman dan Hall. London, Glasgow, New York, Tokyo, Melbourne, Madras. p: 90 – 97.

FAO., 1980. *Pulping and Paper-making Properties Fast Growing Plantation Wood Species Volume 1*. Forestry Industries Division. Forestry Department Food and Agriculture Organization of the United Nations. Rome.

Fengel, D dan G Wegener., 1995. *Kayu : Kimia, Ultrastruktur, Reaksi – reaksi*. Diterjemahkan oleh Hardjono Sastroamidjojo. Gadjah Mada University Press. Yogyakarta.

Gilarranz, M. A., A. Santos, J. Garcia, M. Oliet, and F. Rodriguez., 2002. *Kraft Pulping of Eucalyptus globules: Kinetics of Residual Delignification*. Madrid. Ind Eng Chem. Res. p: 1955 – 1959.

Hakala, T. K., 2007. *Characterization of The Lignin-modifying Enzymes of The Selective White Rot Fungus *Physisporinus rivulosus**. Desertation, Faculty of Agriculture and Forestry. University of Helsinki.

Hammel, K. E., 1997. *Fungal Degradation of Lignin*. Institut for Microbial and Biochemical Technoogy, Forest Products Laboratory, Forest Service, US Departement of Agriculture, Madison, USA : 33 – 45.

Hammel, K. E., G. M. Scott, and M. Akhtar., 2007. *Biopulping: “Technology Learned From Nature That Gives Back to Nature”*
<http://www.fpl.fs.fed.us/documnts/techline/biopulping-technology-learned-from-nature-that-gives-back-to-nature.pdf>

Haroen, W. K., 2006. Variabilitas Massa Jenis Kayu Lebar Tropis terhadap Karakter Serat, Kimia, dan Pulp Sulfat. Jurnal Ilmu Teknologi Kayu Tropis Vol. 4 No.2 2006

Hossain M. K. and Nizam M. Z. U., 2003. *Anthocephalus chinensis (Lam.) Rich. ex Walp. In: Part II: Species descriptions*. In Tropical Tree Seed Manual. Vozzo JA. United States Department of Agriculture . p: 300 – 302.
www.rngr.net/Publications/ttsm/Folder.2003-07-11.4726/Anthocephalus%20chinensis.pdf

Hunt, C., M. Davis, and C. Houtman., 2002. *Properties of Fiber Made with Biopulped Wood* In Proceeding of The 2002 TAPPI Fall Technical Conference and Trade Fair (8 – 22) September 2002). San Diego. Atlanta.

Igartua, D. V, S. E. Monteoliva, M. G Monterrubianesi, and M. S. Villages., 2003. *Basic Density and Fibre Length at Breast Height Of Eucalyptus Globulus ssp. Globulus For Parameter Prediction Of The Whole Tree*. IAWA Journal Volume 24 (2), 2003. Published at The National Herbarium Netherland Leiden – The Netherlands.

Kirk, T. K., T. Higuchi, N. H. M. Chang., 1990. *Lignin Biodegradation : Microbiology, Chemistry and Application*. Vol II CRC Press. Inc : USA

Maijalla, P., 2000. *Heterobasidion annosum and Wood Decay: Enzymology of cellulose, hemicellulose, and lignin degradation*. Desertation Jurusan Department of Biosciences, University of Helsinki

-----, 2005. *Co-culturing Of White Rot Fungi On Wood- Potential In Biopulping?*. University Helsinki. Finland. Seminar on Forest Phatology.

Martani., 2005. *Mikroba dan Usaha Pelestarian Lingkungan. Pidato Pengukuhan Jabatan Guru Besar pada Bidang Mikrobiologi*. Fakultas Pertanian Universitas Gadjah Mada. Yogyakarta.

Martawijaya A, I. Kartasudja A, I. Kartasudjana, Y. I Nandang, dan S. A. Kadir., 2005. *Atlas Kayu Indonesia Jilid II*. Departemen Kehutanan. Badan Penelitian dan Pengembangan Kehutanan. Bogor.

Marsoem. S.N., 2006. *Kuliah Pulp dan Kertas*. Bahan Kuliah Mahasiswa Jurusan Teknologi Hasil Hutan Fakultas Kehutanan Universitas Gadjah Mada (Tidak dipublikasikan). Yogyakarta.

Messner, K., K. Koller, M. B. Wall, M. Akhtar, and G. M. Scott., 1998. *Environmentally Friendly Technologies for the Pulp and Paper Industry: Fungal Treatment of Wood Chips for Chemical Pulping*. John Wiley & Sons, Inc. p: 385 – 419.

Niemenmaa, O., 2008. *Monitoring of Fungal Growth and Degradation of Wood*. Desertation Departement of Chemistry and Microbioly, University of Helsinki

Nishida, T. Y. Kasino, A. Nimura, N.Y. Takahara., 1988. *Lignin Biodegradation By White Rots Fungi I: Screening of Lignin Degrading Fungi*. Nukuzai – Gokkai 34 (6): 530 - 536

Panshin, A. J and C. de Zeeuw., 1980. *Textbook of Wood Technology, Vol I*. McGraw Hill Book Company.

Pasaribu. R.A., S. Komarayati dan S. Suprpti., 1998. *Studi Biodelignifikasi Campuran Limbah Kayu Pembalakan Sebagai Bahan Baku Pulp*. Buletin Penelitian Hasil Hutan 15(7): 433 – 447

Prawirohatmodjo, S., 1995. *Kimia Kayu*. Diktat Kuliah Kimia Kayu Mahasiswa Jurusan Teknologi Hasil Hutan Fakultas Kehutanan. Universitas Gadjah Mada (Untuk Kalangan Sendiri). Yogyakarta.

Pujirahayu, N. dan S. N. Marsoem., 2005. *Sifat Serat dan Efisiensi Pemasakan Biokraft Pulp Kayu Sengon yang Diinokulasi dengan Jamur *Phanerochaete chrysosporium**. Tesis Program Studi Ilmu Kehutanan Jurusan Ilmu – ilmu Pertanian Universitas Gadjah Mada (tidak dipublikasikan).

Rydolm, S. A., 1965. *Pulping Processes*. Interscience Publisher John Wiley & Sons, Inc. New York, London, Sydney.

Rio, J.C., M. Speranza, A. Gutierrez, M.J. Martinez, A.T. Martinez., 2001. *Lignin Attack During Eucalypt Wood Decay by Selected Basidiomycetes: a Py-GC/MS Study*. Journal of Analitical and Applied Pyrolysis 64 (2002) 421-431

Rowell, R., 1984. *Chemistry of Solid Wood*. American Chemical Society. Washington D.C.

Sastrohamidjojo, H., 1992. *Spektroskopi Inframerah*. Fakultas MIPA universitas Gadjah Mada. Liberty. Yogyakarta

Shaleh, M. dan S. N. Marsoem., 2001. *Biodegradasi lignin oleh jamur *Phanerochaete chrysosporium* pada kayu sengon (*Paraserianthes falcataria* L. Nielsen) sebagai bahan baku pulp*. Skripsi Fakultas Kehutanan Universitas Gadjah Mada (tidak dipublikasikan).

Smook, G. A., 1994. *Handbook For Pulp and Paper Technologist 2nd Edition*. Angus Wilde Publications. Vancouver and Bellingham. p : 5

Siagian, B., 1991. *Anatomi Kayu Jabon dan Kemungkinan Penggunaannya*. Fakultas Kehutanan Universitas Gadjah Mada. Yogyakarta.

Sixta, H., 2006. *Handbook of Pulp*. WILEY-VCH Verlag Gmbh & Co. KGaA, Weinheim.

Sjostrom, E., 1993. *Kimia Kayu : Dasar – dasar dan Penggunaan Ed 2*. Diterjemahkan oleh Hardjono Sastrohamidjojo. Gadjah Mada University Press, Yogyakarta

Soerianegara, I. and R.H.M.J. Lemmens (eds)., 1994. *Plant Resources of South-East Asia. Timber trees: Major commercial timbers 5(1): 102 – 108*. Prosea, Bogor.

Titarsole, J., 1999. *Optimasi Campuran Serpih Kayu Gmelina dengan Tusam atau dengan *Pinus oocarpa* Scide pada Proses Kraft Antraquinon*. Tesis.

Program Pasca Sarjana Universitas Gadjah Mada. Yogyakarta. Tidak dipublikasikan.

Tjiptosoepomo, G., 1993. *Taksonomi Umum (Dasar – dasar Taksonomi Tumbuhan)*. Gadjah Mada University Press. Yogyakarta.

Torgnysdotter, A., A. K. Per Gradin, and L. Wagberg., 2006. *The Link Between the Fiber Contact Zone and the Physical Properties of Paper: A Way to Control Paper Properties*. Journal of Composite Materials 2007: 41: 1619. Sweden.
<http://jcm.sagepub.com/cgi/content/abstract/41/13/1619>

Tsuomis, G., 1991. *Science and Technology of Wood Structure, Properties, and Utilization*. Van Nostrand Reinhold. New York.

Wartono, K., 1992. Manual Kehutanan. Departemen Kahutanan, Jakarta.

Widjaja, A. S. Andriyani dan A. A. Pratami., 2003. *Study of Biodelignification on Sengon and Pine Using White Rot Fungus P. Chrysosporium For Development of Pulp and Paper Industries In Indonesia*. Institut Sepuluh November Surabaya. [www.Cape.Canterbury.ac.nz/webbdb/apche.proceeding Apc/887REV.pdf](http://www.Cape.Canterbury.ac.nz/webbdb/apche.proceeding/Apc/887REV.pdf)