

DAFTAR PUSTAKA

- Abe, K. dan Yanto, H. 2009. Comparison of The Characteristics of Cellulose Microfibril Aggregates of Wood, Rice Straw and Potato Tuber. *Cellulose* 16: 1017-1023
- Adel, A.M.; El-Wahab ZHA.; Ibrahim, A.A.; Al-Shemy MT. 2010. Characterization of microcrystalline Cellulose Prepared from Lignocellulosic Materials. Part I. Acid Catalyzed Hydrolysis. *Bioresources Technol* 101: 4446-4455
- Alemдар, A. dan Sain, M. 2008. Isolation and Characterization of Nanofibers from Agricultural Residues. Wheat Straw and Soy Hulls. *Bioresource Technol* 99: 1664-1671
- Achmadi SS. 1990. *Kimia Kayu*. Depdikbud. Direktorat Jenderal Pendidikan Tinggi. Pusat Antar Universitas Ilmu Hayat IPB : Bogor.
- Browning, B.L. 1967. *Methods of Wood Chemistry*. Vol II. Interscience Publishers a Division of John Wiley and Sons. New York, USA
- Chen, W.; Yu, H.; Liu, Y.; Chen, P.; Zhang, M.; Hai, Y. 2011. Individualization of Cellulose Nanofibers from Wood Using High-Intensity Ultrasonication Combined With Chemical Pretreatments. *Carbohyd Polym* 83: 1804-1811
- Cherian, B.M.; Leao, A.L.; De Souza, S.F.; Costa, LMM.; De Olyveria, GM.; Kottaisamy, M.; Nagarajan, ER.; Thomas, S. 2011. Cellulose Nanocomposites With Nanofibers Isolated from Pineapple Life Fibers from Medical Application. *Carbohyd Polym* 86: 1790-1798
- Darnoko, D, Siahaan, D., Nuryanto, E., Elisabeth, J., Erningpraja, L., Tobing, P.L., Naibaho, P.M. dan Haryati, T. (2002). Teknologi Pengolahan Kelapa Sawit dan Produk Turunannya. Pusat Penelitian Kelapa sawit. Medan
- Darnoko, D. dan T. Sembiring. 2005. Sinergi Antara Perkebunan Kelapa Sawit dan Pertanian Tanaman Pangan Melalui Aplikasi Kompos TKS untuk Tanaman Padi. Pertemuan Teknis Kelapa Sawit2005: Peningkatan Produktivitas Kelapa SawitMelalui Pemupukan dan Pemanfaatan LimbahPKS. Medan 19-20 April.

- Durgin, A.G. 1957. *The Alkaline Process*. Dalam: Calkin, J.B. dan Withman (eds.). *Modern Pulp Paper Making*. 3rded. Reinhold Publishing Corp., New York, USA
- Elanthikkal, S.; Gopalakrishnanpanicker, U.; Varghese, S.; Guthrie, J.T. 2010. Cellulose Microfibres from Banana Plant Wastes: Isolation and Characterization. *Carbohydr Polym* 80: 852-859
- Fauzi, Y.; Widyastuti, YE.; Satyawibawa, I.; Hartono, R. 2002. Kelapa Sawit. Penebar Swadaya, Jakarta
- Fengel, D. dan G. Wegener. 1995. Kayu: Kimia, Ultrastruktur, Reaksi-reaksi. Gadjah Mada University Press. Yogyakarta
- Fessenden, R. and Fessenden, J, terjemahan oleh Aloysius P.A. *Kimia Organik*, 1992. edisi ketiga, jilid 1. Erlangga, Jakarta.
- Fessenden, Ralph J; Fessenden, Joan, S ; 1994; “ *Kimia Organik* ”, Edisi III, Jilid 2; Erlangga, Jakarta
- Goenadi, D.H., Away, Y., Suhin, Y., Yusuf, H.H., Gunawan, dan Aritonang, P., 1998. *Teknologi produksi kompos bioaktif tandan kosong kelapa sawit*. Pertemuan Teknis Bioteknologi Perkebunan untuk Praktek. Unit Penelitian Bioteknologi Perkebunan. Bogor, 6-7 Mei 1998.
- Hayashi, J., T. Horikawa., I. Takeda., K. Muroyama, and F.N. Ani. 2002. *Preparing activated carbon from various nutshells by chemical activation with K₂CO₃*. *Carbon* 40:2381-2386
- Li, D.; Zhang, J.; Zhang, X.; Shi, Y., Solvent Effect on Carboxymethylation of Cellulose, *Journal of Applied Polymer Science*, 2003, 49, 741 – 745.
- Li, J.; Qian, X.R.; Wang, L.J. and An, X.H., 2010, *XPS Characterization and Percolation Behavior of Polyaniline-Coated Conductive Paper*, *Bioresources*, 5(2): 712-726
- Lu, P. dan Hsieh, YL. 2010. Preparation and Properties of Cellulose Nanocrystal: Rods, Spheres, and Network. *Carbohydr Polym* 82: 329-336

- Mandal, A. dan Chakrabarty, D. 2011. Isolation of Nanocellulose from Waste Sugarcane Bagasse (SCB) and Its Characterization. *Carbohyd Polym* 86: 1291-1299
- Meenakshi, P., Noorjahan, S.E., Rajini, R., Venkatesvalu, U., Rose, C. and Sastry, T.P. (2002). *Mechanical and Microstructure Study on the Modification of Cellulose Acetate (CA) Film by Blending with Polystyrene (PS)*. Bulletin Material Science 25(1): 25-29
- Morán JI, Alvarez VA, Cyraz VP, Vázquez A. 2008. *Extraction of cellulose and preparation of nanocellulose from sisal fibers*. *Cellulose* 15: 149-159
- Nuringtyas, Tri Rini. 2010. Karbohidrat. Gajah Mada University Press, Yogyakarta.
- Nursyamsu. 1990. Pembuatan Pulp dengan Proses Soda halaman:1-23. BBPK, Bandung
- Park, S.; Baker, J.O.; Himmel, M.E.; Parilla, P.A. and Johnson, D.K., 2010, Cellulose Crystallinity Index: measurement techniques and their impact on interpreting cellulose performance, *Biotechnology for Biofuel*, 3(1):1-10
- Rachmaniah, Orchidea, dkk. 2009. *Acid Hydrolysis Pretreatment of BagasseLignocellulosic Material for Bioethanol Production*. ITS : Surabaya
- Sheltami, RM.; Abdullah, I.; Ahmad, I.; Dufresne, A.; Kargarzadeh, H. 2012. Extraction of Cellulose Nanocrystals from Mengkuang Leaves (*Pandanus tectorius*). *Carbohyd Polym* 88: 772-779
- Smook, G.A., 2002, *Handbook for Pulp and Paper Technologists*, 3rd Edition, USA, Angus Wilde Publications Inc.
- Sjostrom, E., 1995, *Kimia Kayu: Dasar-dasar dan Penggunaan*, edisi ke-2, Gajah Mada University Press, Yogyakarta
- Taherzadeh, M.J.a.K.K. 2007. Acid-Based Hydrolysis Processes for Ethanol from Lignocellulosic Materials: A Review. *Bioresources*, 2(3): 472-499
- Tresnawati, A. 2006. Kajian Spektroskopi Inframerah Transformasi Fourier dan Mikroskop Susunan Elektron Membran Selulosa Asetat dari Limbah Nanas. Skripsi. Bogor: FMIPA IPB