

DAFTAR PUSTAKA

- Alexopoulos, C.J.; Mims, C.W. 1979. *Introductory Mycology*. :1-613
- Alfani, F., Gallifuoco, A., Saporosi, A., Spera, A., and Cantarella, M. 2000. Comparison of SHF and SSF processes for the bioconversion of steam-exploded wheat straw. *Journal of Industrial Microbiology and Biotechnology* **25**. 184-192.
- Anders, Wingren, Galbe M., Zacchi G. 2003. Techno-economic evaluation of producing ethanol from softwood: Comparison of SSF and SHF and identification of bottlenecks. *Biotechnol Prog*. Departmen of Chemical Engineering, Lund University, Sweeden.
- Badan Pusat Statistik. (2012). Berita Resmi Statistik dari Badan Pusat Statistik Tentang Keadaan Pertanian 2013. Diakses Januari 2016 dari www.bps.go.id/brs_file/naker_07mei13.pdf
- Balat, M. 2011. Production of bioethanol from lignocellulosic materials via the biochemical pathway: *A review*. *Energy Conversion and Management* **52** 858–875.
- Cantarella, M., Cantarella, L, Gallifuoco A., Spera, A., Alfani, F. 2004. Comparison of different detoxification methods for steam-exploded poplar wood as a substrate for the bioproduction of ethanol in SHF and SSF. *Process Biochemistry* **39** 1533–1542.
- Chotineeranat, S., Praditsuwana, C., Siritheerasas, P., Tanratian, S. 2004. Reducing Sugar Production from Cassava Pulp Using Enzymes and Ultra-filtration I: Enzymatic Hydrololation. *J. Sci. Res. Chula. Univ.*, **Vol. 29**, No.2 119.
- Crueger, W. and A Crueger. 1984. Organic Feedstocks Produced by Fermentation. In Thomas, D.B (ed.) *Biotechnology: A Texbook of Industrial Microbiology*. Madison: Sinauer Associates Inc.
- Dudley, B. 2017. Statistical Review of World Energy 2017. London : BP p.l.c.
- Feldmann, Horst. 2012. *Yeast: Molecular and Cell Biology*. Weinheim, Germany :Wiley-Blackwell.
- Frazier, W.C. and D.C. Westhoff. 1988. *Food Microbiology*. Mc. Graw-Hill. Wesport, New York. Publishing co. Ltd. Book Inc. P. 112

- Galbe M., Zacchi G. 2007. Pretreatment of Lignocellulosic Materials for Efficient Bioethanol Production. In: Olsson L. (eds) Biofuels. Advances in *Biochemical Engineering/Biotechnology*, **vol 108**. Springer, Berlin, Heidelberg.
- Gandjar, Indrawati, Wellyzar Sjamsuridzal dan Ariyanti Oetari. 2006. *Mikologi Dasar dan Terapan*. Jakarta: Yayasan Obor Indonesia.
- Gauss WF, Suzuki S, Takagi M. 1976. *Manufacture of alcohol from cellulosic materials using plural ferments*. Volume 3990944. Edited by: Office USPT. USA , Bio Research Center Company Limited.
- Mood S. H., Amir H. G., Meisam T., Gholamreza S. J., Gholamhassan N., Mehdi G., Mehdi A. 2013. Lignocellulosic biomass to bioethanol, a comprehensive review with a focus on pretreatment' *Renewable and Sustainable Energy Reviews* **vol. 27**. Elsevier.
- Halford, Nigel G. 2015. *An Introduction to Bioenergy*. Rothamsted Research, UK: World Scientific Publishing Company.
- Hodgson, P.E. 2008. "Nuclear Power and Energy Crisis". London: Modern Age.
- Hoog, G.S. 2000. Atlas of clinical fungi, 2nd ed, Centraalbureau voor Schimmelcultures, Utrecht, The Netherlands: Centraalbureau voor Schimmelcultures.
- Imadi S., Kazi A. 2015. Extraction of Lignin from Biomass for Biofuel Production. In: Hakeem K., Jawaid M., Y. Alothman O. (eds) *Agricultural Biomass Based Potential Materials*. Springer, Cham.
- Jayus, J., Sony S., Ike W., 2017, Produksi Bioetanol Secara SHF dan SSF Menggunakan *Aspergillus niger*, *Trichoderma viride* dan New Aule Instant Dry Yeast pada Media Kulit Ubi Kayu, Jember: Jurnal Agroteknologi Vol. 11 No. 01.
- Kandylis, P., Argyro B., Katerina P., Katerina L., Agapi D., Maria K., Athanasios K. 2016. 'Acidogenesis of cellulosic hydrolysates for new generation biofuels' *Biomass and Bioenergy*. Oxford, United Kingdom: Elsevier.
- Kothari, D.P., K.C. Singal, Rakhes Ranjan. 2011. Renewable Energy Sources and Emerging Technologies. New Delhi :PHI Learning Pvt. Ltd.

- Kumar, R., Wyman, C.E. 2009. Effects of cellulase and xylanase enzymes on the deconstruction of solids from pretreatment of poplar by leading technologies. *Biotechnol. Prog.* **25**, 302–314.
- Mardoni. 2007. Perbandingan Metode Kromatografi Gas dan Berat Jenis pada Kadar Etanol pada Minuman Anggur. *Skripsi*. Fakultas Farmasi. Universitas Sanata Dharma. Yogyakarta.
- Marjoni, R. 2014. Pemurnian etanol hasil fermentasi kulit umbi singkong (*Manihot utilissima* Pohl.) dari limbah industri kerupuk sanjai di Kota Bukit Tiggi berdasarkan suhu dan waktu destilasi. *Jurnal Parmaciana*. Bukit tinggi., **4** (2): 193-200.
- Mishra, R.K. & Mohanty, K. 2018. Characterization of non-edible lignocellulosic biomass in terms of their candidacy towards alternative renewable fuels. *Biomass Conv. Bioref.* **8**: Springer Berlin Heidelberg.
- Nanda, Sonil, Pravakar M., Kamal P., Satya N., Janusz A. Kozinski, Ajay D. 2012. Characterization of North American Lignocellulosic Biomass and Biochars in Terms of their Candidacy for Alternate Renewable Fuels. *BioEnergy Research*. New York: Springer Science.
- Naik, Satya, Vaibhav G., Prasant R., Kathlene J., Ajay D. 2010. Characterisation of Canadian Biomass for Alternative Renewable Biofuel. *Renewable Energy*. New Delhi: World Renewable Energy, Elsevier.
- Nelson, N. 1944. A Photometric Adaptation of Somogyi Method for The Determination of Glucose. *J. Biol. Chem.*
- Olatunji, O., Stephen A., Oluseyi A., P. M. Mashinini, Nkosinathi M. 2018. Experimental investigation of thermal properties of Lignocellulosic biomass: A review. *IOP Conference Series: Materials Science and Engineering*.
- Pandey, A., Selvakumar, P., Soccoll, C.R. dan Nigam, P. 1999. *Solid State Fermentation for The Production of Industrial Enzyme*. Current Science.
- Pardosi, J.L. 2009. ‘Perbandingan Metode Kromatografi Gas dan Berat Jenis Pada Penetapan Kadar Etanol’ *Skripsi*. Universitas Sumatera Utara. Medan.
- Pratiwi, R., Driyanti R., Melisa I. Barliana. 2016. Pemanfaatan Selulosa dari Limbah Jerami Padi (*Oryza sativa*) sebagai Bahan Bioplastik. *IJPST*. Sumedang, Jawa Barat: Universitas Padjajaran.

- Sanchez, C. 2009. *Lignocellulosic residues: Biodegradation and bioconversion by fungi*. Tlaxcala, Mexico :Biotechnology Advances.
- Sri, komaryati. 2010. *Prospek Bioetanol sebagai Pengganti Minyak Tanah*. Pusat Penelitian dan Pengembangan Hasil Hutan. Bogor.
- Stephenson, S. L. 2010. *The Kingdom Fungi: The Biology of Mushrooms, Molds, and Lichens*. Arkansas :Timber Press
- Sun, Y., Cheng, J. 2002. Hydrolysis of lignocellulosic materials for ethanol production: a review, *Journal of Bioresource Technology* **83**. p.1–11.
- Tsafrakidoua, P, Bekatorou, A, Koutinas, A, Kordulis, C, Banat, IM, Petsi, T & Sotiriou, M. 2018. 'Acidogenic fermentation of wheat straw after chemical and microbial pretreatment for biofuel applications' *Energy Conversion and Management*, **vol 160**. Elsevier.
- Taherzadeh, M.J., and Karimi, K. 2008. Pretreatment of Lignocellulosic Wastes to Improve Ethanol and Biogas Production: *A Review*. *International Journal of Molecular Science* **9**. 1621-1651.
- Volk, T. J. 2004. *Trichoderma viridae, the dark green parasitic mold and maker of fungal-digested jeans*. http://botit.botany.wisc.edu/toms_fungi/ nov 2004 .htm
- Waldron, Keith W. 2014. *Advances in Biorefineries : Biomass and Waste Supply Chain Exploitation*. Cambridge, United Kingdom: Elsevier Science & Technology.
- Widyastuti S.M. 2007. *Peran Trichoderma spp. Dalam Revitalisasi Kehutanan di Indonesia*. Yogyakarta: Gajah Mada University Press, 255p.
- Xu F, Ding H, Osborn D, Tejirian A, Brown K, Albano W, Sheehy N, Langston J. 2008. Partition of enzymes between the solvent and insoluble substrate during the hydrolysis of lignocellulose by cellulases. *Journal of Molecular Catalysis B: Enzymatic*,**51**(1-2):42-48.