

DAFTAR PUSTAKA

- Alexopoulos, C. J., dkk. (1996). *Introduction Mycology 4th Edition*. Ney York: John Wiley & Sons, Inc.
- Antonius, D. A., Bellissimi, A. E. dan Brink, J. (2006). Fermentation of Carbon Sources in Biomass Hydrolysates by *Saccharomyces cerevisiae*: current status. *Antonie van Leeuwenhoek* (90): 391–418.
- Batra, L. R. (1991). *Monilia Taxonomy*. [Online]. Tersedia: <http://www.mycobank.org/Biolomics.aspx?Table=Mycobank&MycoBankNr=360531>
- Belitz, H.D., Grosch, W., dan Schieberle, P. (2008). *Food Chemistry*, 4th ed. Berlin: Springer-Verlag.
- Berry, R. K. (1986). Fractionation of the cellulolytic enzymes produced by a species of *Monilia*; purification and properties of an extracellular beta-D-glucosidase. [Online]. Tersedia: <http://www.ncbi.nlm.nih.gov/pubmed/310206>.
- Bhoosreddy, G. L. (2012), Comparative Study of Cellulase Production by *Aspergillus niger* and *Trichoderma viride* Using Solid State Fermentation On Cellulosic Substrates Corncob, Cane Bagasse and Sawdust. *International Journal of Science and Research (IJSR)*.
- Binder, J.B. dan Raines, R.T. (2010). Fermentable Sugars by Chemical Hydrolysis of Biomass. *PNAS* (10). 4516–4521
- Boisset, C., Chanzy, H. dan Henrissa, B. (1999). Digestion of crystalline cellulose substrates by the *Clostridium thermocellum* cellulosome : structural and morphological aspects. *Biochem Journal* (340): 829-835.
- Brink, J. dan Vries, R. (2011). Fungal enzyme sets for plant polysaccharide degradation. *Appl Microbiol Biotechnol* (91): 1477–1492.
- Campbell, dkk. (2008). *Biologi*. Jakarta: Erlangga.
- Chang, T. dan Bardenas, E. A. (1965). The Morphology and Varietal Characteristics of The Rice Plant. *The International Rice Research Institute*.

- Cronquist, A. (1981). *An Integrated System of Classification of Flowering Plants*. New York: Columbia University Press.
- Damisa, D., Ameh, J.B., dan Umoh, V.J. (2008). Effect of chemical pretreatment of some lignocellulosic wastes on the recovery of cellulase from Aspergillus niger AH3 mutant. *African J Biotechnol* (14): 2444-2450.
- Dashtban, M., Schraft, H. dan Qin, W. (2009). Fungal Bioconversion of Lignocellulosic Residues; Opportunities & Perspectives. *International Journal of Biological Sciences* (6):578-595.
- Dekker, R.F.H. (1981). Induction, Localization and Characterization of D-Glucosidases Produced by a Species of Monilia. *Journal of General Microbiology* (198 I): 127,177-184.
- Fatma, H, dkk. (2010). "Production of Bioethanol Via Enzymatic Saccharification of Rice Straw by Cellulase Produced by Trichoderma Reesei Under Solid State Fermentation". *New York Science Journal*. (4),72-78.
- Galbe, M. dan Zacchi, G. (2002). A Review of The Production of Ethanol From Softwood. *Appl Microbiol Biotechnol*. (59), 618–628.
- Gray, P. (1801). *Trichoderma Taxonomy*. [Online]. Tersedia: <http://www.doctorfungus.org/Thefungi/Trichoderma.php>
- Gusakov, A., Elena, G. K., dan Arkady P. S. (2011). Comparison of TwoMethods for Assaying Reducing Sugars in the Determination of Carbohydrase Activities. *Hindawi Publishing Corporation International Journal of Analytical Chemistry*.
- Gong, S. C, dkk. (1981). Direct Fermentation of Cellulose to Ethanol by a Cellulolytic Filamentous Fungus, *Monilia* sp. *Biotechnology Letters*, 2 (3), hlm. 77-82.
- Gomez, A., Arturo & Kwanchai, A. (1995). *Prosedur Statistik Untuk Penelitian Pertanian*. Jakarta: UI Press.
- Hamdiyati, Y. (2012). *Cara Membuat Slide Culture: Petunjuk Praktikum Mikrobiologi*. [Online]. Tersedia: file.upi.edu/.../cara_membuat_slide_culture.pdf. (1 Januari 2014).

Hansen, M. (1883). *Saccharomyces Taxonomy*. [Online]. Tersedia: <http://www.doctorfungus.org/thefungi/Saccharomyces.php>

Hartanti. (2010). *Isolasi dan Seleksi Bakteri Selulolitik Termofilik dari Kawah Air Panas Gunung Pancar, Bogor*. Tesis, Sekolah Pascasarjana, Institut Pertanian Bogor.

Hölker, U., Höfer, M. dan Lenz, J. (2004). Biotechnological advantages of laboratory-scale solid-state fermentation with fungi. *Appl Microbiol Biotechnol* (64): 175–186.

Kadarmoidheen, M, dkk. (2012). Effect of Cellulolytic Fungi on The Degradation of Cellulosic Agricultural Wastes. *International Journal of Applied Microbiology Science*. 1, (2),13- 23.

Kim, O. (2010). *The Haemocytometer (Counting Chamber)*. [Online]. Tersedia: <http://www.microbehunter.com/the-hemocytometer-counting-chamber/>

Kim, D. dkk. (2013). Fungal Diversity of Rice Straw for Meju Fermentation. *J. Microbiol. Biotechnol.* 23(12): 1654–1663

Krogh, K., Mørkeberg, A. dan Jørgensen, H. (2004). Screening Genus Penicillium for Producers of Cellulolytic and Xylanolytic Enzymes. *Biotechnology for Fuels and Chemicals*: 389-401.

Kusnadi. (2001). *Populasi Mikroorganisme yang Berperan dan Optimasi Faktor Lingkungan Fermentasi dalam Pembuatan “Tea Cider”*. Tesis Magister Bidang Khusus Mikrobiologi pada Program Studi Biologi Pasca Sarjana ITB. Bandung: tidak diterbitkan.

Link. (1801). *Penicillium Taxonomy*. [Online]. Tersedia: <http://www.doctorfungus.org/thefungi/penicillium.php>

Lynd, L.R, dkk. (2002). Microbial Cellulose Utilization: Fundamentals and Biotechnology. *Microbiol. Mol. Biol. Rev.* 66 (3): 506-577.

Lopes, L. (2006). *Oryza sativa*. [Online]. Tersedia: <http://www.biorede.pt/page.asp?id=2151>.

Malloch, D. (1997). *Moulds Isolation, Cultivation, Identification*. Departement of Botany, University of Toronto. [Online]. Tersedia: www.botany.utoronto.ca/Researchlabs/MallochLabs/Moulds.

Manpreet, S., Sawraj, S., Sachin, D., Pankaj, S. dan Banerjee, U.C. (2005). Influence of Process Parameters on the Production of Metabolites in Solid-State Fermentation. *Malaysian Jounal of Microbiology*, (1): 1-9.

McKane, L. dan Kandel, J. (1986). *Microbiology Essentials and Applications*. Singapore: McGraw-Hill Inc.

McMillan, J. D. (1994). Pretreatment of Lignocellulosic Biomass. In the series analytic: Enzymatic conversion of biomass for fuels production / edited by M. E. Himmel. *ACS symposium series Journa*).

Mekala, N. K., Singhania, R. R. Sukumaran, S. R., dan Pandey, A. (2008). Cellulase Production Under Solid-State Fermentation by Trichoderma reesei RUT C30: Statistical Optimization of Process Parameters. *Appl Biochem Biotechnol* (151):122–131.

Onions, A.H.S, dkk. (1981). *Smith's Introduction to Industrial Mycology* (7th ed). London: Edward Arnold Publisher.

Pandey, A., Selvakumar, P., Soccol, C.R. dan Nigam, P. (1999). Solid State Fermentation For The Production of Industrial Enzyme. *Current Science* (77): 1-10.

Patrick C.Y., dkk. (2010). Agar block smear preparation : A novel method of slide preparation for preservation of native fungal structures for microscopic examination and long term storage. *Journal of Clinical Microbiology*. 48(9):3053-3061.

Pelczar. (2008). *Mikrobiologi Dasar*. Jakarta: Universitas Indonesia.

Peristiwati., Syulasmi, A. dan Hamdiyati, Y. (2013). Isolasi dan Identifikasi Fungi Penghasil Gula Fermentasi Pada Jerami Padi (*Oryza sativa*, linn) Serta Optimasi Fermentasi Gula Hidrolisatnya Menjadi Etanol oleh Beberapa Jenis Khamir. *Laporan Akhir Penelitian PPKB*. Bandung: UPI.

Pointing, S. B. (1999). Qualitative methods for the determination of lignocellulolytic enzyme production by tropical fungi. *Fungal Diversity* 2.

Pradhan, R. dan Amit, N. (2007). Production of Ethanol From Bagasse. *Thesis Department of Chemical Engineering National Institute of Technology Rourkela.*

Pusat Penelitian dan Pengembangan Tanaman Pangan. (2005). Peluang Menuju Swasembada Beras. Berkelanjutan. *Warta Penelitian dan Pengembangan Pertanian.* 27 (5).

Ramanathan, G., Banupriya, S. dan Abirami, D. (2009), Production and Optimization of Cellulase from *Fusarium oxysporum* by Submerged Fermentation. *Journal of Scientific & Industrial Research* (69): 454-459

Rodhe, A.V, dkk. (2011). Enzymatic Hydrolysis of Sorghum Straw Using Native Cellulase Produced by *T. reesei* NCIM 992 Under Solid State Fermentation Using Rice Straw. *Springer Biotech* (1). 207–215.

Shancez, C. (2009). Lignocellulosic Residues: Biodegradation and Bioconversion by Fungi. *Biotechnology Advances* (27):185-194.

Singh, A., Singh, N. dan Bishnoi, N.R. (2009). Enzymatic Hydrolisis of Chemically Pretreated Rice Straw by Two Indigenous Fungal Strains : A Comparative Study. *Journal of Scientific and Industrial Research* (69): 232-237.

Subramanian, D.K. (2011). Biochemical Conversion of Rice Straw into Bioethanol. Power Point. Department of Biotechnology Bannari Amman Institute of Technology Sathyamangalam.

Suhaimi, S.N, dkk. (2012). Bioconversion of Glycerol for Bioethanol Production Using Isolated *Escherichia coli* SS1. *Brazilian Journal of Microbiology*. 506-516.

Sun, Y, dkk. (2002). Hydrolisis of Lignocellulosic Materials for Ethanol Production: A Review. *Bioresource Technology*.83,1-11.

Syulasmi, A, Hamdiyati, Y, dan Kusnadi. (2012). *Petunjuk Praktikum Mikrobiologi*. Bandung: FPMIPA UPI.

Taherzadeh, M. J. dkk. (2007). Enzyme-Based Hydrolisis Processes For Ethanol From Lignocellulosic Material: A Review. *Bioresources*. 2 (4): 707-738.

- Teather, R. M. dan Wood, P.J. (1982). Use of Congo Red-Polysaccharide Interactions in Enumeration and Characterization of Cellulolytic Bacteria from the Bovine Rumen. *Journal of Applied and Environmental Microbiology*, 4 (43) : 777-780
- Tiwari, P., Misra, B.N., dan Sangwan, N. S. (2013). β -Glucosidases from the Fungus Trichoderma: An Efficient Cellulase Machinery in Biotechnological Applications. *Hindawi Publishing Corporation BioMed Research International*
- WARINTEK. (2000). *Padi (Oryza Sativa)*. [Online]. Tersedia: www.warintek.ristek.go.id/pertanian/padi.pdf (18 Januari 2013)..
- Wyman, C. (1996). Ethanol From Lignocellulosic Biomass: Technology, Economics, and Opportunities. *Bioresource Technology Elsevier Science* (50): 3-16.
- Wyman, C. E. (2005). *Hydrolysis of Cellulose and Hemicellulose: a Review*. [Online]. Tersedia: nsm1.nsm.iup.edu/.../HydrolysisOfCelluloseAndHemicellulose_review.p.
- Yudianto, S. A. (1992). *Pengantar Cryptogamae (Sistematika Tumbuhan Rendah)*. Bandung: Tarsito.