

DAFTAR PUSTAKA

- Abdul A.D., Sailah I., Irawadi, T. T., dan Safriani, 1995, Kajian Kondisi Fermentasi Pada Produksi Selulase Dari Limbah Kelapa Sawit (Tandan Kosong dan Sabut) Oleh *Neurospora sitophila*. *J. Teknologi Industri Pertanian Vol 5(3):199-207*.
- Akaracharanya, Ancharida, Khianggam, S., Tanasupawat, S., Kim, K.K., Lee, K.C., Lee, J.S. 2010. *Annals of Microbiology : Evaluation of the waste from cassava starch production as a substrate for ethanol fermentation by Saccharomyces cerevisiae*. Manila : Università di Milano.
- Anindyawati, Trisanti, 2009, *Prospek Enzim dan Limbah Lignoselulosa untuk Produksi Bioetanol*, Pusat Bogor : Penelitian Bioteknologi-LIPI.
- Boerjan *et al*, 2003, *Annual Review of Plant Biology : Lignin Biosynthesis*, Ghent : Annual Reviews Inc.
- Broda, P., Birch, P.R.J., Brooks, P.R., Sims, P.E.G., 1996, Lignocellulose degradation by *Phanerochaete chrysosporium* : gene families and gene expression for a complex process, *Mol. Microbiol* 19 : 923-932.
- Caño-Delgado, Penfield, S., Smith, C., Catley, M., Bevan, M. 2003, *Reduced cellulose synthesis invokes lignification and defense responses in Arabidopsis thaliana*, Norwich : Mediline.
- Gandjar, I., Robert A.S., Karin V.D., Ariyanti O., dan Iman S., 2000, *Pengenalan Kapang Tropik Umum*, Jakarta : Yayasan Obor Indonesia.
- Hobbie *et al*, 2003, Carbohydrate Use and Assimilation by Litter and Soil Fungi Assessed by Carbon Isotopes and BIOLOG(R) Assays, *Soil Biology and Biochemistry*, **35**(2), 303-311.
- Jørgensen, H., Mørkeberg, A., Krogh, K.B.R., Olsson, L., 2005, Production of cellulases and hemicellulases by three *Penicillium* species: effect of

substrate and evaluation of cellulose adsorption by capillary electrophoresis, *Enzym. Microb. Technol.*, 36 : 42–48.

Khoirunnisya, 2009, Potensi Bakterisida Senyawa Metabolit *Penicillium sp.* Terhadap *Ralstonia solanacearum* Penyebab Penyakit Layu Bakteri pada Caba, *Skripsi*, Bogor : Fakultas Pertanian IPB.

Lehninger, 1982, *Dasar-Dasar Biokimia Jilid I*, Jakarta : Erlangga.

Madigan, MT., Martinko, MJ., Parker, J., 2006, *Brock Biology of Microorganism Eleventh Edition*, San Fransisco : Benjamin-Cummings Publishing.

Martina A, Yuli N, Sutisna M., 2002, Optimasi Beberapa Faktor Fisik terhadap Laju Degradasi Selulosa *Paraserianthes falcataria* (L.) secara Enzimatik oleh Jamur, *Jurnal Natur Indonesia* 4 (2): 156-163.

Maturindo, Syarif, 2014. Hidrolisis Enzimatis Limbah Tongkol Jagung Oleh *Penicillium sp.H9* dengan Variasi pH dan Suhu, *Skripsi*, Surabaya : Fakultas Sains dan Teknologi, Universitas Airlangga

Miller, 1960. Use of Dinitrosalicylic Acid Reagent for Determination of Reducing Sugar, *Analytical Chemistry* 31: 426-428.

Morris, Hein, Leo, R. Best, Scott, P., Susan, A., 1993, *Introduction to Organic and Biochemistry*, California : Brooks Cole Publishing.

Murashima, Koichiro, Kosugi, A., Doi, R., 2002, Synergistic Effects on Crystalline Cellulose Degradation between Cellulosomal Cellulases from *Clostridium cellulovorans*, *Journal of Bacteriology* 184 (18):5088-95.

Musatto S.I, Dragone G, Fernandes M, Milagres A.M.F, Roberto I.C., 2008, The effect of agitation speed, enzyme loading and substrate concentration on enzymatic hydrolysis of cellulose from brewer's spent grain, *Cellulose* 15:711-721.

- Novalina, Ike. 2014, Hidrolisis Enzimatis Limbah Jerami Padi oleh *Penicillium* sp.H9 pada Variasi pH dan Temperatur, *Skripsi*, Surabaya : Fakultas Sains dan Teknologi, Universitas Airlangga.
- Pasanda, O., Aziz, Abdul, 2009, The Extraction of Brown Algae (*Sargassum* sp) Through Calcium Path to Produce Sodium Alginate, *Skripsi*, Makassar : Politeknik Negeri Ujung Pandang.
- Pelczar, Michael J. dan E. C. S. Chan, 2005, *Dasar-dasar Mikrobiologi*, Jakarta : Penerbit Universitas Indonesia (UI-Press).
- Perez-Torrado, R., Gimeno-Alcañiz, J.V., Matallana, E., 2002, Wine Yeast Strains Engineered for Glycogen Overproduction Display Enhanced Viability under Glucose Deprivation Conditions, *Applied Environmental Microbiology* 68 (7):3339-44
- Pratama, Aswind Yudha, 2013, Uji Potensi Isolat Kapang Taman Nasional Alas Purwo sebagai Penghasil Enzim Selulase, *Skripsi*, Surabaya : Fakultas Sains dan Teknologi, Universitas Airlangga.
- Ralph, J., 2014, Lignins: Natural polymers from oxidative coupling of 4-hydroxyphenyl-propanoids, *Phytochem Rev.* 2004;3:29–60.
- Reese, E.T., 1950, Products of enzymatic hydrolysis of cellulose and its derivatives, *Archives of Biochemistry and Biophysics* 31, Issue 3 : 351-365.
- Salim, Emil, 2011, *Mengolah Singkong Menjadi Tepung Mocaf Bisnis Produk Alternatif pengganti Terigu*, Yogyakarta: Lily Publisher.
- Sastrohamidjojo, Hardjono, 2005, *Kimia Dasar*, Yogyakarta: UGM Press.
- Soltani, N., Bahrami, A., Pech-Ganul, M. I., dan Gonzalez, L. A., 2015, Review on the Physicochemical Treatments of Rice Husk for Production of Advanced Materials. *Chemical Engineering Journal* 264, 899-935.
- Sticklen, 2008, Plant genetic engineering for biofuel production: towards affordable cellulosic ethanol, *Nat Rev Genet.* 2008 Jun;9(6):433-43.

- Suryana. A. (2002), *Keragaan perberasan nasional, kebijakan perberasan di Asia*, Regional Meeting in Bangkok, October 2002.
- Susiana, Purwantisari, 2009, Isolasi dan Identifikasi Jamur Indigenus Rhizofer Tanaman Kentang dari Lahan Pertanian Kentang di Desa Pakis, Magelang, *BIOMA. Vol. 11, No. 2* H. 45-53.
- Taherzadeh, M.I., Karimi, Keikhosro, 2007, *Enzym-Based Hidrolysis Process for Etanol from Lignocelullose Material*, Sweden : Boras University.
- Tjitrosoepomo, Gembong, 1998, *Taksonomi Tumbuhan Tinggi*, Yogyakarta : UGM Press.
- Tuomela, Lee, Maria, B., 2000, *Biodegradation of Lignin in A Compost Environment*, Helsinki : Department of Applied Chemistry and Microbiology, University of Helsinki.
- Widayantini, Ni Luh, Wirajana, I Nengah, Suarya, Putu, 2014, Kemampuan Tahan Hutan Mangrove sebagai Sumber Enzim dalam Hidrolisis Enzimatik Substrat Sekam Padi, *Jurnal Kimia Vol. 8*, Denpasar : Universitas Udayana.
- Xu, Zhong, Wang, Qunhui, Jiang, Zhaohua, Yang, Xuexin, Ji, Yongshen, 2006, Enzymatic Hydrolysis of Soybean Straw, *Biomass and Bioenergy Vol. 31*, Harbin : Harbin Institute of Technology.