

REFERENCES

- Abe, S., Horii, S. and Kameoka, K., 1979, "Application of Enzymatic Analysis with Glucoamylase, Pronase and Cellulase to Various Feeds for Cattle", **Journal of Animal Science**, Vol. 48, No. 6, pp. 1483-1490.
- Aguestin and Sinduarta, 1995, "Purification and Characterization of Cellulase Enzyme Isolated from *Volvariella volvaceae*", **Seminar Hasil Penelitian dan Pengembangan Bioteknologi**, 6-7 September 1996, Bogor.
- Alexander, M. 1961, **Introduction to Soil Microbiology**, John Wiley and Sons, New York, pp. 126-128.
- 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**, Vol. 25, No. 4, pp. 184-192.
- Anonymous, 2005, **Isolasi, Identifikasi, dan Evaluasi Jamur dari Lindi Lumpur Selokan dan Sampah Membusuk** [Online], Available : <http://digilib.si.itb.ac.id/go.php?id=jbtitbbi-gdl-sl-2004-denikadirw.30&PHPSESSID=5c727b23db9c79f21fe330619a44cd74> [2011, March 28].
- A.O.A.C., 1984, **Official Methods of Analysis**, Association of Official Analytical Chemists, Washington, D.C., USA, pp. 376-384.
- Ariffin, H., Abdullah N., Umikalsom M.S., Shirai Y. and Hassan M.A., 2008, "Production of Bacterial Endoglucanase from Pretreated Oil Palm Empty Fruit Bunch by *Bacillus pumilus* EB3", **Journal of Bioscience and Bioengineering**, Vol. 106, No. 3, pp. 231-236.
- Atlas, R.M. and Bartha, R., 1981, **Microbial Ecology Fundamental and Application**, Mc Grow Hill Book Company Inc., New York, pp. 289-291.
- Bailey, J., 1986, **Biology and Molecular Biology of Plant-Pathogen-Interactions**, NATO ASI Series, Springer, Berlin, Vol. 1, pp. 343-357.
- Bakare, M.K., Adewale, I.O., Ajayi, A. and Shonukan, O.O., 2005, "Purification and Characterization of Cellulase from the Wild-Type and Two Improved Mutants of *Pseudomonas fluorescens*", **African Journal of Biotechnology**, Vol. 4, No. 9, pp. 898-904.
- Beguin, P. and Aubert, J.P., 1992, **Cellulase**, Encyclopedia Microbiology, Vol. 1, Academic Press, New York, pp. 467-477.
- Beguin, P. and Aubert, J. P., 1994, "The Biological Degradation of Cellulose", **FEMS Microbiology Reviews**, Vol. 13, No. 1, pp. 25-58.

Belaich, A., Parsieglia, G., Gal, Villard, L., Haser, R. and Belaich, J.P., 2002, "Cel9M, A New Family 9 Cellulase of the *Clostridium cellulyticum*", **Journal of Bacteriology**, Vol. 184, No. 5, pp. 1378-1384.

Bhat, M.K. and Bhat, S., 1997, "Cellulose Degrading Enzymes and Their Potential Industrial Application", **Biotechnology Advances**, Vol. 15, No. 3-4, pp. 583-620.

Bhat, M.K., 2000, "Cellulases and Related Enzymes in Biotechnology", **Biotechnology Advances**, Vol. 18, No. 5, pp. 355-383.

BP, 2010, **BP Statistical Review of World Energy June 2010**, [Online], Available: www.bp.com [2012, April 8].

Breznak, J. and Brune, A., 1994, "Role of Microorganisms in the Digestion of Lignocellulose by Termites", **Annual Review Microbiology**, Vol. 39, pp. 453-487.

Cao, Y. and Tan, H., 2002, "Effect of Cellulase on the Modification of Cellulose", **Carbohydrate Research**, Vol. 337, pp. 1291-1296.

Cavaco-Paulo, A. and Gubitz, G.M., 2003, **Catalysis and Processing, in: Textile Processing with Enzyme**, CRC Press, Boca Raton, Florida, USA, pp. 256-258.

Chaplin, M., 2004, The Use of Enzymes in Starch Hydrolysis [Online], Available: [URL:http://www.isbu.ac.uk/biology/enzlech/glucose.html](http://www.isbu.ac.uk/biology/enzlech/glucose.html) [2011, May 5].

Chaplin, M., 2005, **Cellulose**, Available: <http://www/Isbu.ac.uk/water/hycl.html>, [2011, December 30].

Cherry, J.R. and Fidantsef, A.L., 2003, "Directed Evolution of Industrial Enzymes", An Update, **Current Opinion in Biotechnology**, Vol. 14, No. 4, pp. 438-443.

Chellapandi, P. and Himanshu, M.J., 2008. Production of Endoglucanase by the Native Strain of Streptomyces Isolates in Submerged Fermentation, **Brazilian Journal of Microbiology**, Vol. 39, No. 1, pp. 122-127.

Converse, A.O., Matsuno, R., Tanaka, M. and Taniguchi, M., 1988, "A Model for Enzyme Adsorption and Hydrolysis of Microcrystalline Cellulose with Slow Deactivation of the Adsorbed Enzyme", **Biotechnology and Bioengineering**, Vol. 32, No. 1, pp. 38-45.

Davies, F.L. and Williams, S.T., 1970, "Studies on the Ecology of Actinomycetes in Soil, the Occurrence and Distribution of Actinomycetes in a Pine Forest Soil", **Soil Biology and Biochemistry**, Vol. 2, No. 4, pp. 227-238.

Davis, B., 1985, **Factor Influencing Protoplast Isolation, in: Fungal Protoplasts: Applications in Biochemistry and Genetics**, Marcel Dekker, New York, pp. 45-72.

De Long, L., 2004, **Glucose Assay Revisited: Experimental Determination of the Glucose Concentration in Honey** [Online], Available : <http://chemeducator.org/sbibs/s0009004/spapers/9402391d.htm> [2011, December 30].

Deraman, M., 1993, Carbon Pellets Prepared from Fibers of Oil Palm Empty Fruit Bunches: 1.A Quantitative X-Ray Diffraction Analysis, **Palm Oil Research Institute of Malaysia (PORIM) Bulletin**, pp. 26-30.

Dobrev, G.T. and Zhekova, B.Y., 2012, "Biosynthesis, Purification and Characterization of Endoglucanase from Xylanase Producing Strain *Aspergillus niger* B03", **Brazilian Journal of Microbiology**, Vol. 43, No. 1, pp. 70-77.

Duff, S.J.B. and Murray, W.D., 1996, "Bioconversion of Forest Product Industry Waste Cellulosics to Fuel Ethanol: A Review", **Bioresource Technology**, Vol. 55, No. 1, pp. 1-33.

Eggeman, T. and Elander, R.T., 2005, "Process and Economic Analysis of Pretreatment Technologies", **Bioresource Technology**, Vol. 96, No. 18, pp. 2019-2025.

Elberson, M.A., . Malekzadeh, F, Yazdi, M.T., Kameranpour, N., Noori-Dloii, M.R., Matte, M.H., Shahamat, M., Colwell, R.R. and Sowers, K.R., 2000, "*Cellulomonas persica* sp. nov. and *Cellulomonas iranensis* sp. nov., Mesophilic Cellulose-Degrading Bacteria Isolated from Forest Soil", **International Journal on Systematic and Evolution Microbiology**, Vol. 50, No. 3, pp. 993-996.

Ekawati, I., 2003, "Dekomposisi Komponen Lignoselulosa Jerami Padi oleh Beberapa Isolat Bakteri", **Jurnal Natural**, Vol. 7, No. 2, pp. 40-43.

Ekperigin, M. M., 2007, "Preliminary Studies of Cellulase Production by *Acinetobacter anitratus* and *Branhamella* sp", **African Journal of Biotechnology**, Vol. 6, No. 1, pp. 028-033.

Emert, G., Gum, E., Lang J., Liu, T. and Brown, R., 1974, **Cellulase, in Food Related Enzymes**, Advances in Chemistry Series 136, American Chemistry Society, Washington, D.C., USA, pp. 120-135.

Fan, L., Lee, Y. and Gharpuray, M.M., 1982, "The Nature of Lignocellulosics and Their Pretreatments for Enzymatic Hydrolysis", **Advances in Biochemical Engineering Biotechnology**, Vol. 23, pp. 158-183.

Fan, L.T., Gharpuray M.M. and Lee, Y.H., 1987, **Cellulose Hydrolysis**, Springer Verlag, Berlin, Germany, Vol. 3, No. 11, pp. 1-68.

Felsenstein, J., 1993, **PHYLIP (Phylogeny Inference Package)**, Version 3.5c, Department of Genetics, University of Washington, Seattle.

Fengel, D., Wegener, G. And Wood., 1989, **Chemistry, Ultrastructure, Reactions**, Walter de Gruyter, New York, pp. 66-105.

Frikrianda, Iswandi, I., Tresnawati P. and Dwi A.S., 2000, "Isolasi dan Seleksi Bakteri Penghasil Selulase Eksotermofil dari Ekosistem Air Hitam", **Jurnal Mikrobiologi Indonesia**, Vol. 2, No. 1, pp. 48-53.

Galbe, M., and Zacchi, G., 2002, "A Review of the Production of Ethanol from Softwood", **Applied Microbiology and Biotechnology**, Vol. 59, No. 6, pp. 618-628.

Graf, A. and Koehler, T., 2000, **Oregon Cellulose-Ethanol Study: an Evaluation of the Potential for Ethanol Production in Oregon Using Cellulose-Based Feedstocks**, Oregon Department of Energy, Salem, Oregon, USA, pp. 26-35.

Ghose, T.K., 1987, "Measurement of Cellulase Activity", **Pure and Applied Chemistry**, Vol. 59, No. 2, pp. 257-268.

Han, K.N., Hoover, M., Fuerstenau D.W., 1974, "Ammonia-Ammonium Leaching of Deep-Sea Manganese Nodules", **International Journal of Mineral Processing**, Vol.1, No. 3, pp. 215-230.

Hasan, A., Salema, A.A., Ani, F.N. and Abu Bakar, A., 2010, **Review on Oil Palm Empty Fruit Bunch Fiber-Reinforced Polymer Composite Materials** [Online], Available : <http://www.academia.edu/344114/> [2012, December 28].

Haygreen, J.G. and Bewyer, J.L., 1989, **Hasil Hutan dan Ilmu Kayu: Suatu Pengantar**, Translator by Sutjipto A.H., Gadjah Mada Universitas Press, Yogyakarta, Indonesia, pp. 125-130.

Heck, J.X., Hertz, P.F. and Ayub, M.A.Z., 2002, Cellulase and Xylanase Production by Isolated Amazon *Bacillus* Strains Using Soya Bean Industrial Residue Based Solid-State Cultivation, **Brazilian Journal of Microbiology**, Vol. 33, No. 3, pp. 213-218.

Her, S., Lee, H.-S., Choi, S.J., Choi, S.W., Choi, H.J., Yoon, S.S. and Oh, D.H., 1999, "Cloning and Sequencing of β -1,4-Endoglucanase Gene (*celA*) from *Pseudomonas* sp. YD-15", **Letters in Applied Microbiology**, Vol. 29, No. 6, pp. 389-395.

Ishikuro, E., 1993, **Feed Additives**, Modern Media, Vol. 46, No. 5, pp. 289-296.

Jarvis, M., 2003, "Cellulose Stacks up", **Nature**, Vol. 426, No. 6967, pp. 611-622.

Jiang, C.L. and Xu, L.H., 1985, "Isolation Methods for Study of Actinomycete Population", **Microbiology**, Vol. 12, No. 1, pp. 218-220.

Jiang, C.L., Xu, L.H. and Guo, G.Y., 1988, "The Investigation on Actinomycete Population and Resources in Some Areas in Yunnan, V., The Actinomycetes in the Frigid Mountains", **Acta Microbiologica Sinica**, Vol. 28, No. 5, pp. 198-205.

Jiang, C.L., Xu, L.H., Yang, Y.R., Guo, G.Y., Ma, J. and Liu, Y., 1991, "Actinobispora, a New Genus of the Order Actinomycetales", **International Journal of Systematic Bacteriology**, Vol. 41, No.8, pp. 526-528.

Kanti, A., 2005, "Cellulolytic Actinomycetes Isolated from Soil in Bukit Duabelas National Park, Jambi", **Biodiversita**, Vol. 6, No. 2, pp. 85-89

Kassim, M.A., Kheang L.S., Nasrin A.A., Astimar A.A. and Rosnah M.S., 2011, "Bioethanol Production from Enzymatically Saccharified Empty Fruit Bunches Hydrolysate Using *Saccharomyces cerevisiae*", **Research Journal of Environmental Science**, Vol. 5, No. 6, pp. 573-586.

Katamanee, A., 2006, “**Appropriate Technology Evaluation for Oil Palm Product Utilization in Krabi Province, in: Mahidol University, 1 February 2011**” [Online], Available : www.li.mahidol.ac.th/thesis/2549/cd388/4637145.pdf [2012, July 11].

Keller, N.P., Tunner, G. and Bennett, J.W., 2005, “Fungal Secondary Metabolism-from Biochemistry to Genomics”, **Natural Reviews Microbiology**, Vol. 3, No. 1, pp. 937-947.

Kerdsuwan, S. and Laohalidanod, K., 2011, **Renewable Energy from Palm Oil Empty Fruit Bunch** [Online], Available : <http://www.intechopen.com/books/renewable-energy-trends-and-applications/renewable-energy-from-palm-oil-empty-fruit-bunch> [2012, April 20].

Kim, I. C., Park, S. D. and Kim, S. 2004, “Effects of Sulfates on the Decomposition of Cellobiose in Supercritical Water”, **Chemical Engineering and Processing**, Vol. 43, No. 8, pp. 997-1005.

Klemm, D., Philipp, B., Heinze, T., Heinze, U. and Wagenknecht, W, 1998, **Comprehensive Cellulose Chemistry, Fundamentals and Analytical Methods**, Wiley-VCH, Weinheim, pp. 120-130.

Kotchoni, O.S., Shonukan, O.O. and Gachomo, W.E., 2003, “*Bacillus pumilus* BPCR16 a Promising Candidate for Cellulose Production Under Condition of Catabolite Repression”, **Journal of Biotechnology**, Vol. 2, No. 6, pp. 140-146.

Lee, J., 1997, “Biological Conversion of Lignocellulosic Biomass to Ethanol”, **Journal of Biotechnology**, Vol. 56, No. 1, pp. 1-24.

Lehninger, A.L. 2000, **Dasar-Dasar Biokimia Jilid 1 dan 2**, PT. Erlangga, Jakarta, pp. 165-239.

Levy, I., Shani, Z. and Shoseyov, O., 2002, “Modification of Polysaccharides and Plant Cell Wall by Endo-1-4- β -Glucanase and Cellulose-Binding Domains”, **Biomolecular Engineering**, Vol. 19, No. 1, pp. 17-30.

Licht, F.O., 2006, **World Ethanol Markets: the Outlook to 2015**, Agra Europe Special Report: Tunbridge Wells, UK.

Lopez-Contratres, A.M., Gabor, K., Martens, A.A., Renkens, B.A.M., Claassen, P.A.M., Der Oots, J.V. and de Vos, W.M., 2004, “Substrate-Induced Production and Secretion of Cellulases of the *Clostridium acetobutylicum*”, **Applied and Environmental Microbiology**, Vol. 70, No. 9, pp. 5238-5243.

Lowry, O.H., Rosenbrough, N.J., Farr, A.L. and Randall, R.J., 1951, “Protein Measurement with the Folin Phenol Reagent”, **Journal of Biological Chemistry**, Vol. 193, No. 1, pp. 265-275.

Luo, J., Xia, L.M., Lin, J.P. and Cen, P.L., 1997, “Kinetics of Simultaneous and Lactic Acid Fermentation Processes”, **Biotechnology Progress**, Vol. 13, No. 6, pp. 762-767.

Lynd, L.R., Elander, R.T. and Wyman, C.E., 1996, "Likely Features and Costs of Mature Biomass Ethanol Technology", **Applied Biochemistry and Biotechnology**, Vol. 57/58, No. 1, pp. 741-761.

Lynd, L.R., Van Zyl, W.H., McBride, J.E. and Laser, M., 2005, "Consolidated Bioprocessing of Cellulosic Biomass", **Current Opinion in Biotechnology**, Vol. 16, pp. 577-583.

Mach, R.L. and Zeilinger, S., 2003, "Regulation of Gene Expression in Industrial Fungi: *Trichoderma*", **Applied Microbiology and Biotechnology**, Vol. 60, No. 5, pp. 515-522.

Mahlia, T.M.I., Abdulmuin, M.Z., Alamsyah, T.M.I. and Mukhlisien, D., 2001, "An Alternative Energy Source from Palm Waste Industry for Malaysia and Indonesia", **Energy Conversion and Management**, Vol. 42, No. 18, pp. 2109-2118.

Mandels, M., Hontz L. and Nystrom J., 1974, "Enzymatic Hydrolysis of Waste Cellulose", **Biotechnology and Bioengineering**, Vol. 16, No. 11, pp. 1471-1493.

Marsiati, H., 2005, **Isolasi dan Karakterisasi Enzim Selulase dari Jamur *Volvariella volvaceae*** [Online], Available : <http://digilib.itb.ac.id/go.php?id=jbptitbpp-gdl-s2-1989-himminarsi-1735.html> [2011, November 5].

Mashapho, N., 2005, **The Microbial Composition of a Natural Methanogenic Consortium**, Thesis, Departement of Biotechnology, University of The Western Cape, South Africa, pp. 59-60.

McMillan, J.D., 1994, "Pretreatment of Lignocellulosic Biomass", **Enzymatic Conversion of Biomass for Fuels Production**, American Chemical Society, Washington, D.C., Vol. 566, pp. 292-324.

Mielenz, J.R., 2001, "Ethanol Production from Biomass: Technology and Commercialization Status", **Current Opinion in Microbiology**, Vol. 4, No. 3, pp. 324-329.

Miettinen-Oinonen, A., Londesborough, J., Joutsjoki, V., Lantto, R. and Vehmaanper, 2004, "Three Cellulases from *Melanocarpus albomyces* for Textile Treatment at Neutral pH", **Enzymes and Microbial Technology**, Vol. 34, No. 3-4, pp. 332-341.

Millati, R., Niklasson, C. and Taherzadeh, M.J., 2002, "Effect of pH, Time, and Temperature of Overliming on Detoxification of Diluted-Acid Hydrolyzated for Fermentation by *Saccharomyces cerevisiae*", **Process Biochemistry**, Vol. 38, No. 4, pp. 515-522.

Miller, G.I., 1959, "Use of Dinitro Salicylic Acid Reagent for Determination of Reducing Sugar", **Analytical Chemistry**, Vol. 31, No. 3, pp. 426-428.

Murashima, K., Nishimura T., Nakamura Y., Koga J. and Moriya T., 2002, "Purification and Characterization of New Endo-1,4- β -D-Glucanases from *Rhizopus oryzae*", **Enzymes and Microbial Technology**, Vol. 30, No. 3, pp. 319-326.

Morohoshi, N, 1991, **Chemical Characterization of Wood and Its Component, in Wood and Cellulosic Chemistry**, Marcel Dekker, New York, USA, pp. 331-392.

Nakase, T., Matofumi, S., Masako, T., Makiko, H., Takushi, H. and Sakuzo, F., 1994, A Taxonomic Study on Cellulolytic Yeasts and Yeast-Like Microorganisms Isolated in Japan I., Ascomycetous Yeasts Genera *Candida* and *Williopsis*, and a Yeast-Like Genus *Prototheca*, **Journal of Genetic Applied Microbiology**, Vol. 40, No. 6, pp. 519-531.

Nelson, D. L. and Cox, M. M., 2000, "**Lehninger Principles of Biochemistry**", 3th ed., Worth Publishers, New York, USA, pp. 78-79.

Nierstrasz, V.A. and Warmoeskerken, M.M.C.G., 2003, "Process Engineering and Industrial Enzymes Application", **Textile Processing with Enzymes**, CRC Press, Boca Raton, Florida, USA, pp. 256-267.

Nonomura, H., and Ohara, Y., 1969, "Distribution of Soil Actinomycetes, VI., Culture Method Effective for both Preferential Isolation and Enumeration of Microbispora and Streptosporangium Strains in Soil", **Journal of Fermentation Technology**, Vol. 47, pp. 463-469.

Nonomura, H. and Ohara, Y., 1971, "Distribution of Soil Actinomycetes. VIII., Green Spore Group of Microtetraspora, Its Preferential Isolation and Taxonomic Characteristics", **Journal of Fermentation Technology**, Vol. 4, pp. 1-7.

Office of Agricultural Economic, 2010, **In : Agricultural Statistical Data, 20 December 2010** [Online], Available : www.oae.go.th [2012, April 8].

Oksanen, T., Pere, J., Paavilainen, L., Buchest, J. and Viikari, L., 2000, "Treatment of Recycled Kraft Pulps with *Trichoderma reesei* Hemicellulases and Cellulases", **Biotechnology**, Vol. 78, No. 1, pp. 39-48.

Palmqvist, E. and Hahn-Hagerdal, B., 2000, "Fermentation of Lignocellulosic Hydrolysates, II: Inhibitor and Mechanisms of Inhibition", **Bioresources Technology**, Vol. 74, No. 1, pp. 25-33.

Pangastuti, A. 2006, "Definisi Spesies Prokaryota Berdasarkan Urutan Basa Gen Penyandi 16S rRNA dan Gen Penyandi Protein", **Biodiversitas**, Vol. 7, No. 3, pp. 292-296.

Penttila, M., and Limon, C, 2004, "Biotechnological Applications", **Handbook of Fungal Biotechnology**, Marcel Dekker, New York, USA, pp. 125-134.

Perez, R., 1997, "Feeding Pigs in The Tropics", **Food and Agriculture Organization of the United Nations Rome** [Online], Available : www.fao.org/docrep/003/w3647e/W3647E00.htm [2012, April 20].

- Pérez, J., Muñoz-Dorado, J., de la Rubia, T. and Martinez, J., 2002, "Biodegradation and Biological Treatments of Cellulose, Hemicellulose, and Lignin: an Overview", **International Microbiology**, Vol. 5, No. 2, pp. 53-63.
- Poedjiadi, A. and Suprianti, T., 2005, **Dasar-Dasar Biokimia**, Penerbit Universitas Indonesia, Jakarta, pp. 45-50.
- Power, R.F., 2003, "Enzymatic Conversion of Starch to Fermentable Sugar", **The Alcohol Textbook**, Fourth Edition, Nottingham University Press, UK, pp. 113-115.
- Prasertsan, S. and Sajjakulnukit, B., 2006, "Biomass and Biogas Energy in Thailand: Potential, Opportunity and Barriers", **Renewable Energy**, Vol. 31, No. 5, pp. 599-610.
- Qureshi, N. and Manderson G.J., 1995, "Bioconversion of Renewable Resources into Ethanol; An Economic Evaluation of Selected Hydrolysis, Fermentation and Membrane Technologies", **Energy Source**, Vol. 17, No. 2, pp. 241-265.
- Riddle, R. W., 1950, "Permanent Stained Mycological Preparations Obtained by Slide", **Mycologia**, Vol. 42, No. 2, pp. 265.
- Roberto, D.S., Ellen, S.L., Carolina, W., Mariana, M., Youg, K.P. and Eleni, G., 2005, "Production of Xylanase and CMCase on Solid-State Fermentation in Different Residues by *Theroascus aurantiacus* MIEHE", **Brazilian Journal of Microbiology**, Vol. 36, No. 3, pp. 235-241.
- Rochima, E., 2009, **Pemurnian dan Karakterisasi Kitin Deasitilase Termotabil dari *Bacillus* Papandayan Asal Kawah Kamojang Jawa Barat**, Thesis, Fakultas Perikanan dan Ilmu Kelautan, Universitas Padjadjaran, Jatinangor, Bandung, pp. 87-90.
- Ryu, D. and Mandels, M., 1980, "Cellulases: Biosynthesis and Application", **Enzyme and Microbial Technology**, Vol. 2, No. 2, pp. 91-102.
- Schlegel, H.G., 1992, **General Microbiology**, 6th ed., Cambridge University Press, London, UK, pp. 178-190.
- Schwarz, W.H., 2001, "The Cellulosome and Cellulose Degradation by Anaerobic Bacteria", **Applied Microbiology and Biotechnology**, Vol. 56, No. 5-6, pp. 643-649.
- Semedo, L.T., Gomes, R.C., Bon, E.P., Soares, R.M., Linhares, L.F. and Coelho, R.R., 2000, "Endocellulase and Exocellulase Activities of Two *Streptomyces* Strains Isolated from a Forest Soil", **Applied of Biochemistry and Biotechnology**, Vol. 84-86, No. 1-9, pp. 267-276.
- Shabeb, M.S.A., Yonis, M.A.M, Hezayen, F.F. and Noer-Eldein, M.A., 2010, "Production of Cellulase in Low-Cost Medium by *Bacillus subtilis* KO Strain", **World Applied Science Journal**, Vol. 8, No. 1, pp. 35-42.
- Sheehan, J. and Himmel, M., 1999, "Enzymes, Energy, and the Environment: A Strategic Perspective on the U.S. Department of Energy's Research and Development Activities for Bioethanol", **Biotechnology Progress**, Vol. 15, No. 5, pp. 817-827.

Smruti, P., Rao, K.K. and Krishna, M., 1995, "Production of Betaglucosidase by *Aspergillus terreus*", **Current Microbiology**, Vol. 30, No. 5, pp. 255-258.

Sjöström, E., 1993, **Wood Chemistry: Fundamentals and Applications**, 2nd ed., Academic Press, San Diego, USA. pp. 105-117.

Steinkraus, K.H., 1995, Classification of Household Fermentation Techniques, **Background Paper for WHO/FAO Workshop on Assessment of Fermentation as Household Technology for Improving Food Safety**, 11-15 December 1995, Department of Health, Pretoria, South Africa.

Sung, Ye and Cheng, J., 2002, "Hydrolysis of Lignocellulosic Materials for Ethanol Production: a Review", **Bioresource Technology**, Vol. 83, No. 1, pp. 1-11.

Sutedja, M.M., Kartasapoetra A.G. and Sastroatmodjo S., 1991, **Mikrobiologi Tanah**, Penerbit Rineka Cipta, Jakarta, pp. 123-129.

Taherzadeh, M.J., 1999, **Ethanol from Lignocellulose: Physiological Effect of Inhibitors and Fermentation Strategies**, **Chemical Reaction Engineering**, Chalmers University of Technology, Goteborg, Sweden [Online], Available : http://www.academia.edu/445741/Ethanol_From_Lignocellulose_Physiological_Effects_of_Inhibitors_and_Fermentation_Strategies [2013, January 1].

Taherzadeh, M.J. and Karimi, K., 2007, "Acid-Based Hydrolysis Processes for Ethanol from Lignocellulosic Materials: A Review", **Bioresources**, Vol. 2, No. 3, pp. 472-499.

Taherzadeh, M.J. and Karimi, K., 2008, "Pretreatment of Lignocellulosic Wastes to Improve Ethanol and Biogas Production: A Review", **International Journal of Molecular Sciences**, Vol. 9, pp. 1621-1651.

Torget, R., and Hsu, T.A., 1994, "Temperature Diluted-Acid Prehydrolysis of Hardwood Xylan Using a Percolation Process" **Applied Biochemistry and Biotechnology**, Vol. 45, No. 6, pp. 5-22.

Tuncer, M., Kuru, A., Isikli, M., Sahin, N. and Celenk, F.G., 2004, "Optimization of Extra-cellular Endoxylanase, Endoglucanase and Peroxidase Production by *Streptomyces* sp. F2621 Isolated in Turkey", **Journal of Applied Microbiology**, Vol. 97 No. 4, pp. 783-791.

Urlaub, R., 2002, **Enzymes in Fruit and Vegetable Juice Extraction: Enzymes in Food Technology**, Sheffield Academic Press, England, pp. 145-183.

Usama, O., Folakemi, P., Priscilla, J.O. and Ibiyemi, S.A., 2008, "Cellulase Production by Some Fungi Cultured on Pineapple Waste", **Nature and Science**, Vol. 6, No. 2, pp. 64-75.

Van Soest, P.J., Robertson, J.B. and Lewis, B.A., 1991, "Methods for Dietary Fiber, Neutral Detergent Fiber and Non-Starch Polysaccharides in Relation to Animal Nutrition", **Journal of Dairy Science**, Vol. 74, No. 10, pp. 3583-3597.

- Van Wyk, J.P.H. and Mohulatsi, M., 2003, "Biodegradation of Waste Paper by Cellulose from *Trichoderma viride*", **Bioresource Technology**, Vol. 86, No. 1, pp. 21-23.
- Van Zyl, W.H., 1985, "A Study of the Cellulases Produced by three Mesophilic Actinomycetes Grown on Bagasse as Substrate", **Biotechnology and Bioengineering**, Vol. 27, No. 9, pp.1367-1373.
- Walker, L.P. and Wilson, D.B., 1991, "Enzymatic Hydrolysis of Cellulose : An Overview", **Bioresource Technology**, Vol. 36, No. 1, pp. 3-14.
- Wang, S.L. and Chang, W.T., 1996, "Purification and Characterization of Two Bifunctional Chitinase/Lysozyme Extracellularly Produced by *Pseudomonas aeruginosa* K-187 in a Shrimp and Crab Shell Powder Medium", **Applied and Environmental Microbiology**, Vol. 63, No. 2, pp. 380-386.
- Weil, J., Westgate, P., Kohlmann, K. and Ladisch, M.R., 1994, "Cellulose Pretreatments of Lignocellulosic Substrates", **Enzyme and Microbial Technology**, Vol. 16, No. 11, pp. 1002-1004.
- Wyman, C.E., 1994, "Ethanol from Lignocellulosic Biomass: Technology, Economics, and Opportunities", **Bioresource Technology**, Vol. 50, No. 1, pp. 3-15.
- Wyman, C.E., 1996, **Handbook on Bioethanol: Production and Utilization**, Taylor & Francis, Washington, D.C., USA, pp. 1-18.
- Xu, L.H., Li, Q.R. and Jiang, C.L., 1996, "Diversity of Soil Actinomycetes in Yunnan, China", **Applied and Environmental Microbiology**, Vol. 62, No. 1, pp. 244-248.
- Yan, Y., Li, T., Ren, Z. and Li, G., 1996, "A Study on Catalytic Hydrolysis of Peat", **Bioresource Technology**, Vol. 57, No. 3, pp. 269-273.
- Yangdee, B., 2011, **Ten Million Rai of Oil Palm Plantation : A Catastrophe for the Thai People**, In : **World Rainforest Movement**, 1 February 2011, Available: www.wrm.org.uy/countries/Thailand/Catastrophe.pdf [2012, April 8].
- Yanni, S. and Euis, H., 2010, "Utilization of Oil Palm Empty Fruit Bunch (OPEFB) for Bioethanol Production Through Alkali and Diluted Acid Pretreatment And Simultaneous Saccharification and Fermentation", **Indonesian Journal of Chemistry**, Vol. 10, No. 2, pp. 261-267.
- Yoon, J.H., Kang, S.J and Oh, T-K, 2007, "*Chryseobacterium daeguense* sp. Nov., Isolated from Waste Water of a Textile Dye Works", **International Journal of Sistematic and Evolutionary Microbiology**, Vol. 57, No. 6, pp. 1355-1359.
- Zhang, Y.H.P. and Lynd, L.R., 2004, "Toward an Aggregated Understanding of Enzymatic Hydrolysis of Cellulose, Noncomplexed Cellulose Systems", **Biotechnology and Bioengineering**, Vol. 88, No. 7, pp. 797-824.
- Zhang, Y.H.P., Himmel, M.E. and Mielenz, J.R., 2007, "Outlook for Cellulose Improvement Screening and Selection Strategies", **Biotechnology Advances**, Vol. 24, No. 5, pp. 452-481.