

DAFTAR PUSTAKA

- Adams, J.M., Gallagher J.A., and Donnison I.S. 2009. Fermentation study on *Saccharina latissima* for bioethanol production considering variable pre-treatments. *J Appl Phycol*, 21: 569–574.
- Adejumo, I. O., Babalola T. O. and Alabi O. O. 2013. *Colocasia esculenta* (L.) Schott as an Alternative Energy Source in Animal Nutrition. *British Journal of Applied Science & Technology*, 3: 1276-1285.
- Ademiluyi, F.T. and Mepba H. D. 2013. Yield and Properties of Ethanol Biofuel Produced from Different Whole Cassava Flours, *Hindawi Publishing Corporation ISRN Biotechnology*, 1-7.
- Ado, S. A., Olukotun G.B., Ameh J. B., and Yabaya A. 2009. Bioconversion Of Cassava Starch to Ethanol in A Simultaneous Saccharification and Fermentation Process by Co-Cultures of *Aspergillus Niger* and *Saccharomyces Cerevisiae*. *Science World Journal*, 4: 19-22.
- Alcantara, R.M., Hurtada W.A., and Dizon E.I. 2013. The Nutritional Value and Phytochemical Components of Taro [*Colocasia esculenta* (L.) Schott] Powder and its Selected Processed Foods. *College of Human Ecology*, 3: 1-7.
- Almodares, A. and Hadi M. R. 2009. Production of bioethanol from sweet sorghum: A review. *African Journal of Agricultural Research*, 4: 772 – 780.
- Anozie, A.N. and Aderibigbe A.F. 2011. Optimization Studies of Cassava Starch Hydrolysis using Response Surface Method. *New Clues in Science*, 1: 37-43.
- BeMiller, J.N. and Whistler R. 2009. Starch: Chemistry and Technology. *Academic Press Incorporated*.
- Bothast, R. J., and Schlicher M. A. 2005. Biotechnological processes for conversion of corn into ethanol. *Appl Microbiol Biotechnol*, 67: 19-25.

- Buratti, C., Barbanera M., and Fantozzi F. 2008. Environmental balance of bioethanol from corn grain: evaluation of different procedures of co-products allocation. 16th European Biomass Conference and Exhibition. Spain, 2621-2628.
- Collares, R.M., Luiza V.S.M, Mariana M.B., Nina P.G.S., Marcio A.M., Dilson A.B., and Lisiane M.T. 2012. Optimization of Enzymatic Hydrolysis of Cassava to Obtain Fermentable Sugars. *Journal of Zhejiang University-Science B (Biomedicine and Biotechnology)*, Vol.13(7), pp.579-586.
- Day, A. A dan Underwood A. L. 2002. Analisis Kimia Kuantitatif. *Erlangga*. Jakarta.
- Departemen Pertanian Badan Penelitian dan Pengembangan Pertanian Komisi Plasma Nutfah, 2002. http://indoplasma.or.id/publikasi/pdf/guidebook_kd, diakses pada 23 September 2013.
- Elander, R.T. and Pustche. 1996. Handbook on Bioethanol, *Taylor and Francis Publication*, 329-350.
- Fangrui, Ma dan Hanna M. A. 1999. Biodiesel production: a review. *Bioresource Technology Elsivier*, 70: 1-15.
- Fatmawati, A., Soeseno, N., Chiptadi, N., dan Natalia, S. 2008. Hidrolisis Batang Padi dengan Menggunakan Asam Sulfat Encer, *Teknik Kimia*, 3(1): 187-191.
- Fennema. 1996. Food Chemistry^{3th}. *Marcel Dekker Inc*. New York, 167- 196.
- Fogarty, W.M. 1991. Microbial Enzymes and Biotechnology. *Applied Science Publisher*. London and New York.
- Giancoli, C Douglas. 1998. *Fisika Jilid I Edisi Kelima*. Penerjemah: Yunilza Anum. *Erlangga*. Jakarta.
- Ghazali, A. 2012. Spectroscopic Determination of Starch in Paper. 1-27.
- He, M.-X., Feng H., Bai F., Li Y., Liu X., and Zhang Y.-Z. et al. 2009. Direct production of ethanol from raw sweet potato starch using genetically engineered *Zymomonas mobilis*. *African Journal of Microbiology Research*, 3: 721-726.
- Jirarat, T., Sukruedee A., Pasawadee P. 2006. Chemical and Physical Properties of flour extracted from Taro *Colocasia esculenta* (L) Schott grown in different regions of Thailand. *Science Asia*, 32: 279-284.
- Judaibi, A.A.A. 2011. Effect of Some Fermentation Parameters on Ethanol Production from Beet Molasses by *Saccharomyces cerevisiae* CAIM13. *American Journal of Agricultural and Biological Sciences*, 6: 301-306.

- Kim, H-Y., Ju H.L., Kim J-Y., Lim W-J, and Lim S-T. 2012. Characterization of Nanoparticles Prepared by Acid Hydrolysis of Various Starches. *Starch/Starke*, Vol.64, pp.367–373.
- Kirk, R. E., and R. F. Othmer. 1951. Encyclopedia of Chemical Technology, *John Wiley and Sons Ltd. Canada*, 9.
- Kowalski, S., Marcin L., and Wiktor B. 2013. Applicability of Physico-chemical Parameters of Honey for Identification of The Botanical Origin. *Acta Scientiarum Polonorum*, 2(1): 51-59.
- Kulp K. 1975. Carbohydrate. Di dalam : Gerald Reed (Ed). Enzymes in Food Processing. *Academic Press*. New York.
- Lehninger L. A. 1993. Dasar-Dasar Biokimia. *Erlangga*. Jakarta
- Lima, M. A. P. and Alexandra, P. P. N. 2012. Bioethanol. *InTech*, 1-302.
- Lodder, J . 1970 . The Yeast : A Taxonomic Study Second Revised and Enlarged Edition . *Northholland publishing*.
- Lone, M.A., Wani M.R., Bhat N.A., Sheikh S.A. and Reshi M.A. 2012. Evaluation of Cellulase Enzyme Secreted by Some Common and Stirring Rhizosphere Fungi of *Juglans Regia* L. by DNS Method. *Journal of Enzyme Research*, 3: 18-22.
- Markou, G.1., Angelidaki I., Nerantzis E., and Georgakakis D. 2013. Bioethanol Production by Carbohydrate-Enriched Biomass of *Arthrosphaera* (*Spirulina*) *platensis*. *Energies*, 6: 3937-3950.
- Marx, J. L. 1991 . Revolusi Bioteknologi . Terjemahan: Wilder Yatim. Edisi I, Cetakan 1. *Yayasan Obor Indonesia*. Jakarta, 69-73.
- Mathews, van Holde and Ahern. 2000. Biochemistry, 3rd Edition. San Fransisco. *Benjamin/Cummings*, 278-310.
- McAloon, A., Taylor F., and Yee w., *et al.*, 2000. Determining the Cost of Producing Ethanol from Corn Starch and Lignocellulosic Feedstocks. *U.S. Department of Agriculture, Eastern Regional Research Center, and Agricultural Research Service*. Technical Report.
- Mishra, M. S., Chandrashekhar B., Tanushree, C And Kanwal S. 2011. Production Of Bio-Ethanol From Jatropha Oilseed Cakes Via Dilute Acid Hydrolysis And Fermentation By *Saccharomyces Cerevisiae*. *International Journal of Biotechnology Applications*, 3: 41-47.

- Moxley, G., Zhu Z., and Zhang Y. H.P. 2008. Efficient Sugar Release by the Cellulose Solvent-Based Lignocellulose Fractionation Technology and Enzymatic Cellulose Hydrolysis. *Journal Agricultural Food Chemistry*, Vol.56, pp.885-890.
- Najafpour, G., Younesi H., and Ku S. 2004. Ethanol Fermentation in An Immobilized Cell Reactor using *Saccharomyces cerevisiae*. *Bioresource Technology*, 92: 251–260.
- Ndabikunze, B. K., Talwana H. A. L. , Mongi R. J., Issa Z.A., Serem A. K., Palapala V. and Nandi J. O. M. 2011. Proximate And Mineral Composition Of Cocoyam (*Colocasia Esculenta* L. And *Xanthosoma Sagittifolium* L.) Grown Along The Lake Victoria Basin In Tanzania And Uganda. *African Journal of Food Science*, 5: 248 – 254.
- Ocloo, F.C.K. dan Anyernor G.S. 2010. Production of alcohol from cassava flour hydrolysate. *Journal of Brewing and Distilling*, 1(2): 15-21.
- Olorunsola, E.O., Isah A.B., and Allagh T.S. 2011. Effects Of Varying Conditions Of Acid Hydrolysis On Some Physicochemical Properties Of *Ipomoea Batatas* Starch. *Nigerian Journal of Pharmaceutical Sciences*, 10: 73–80.
- Page, S. D., and Soendoro R. 1997. Prinsi-prinsip Dasar Biokimia. *Erlangga*. Surabaya.
- Pasaribu, G.T. 2009. Zat Ekstraktif Kayu Raru Dan Pengaruhnya Terhadap Penurun Kadar Gula Darah Secara *In Vitro*. *Tesis*. Institut Pertanian Bogor. Bogor.
- Poedjiadi, A. 1994. Dasar-Dasar Biokimia. *Penerbit Universitas Indonesia (UI-Press)*. Jakarta.
- Purohit, S.R. and Mishra B.K. 2012. Simultaneous Saccharification and Fermentation of Overnight Soaked Sweet Potato for Ethyl Alcohol Fermentation. *Advance Journal of Food Science and Technology*, 4: 56-59.
- Putri, L.S.E. dan Sukandar D. 2008. Konversi Pati Ganyong (*Canna edulis Ker.*) Menjadi Bioetanol melalui Hidrolisis Asam dan Fermentasi. *B I O D I V E R S I T A S*, 9(2): 112-116.
- Rinaldy, W. 1987. Pemanfaatan Onggok Singkong (*Manihot esculenta Crantz*) Sebagai Bahan Pembuatan Etanol. *Skripsi*. Institut Pertanian Bogor. Bogor.
- Skoog, D.A., Holler F.J., and Nieman T.A. 1998. Principles of Instrumental Analysis Ed ke-5. Orlando. Hourcourt Brace.
- Subekti, H. 2006. Produksi Etanol dari Hidrolisat Fraksi Selulosa Tongkol Jagung oleh *Saccharomyces cerevisiae*. *Skripsi*. Institut Pertanian Bogor. Bogor.

- Supatmawati. 2010. Rekayasa Bioproses Produksi Bioetanol dari Hidrolisat Pati Sagu (*Metroxylon Sp.*) Menggunakan *Saccharomyces Cerevisiae* Var. *Ellipsoides* pada Kultivasi Nir-Sinambung dan Semi Sinambung. *Thesis*. Sekolah Pascasarjana Institut Pertanian Bogor. Bogor.
- Supriyanto, R. 1990. Kimia Analitik. *Universitas Lampung*. Lampung.
- Suriawiria, U. 1990. Pengantar Biologi Umum. *Penerbit Angkasa*. Bandung.
- Taherzadeh, M.J., and Karimi K., 2007. Acid-Based Hydrolisis Processes For Etanol From Lignucelulosic Materials: A Review. *Bio-Resources*, 472-499.
- Teerapatr, S. 2004. Approach of Cassava Waste Pretreatments for Fuel Ethanol Production in Thailand. *Journal Scientific and Research*. 31.
- Tutt, M., Kikas T., and Olt J. 2012. Influence of different pretreatment methods on bioethanol production from wheat straw. *Agronomy Research*, 1: 269-276.
- Walker, G. 2011. Fuel Alcohol: Current Production and Future Challenges (125th Anniversary Review). *Journal Inst Brew*, 117: 3-22.
- Wibowo, S. dan Nauli A. 2010. Pengembangan Bioenergi: Peluang dan Tantangan. Balai Penelitian Kehutanan. Prosiding *Seminar Sehari Hasil-Hasil Penelitian: Peran Penelitian dan Pengembangan pada Pembangunan Kehutanan di Sumatera Utara*, 211-217.
- Woiciechowski, A.L., Nitsche S., Pandey A., and Soccol C.R. 2002. Acid and Enzymatic Hydrolysis to Recover Reducing Sugar from Cassava Baggase: An Economic Study. *International Journal*, 45: 393-400.
- Zamora, L.L., Calderón J.A.G., Vázquez, E.T., and Reynoso E.B. 2010. Optimization of Ethanol Production Process from Cassava Starch by Surface Response. *Journal Mexico. Chemistry. Society*, 54(4): 198-203.
- Zhang, K. and Feng H. 2010. Fermentation Potentials of *Zymomonas mobilis* and Its Application in Ethanol Production from Low-cost Raw Sweet Potato. *African Journal of Biotechnology*, 9(37): 6122-6128.