

DAFTAR PUSTAKA

- Amarasekara, A. S., Owereh, O. S. (2009). Hydrolysis and Decomposition of Cellulose in Bronsted Acidic Ionic Liquids Under Mild Conditions. *Ind. Eng. Chem. Res.*, 48, 10152-10155.
- Arato, C., Pye, E. K., Gjennestad, G. (2005). The lignocelullose approach to biorefining of woody biomass to produce ethanol and chemicals. *Appl. Biochem. Biotechnol.*, 12, 124: 871-882.
- Davis, J., Fox, P. A. (2003). From Curicities to Commodities: Ionic Liquids Begin the Transition. *Chem. Commun.*, 1209.
- Divya, B., Tyagi, V. K. (2006). Fatty Imidazolines: Chemistry, Synthesis, Properties, and Their Industrial Applications. *Harcourt Butler Technological Institute.*, 7, 319-329.
- Divya, B., Tyagi, V. K. (2008). Microwave Synthesis of Cationic Fatty Imidazolines and their Characterization. *AOCS*.
- Departemen Pertanian. (2007). Statistik Pertanian 2007. Departemen Pertanian, Jakarta.
- Fahrurrozie, Sunarya, Y., Mudzakir, A. (2010). Efisiensi Inhibisi Cairan Ionik Turunan Imidazolin sebagai Inhibitor Korosi Baja Karbon dalam Larutan Elektrolit Jenuh Karbon Dioksida. *Jurnal Sains dan Teknologi Kimia.*, 100-111.
- Fardiaz, S. (1992). Mikrobiologi Pangan 1. Gramedia Pustaka Utama. Jakarta.
- Forsyth, A., MacFarlane, D.R. (2003). 1-Alkyl-3-methylbenzotriazolium Salts: Ionic Solvents and Electrolytes. *J. Mater. Chem.*, 13, 2451-2456.
- Gayang, F., (2013). Konversi Lignoselulosa Tandan Kosong Kelapa Sawit Menjadi Gula Pereduksi Menggunakan Enzim Xilanase Dan Selulase Komersial. Departemen Biokimia, Fakultas Matematika dan Ilmu Pengetahuan Alam, IPB.
- Gordon, C. M. (2003). Synthesis and Purification of Ionic Liquid, dalam Ionic Liquid in Synthesis. *P. Wasserscheid dan T. Welton (Eds.)*, Wiley Verlag, Frankfurt.
- Hardian, A., Mudzakir, A., Sumarna, O. (2010). Sintesis dan karakterisasi kristal cair ionik berbasis garam fatty imidazolinium sebagai elektrolit

- redoks pada sel surya tersensitisasi zat warna. *Jurnal Sains dan Teknologi Kimia*, 1, 7-16.
- Hagiwara, R., Ito, Y. (2000). Room Temperature Ionic Liquids of Alkylimidazolium Cations and Fluoroanions. *Journal of Fluorine Chemistry.*, 105, 221.
- Henniges, Z. (2006). Bioengineering and Agriculture: Promises and Challenges. International Food Policy Research Institute.
- Hermiati, E., Mangunwidjaja, D. (2009). Pemanfaatan Biomassa Lignoselulosa Ampas Tebu Untuk Produksi Bioetanol. UPT BPP Biomaterial - LIPI.
- Howard, R.L., Abotsi, J.E.L. (2003). Lignocellulose biotechnology: Issues of bioconversion and enzyme production. *Afr. J. Biotechnol.* 2, 602-619.
- Ida, E. (2008). Biomassa sebagai Bahan Baku Bioetanol. *Jurnal Litbang Pertanian* .,28, 3.
- Jello, J. (2003). Reaksi Kimia dalam "Pelarut Hijau". [Online]. Tersedia : <http://jelli-jello.co.id/listarticle1> [20 Agustus 2013].
- Khairani, R. (2007). *Tanaman Jagung Sebagai Bahan Bio-fuel*. [Online]. Tersedia:<http://www.macklintmip-unpad.net/Bio-fuel/Jagung/Pati.pdf>. [25 Maret 2013]
- Knauf, M., Moniruzzaman, M. (2004). Lignocellulosic biomass processing: A perspective. *Intl. Sugar J.*,106,147-150.
- Krishnamachari, P., Hashaikeh, R., Chiesa, M., Gad el Rab, R. M. (2011). Effects of Acid Hydrolysis Time on Cellulose nanocrystals Properties: Nanoindentation and Thermogravimetric Studies. *Cellulose Chemistry and Technology*, 46, 13-18.
- Lavarack, G. J., Griffin, D. R. (2002). Biomass and Bioenergy. *ChemSusChem* ., 5, 367 –380.
- Li, C. (2009). Comparison of dilute acid and ionic liquid pretreatment of switchgrass: Biomass recalcitrance, delignification and enzymatic saccharification. *Journal Bioresource Technology*.
- Linda. (2007). Kajian tentang aktivitas enzim selulase *Trichoderma viride* pada berbagai macam limbah selulosa. Program Studi Biologi, Jurusan Pendidikan Biologi, FPMIPA UPI.

- Lee, K., Lee, M., Lin, I. J. (2003). Supramolecular Liquid Crystals, *J. Mater. Chem.*, 13, 1079.
- Lee, S., Doherty, T., Linhardt, R., Dordick, J. (2008). Ionic Liquid-Mediated Selective Extraction of Lignin From Wood Leading to Enhanced Enzymatic Cellulose Hydrolysis. *Biotechnology and Bioengineering*, Vol. 102, 5.
- Mancino, A. (2006). Making Ethanol from Cellulose. *Los Alamos Energy Security*.vol 2., 1.
- Maryam, S. (2010). Pengolahan Awal Biomassa Bagas Menggunakan Cairan Ionik Berbasis Kation Benzotriazolium Untuk Pemrosesan Selulosa Menjadi Glukosa. Program Studi Kimia, Jurusan Pendidikan Kimia, FPMIPA UPI.
- Mudzakir, A., (2004). Zur Chemie des carbenanalogen 1,3-Dimethyl-1,2,3-benzotriazolium-iodid. Disertasi. Universitas Magdeburg.
- Murakami, M., Kaneko, Y., Kadokawa, J. (2007). Preparation of cellulose-polymerized ionic liquid composite by in-situ polymerization of polymerizable ionic liquid in cellulose-dissolving solution. *Carbohydrate Polymers.*, 69, 378–381.
- Orchidea, R. (2009) . Pengaruh *Liquid Hot Water* terhadap Perubahan Struktur Sel Bagas. *Prosiding Seminar Nasional XIV - FTI-ITS* Surabaya.
- Peters, J. (2004). Strukturuntersuchungen an Cellulose und Cellulosederivaten aus ionischen Lösemitteln. Disertasi pada Fakultas für Chemie und Physik der Technischen Universität Bergakademie Freiberg Jerman.
- Rosa, M. F., Medeiros, E. S., Malmonge, J. A., Wood, D. F., Orts, W. J., Imam, S. H. (2009). Cellulose nanocrystals from coconut fiber: Preparation and Characterization. *International Conference on Advanced Materials* (p. 1). Rio de Jenerio: ICAM.
- Sanusi, A. (2012). Material Pelumas Media Magnetik Ramah Lingkungan Berbasis Garam *Fatty Imidazolinium*. Program Studi Kimia, Jurusan Pendidikan Kimia, FPMIPA UPI.
- Shaker, N.O., Badr, E.E., dan Kandeel, E. M. (2011). Adsorption and Inhibitive Properties of Fatty Imidazoline Surfactans on Mild Steel. *Der Chemica Sinica.*, 26-35.

- Shamsuri, A. A., Kuang, D. (2010). Ionic Liquids: Preparations And Limitations. *Makara science.*, 14, 101-106.
- Sun, N. (2010). Dissolution And Processing of Cellulosic Materials With Ionic Liquids: Fundamentals and Application. Tuscaloosa: University of Alabama.
- Swatloski, R. P., Holbrey, J. D., Spear, S K., dan Rogers R. D. (2002). Ionic Liquids for the Dissolution and the Regeneration of Cellulose . Department of Chemistry and Center for Green Manufacturing, The University of Alabama.
- Swatloski, R. P., Spear, S. K., Holbrey, J. D., Rogers, R. D. (2002). Dissolution of Cellose with Ionic Liquids. *J. AM. CHEM. SOC.*, 124, 4974-4975
- Taherzadeh, M. J., Karimi, K. (2007). Enzyme-based hydrolysis processes for ethanol from lignocellulosic materials: a review. *BioResources.*, 2,707-738.
- Toma, G., Gotov, B., Solcaniova, E. (2000). Enantioselective Allylic Substitution Catalyzed by Pd⁰-Ferrocenylphosphine Complexes in [Bmim][PF₆] IonicLiquid. *Green Chem.*, 2, 149.
- Tyagi,R., Tyagi, V., Pandey, S. K. (2007). Imidazoline and Its Derivates : An Overreview. *Journal of Oleo Science.*, 5, 211-222.
- Wahyuningrum, D., Achmad, S., Syah, Y. M., Buchari, Ariwahjoedi, B. (2008). The Synthesis of Imidazoline Derivative Compounds as Corrosion Inhibitor towards Carbon Steel in 1% NaCl Solution. *ITB J. Sci.*, 40 A, 33-48.
- Wang, J., Zhang, Y., Zheng, Y. (2003). The application of ionic liquids in dissolution and separation of lignocellulose. Henan Normal University and Chinese Academy of Sciences.
- Wyman, C.E. (2002). Potential Synergies and Challenges in Refining Cellulosic Biomass to Fuels .Biotechnol Progress.
- Yanuar, S. (2009). Cairan Ionik berbasis kation Benzotriazolium sebagai Pelarut Ionik pada proses pelarutan dan rekonstitusi Selulosa. Program Studi Kimia, Jurusan Pendidikan Kimia, FPMIPA UPI.
- Yue, Y. (2007). A Comparative Study of Cellulose I and II Fibers and Nanocrystals. Louisiana: Heilongjiang Institute of Science and Technology.

- Zang, Y., Xue, G., Zhang, X., Zhao, Y. (2012). Enzymatic Preparation of Nanocrystalline Cellulose from Bamboo Fibers. *Advanced Materials Research.*, 441, 754-758.
- Zhao, H., Jones, C.I.L., Baker, G.A., Xia, S., Olubajo, O., Person, V.N. (2009). Regenerating cellulose from ionic liquids for an accelerated enzymatic hydrolysis. *Journal of Biotechnology.*, 139, 47-54.
- Zhu, S., Wu, Y., Chen, Q., Yu, Z., Wang, C., Jin, S., Ding, Y., Wu, G. (2006). Dissolution of cellulose with ionic liquids and its application: a mini-review. *Green Chemistry.*, 8, 325-327.

