

DAFTAR PUSTAKA
www.itk.ac.id

- Agustina, Siti. (2005). "Proses Aktivasi Ulang Arang Aktif Bekas Adsorpsi Gliserin Dengan Metode Pemanasan." *Buletin Penelitian*. Vol. 27, No. 1
- Alvira, et al. (2010). "Pretreatment technologies for an efficient bioethanol production process based on enzymatic hydrolysis." *Bioresource Technology*, 101, 4851-4861.
- Ambarita, Poltak. TD., Djulia Onggo, I Nyoman Marsih. (2019). "SIntesis MEtanol dengan Reaksi Fischer-Tropsch Menggunakan Katalis Cu/SiO₂". *Jurnal Keramik dan Gelas Indonesia*, Vol. 27 No.2, 112-120.
- Anirinai, G. Wilda, Nurul F. Apriliani, Eko Sulistiono. (2018). "Hidrolisis Polisakarida Xilan Jerami Menggunakan larutan Asam Kuat untuk Bahan Dasar Produksi Bioetanol". *Jurnal Ilmiah Sains*, Vol. 18 (2).
- Badan Pusat Statistik Kalimantan Selatan. (2019). "Statistik Daerah Kabupaten Barito Kuala". Kalimantan Selatan : Badan Pusat Statistik.
- Badan Pusat Statistik Kalimantan Selatan. (2020). "Luas Panen dan Produksi Padi di Kalimantan Selatan 2019". Kalimantan Selatan : Badan Pusat Statistik.
- Badan Pusat Statistik Barito Kuala. (2020). "Provinsi Kalimantan Selatan dalam Angka". Barito Kuala : Badan Pusat Statistik.
- Brownell, Lloyd E. dan Edwin H. Young. (1959). "*Process Equipment Design.*" New York : John Wiley & Sons.
- Chen, Ye, et al. (2007). "Potential of Agricultural Residues and Hay for Bioethanol Production". *Biological Systems Engineering: Papers and Publications*, 79, 276-290.
- Chukwuma. (2016). "Xylitol : One name, Numerous Benefit." Department of Biochemistry, School of Life Sciences : University of KwaZulu-Natal. South Africa
- Devi, dkk. (2019). "Kandungan Lignin, Hemiselulosa Dan Selulosa Pelepah Salak Pada Perlakuan Awal Secara Fisik Kimia Dan Biologi." *Jurnal Ilmiah Rekayasa Pertanian dan Biosistem*, Vol. 7, No.2
- Fairus, Sirin, dkk. (2013). "Kajian Pembuatan Xilitol dari Tongkol Jagung Melalui Proses Fermentasi". *Jurnal Biologi*, Vol. 6 (2).
- Fuadi, AM., Kun Harismah, Adi Setiawan. (2015). "Pengaruh Suhu dan pH terhadap Banyaknya Yield (Kadar Glukosa) yang Dihasilkan pada Proses

Handayani, Fransisca Eka. (2010). "Biokonversi Xilosa Menjadi Xilitol Melalui Optimasi Aerasi dan Penambahan Kosubstrat Oleh *Candida Tropicalis*". Institut Pertanian Bogor : Departemen Biokimia.

Hidrolisis Enzimatis dari Limbah Kertas". Universitas Muhammadiyah Surakarta : Simposium Nasional RAPI XIV.

Geankoplis, Christie J. (2003). "*Transport Processes and Unit Operations 3rd Ed.*" New Jersey : Pearson Education, Inc.

Hidayat, M. Rusdi. (2013). "Teknologi Pretreatment Bahan Lignoselulosa dalam Proses Produksi Bioetanol". *Biopropal Industri, Vol. 4 No.1, 33-48.*

Hudaya, Tedi. (2016). "The Effect of Catalyst Support on the Bimetallic Ni-Ag Hydrogenation Catalyst Activity." Yogyakarta : UPN Veteran.

Industry Experts. (2014). "Xylitol a Global Market Overview". Industry Experts : Redefines Business Acumen.

Industry Experts. (2017). "Xylitol a Global Market Overview". Industry Experts : Redefines Business Acumen.

Jiang, Liqun, et al.. (2016). "The Integration of Dilute Acid Hydrolysis of Xylan and Fast Pyrolysis of Glucan to Obtain Fermentable Sugars". *Biotechnology for Biofuels* 9:196.

Kern, Donald Q. (1965). "*Process Heat Transfer. International Edition.*" Tokyo : McGraw-Hill Book Company.

Khan, M. Azam. (2010). "Hydrolysis of Hemicellulose by Commercial Enzyme Mixtures". Lulea University of Technology.

Kumar P, Barrett DM, Delwiche MJ, Stroeve P. (2009). Methods for pretreatment of lignocellulosic biomass for efficient hydrolysis and biofuel production. *Ind. Eng. Chem. Res.* 48, 3713–3729.

Kurniaty, Ika, dkk. (2017). "Proses Delignifikasi Menggunakan NaOH dan Amonia (NH₃) Pada Tempurung Kelapa". *Jurnal Integrasi Proses*, Vol. 6, No.4, 197-201.

Laylah, Nur, dan Samsuadi. (2014). "Studi Lama Penyimpanan Gabah Organik Terhadap Mutu Beras Organik di PPLH Seloliman Mojokerto". *Jurnal Galung Tropika*, Vol. 3 No. 2, 89-96.

Levenspiel, Octave. (1999). "*Chemical Reaction Engineering, Third Edition.*" United States of America : John Wiley & Sons.

- Liu, Jing. (2018). "Novel Kinetic Models of Xylan Dissolution and Degradation during Ethanol Based Auto-Catalyzed Organosolv Pretreatment of Bamboo." Department of Civil and Environmental Engineering, Brunel University London,
- Mardina, Primata, Hendry Agusta Prathama, Deka Mardiana Hayati. (2014). "Pengaruh Waktu Hidrolisis dan Konsentrasi Katalisator Asam Sulfat terhadap Sintesis Fulfural dari Jerami Padi". *Konversi*, Vol.3 (2).
- Ma'ruf, Anwar, Bambang Prambudono, Nita Aryanti. (2017). "Lignin Isolation Process from Rice Husk by Alkaline Hydrogen Peroxide : Lignin and Silica Extracted". *International Conference of Chemistry : AIP Conference Proceedings* 1823, 020013-1-020013-5.
- McCabe, W.L., and J.C. Smith. (1985). "*Unit Operation of Chemical Engineering 5th Ed.*" Singapore: McGraw-Hill International Book Company.
- Pedroso, Giovanni B.. (2019). "Strategies for Fermentable Sugar Production by Using Pressured Acid Hydrolysis for Rice Husks". *Rice Science*, Vol. 26 (5), 319-330.
- Permatasari, H. R., Gulo, F., dan Lesmini, B. (2014). Pengaruh Konsentrasi H₂SO₄ Dan NaOH terhadap Delignifikasi Serbuk Bambu (*Gigantochloa apus*). Program Studi Pendidikan Kimia FKIP Universitas Sriwijaya. 131-140.
- Perry, Robert H. and Don Green. (1997). "*Perry's Chemical Engineers' Handbook 7th Ed.*" New York. : McGraw-Hill Book Company.
- Perry, Robert H. and Don Green. (2008). "*Perry's Chemical Engineers' Handbook 8th Ed.*" New York. : McGraw-Hill Book Company.
- Rao Linga, Venkateswar. (2016). "Bioconversion of Lignocellulosic biomass to xylitol.". India : Osmania University
- Redi. (2018). "Pengaruh Komposisi Sekam Padi Terhadap Parameter Fisis Briket Tempurung Kelapa." *Jurnal Fisika Sains dan Aplikasinya* Vol. 3, No. 1.
- Sari, Eka, dkk. (2017). "Biodelignifikasi ENceng Gondok untuk Meningkatkan Digestibilitas pada Proses Hidrolisis Enzimatik". *Reaktor*, Vol. 17 No.1, 53-58.
- Sharma, Archana. (2014). "Production of xylitol by catalytic hydrogenation of xylose." *Journal thepharma* Vol. 2 No. 12

Smith, J. M. & Van Ness, H. C. (2001). *“Chemical Engineering Thermodynamics.”* Singapore : Mc-Graw Hill.

Suryani, Yani, Iman Hernaman, Ningsih. (2017). “Pengaruh Penambahan Urea dan Sulfur pada Limbah Padat Bioetanol yang di Fermentasi EM-4 terhadap Kandungan Protein dan Serat Kasar”. *Jurnal Ilmiah Peternakan Terpadu*, Vol.5 (1), 13-17.

Timmerhaus, Klaus D. (1991). *Plant Design Economics for Chemical Engineers.* Colorado : Mc-Graw Hill

Tomas-Pejo E, Alvira P, Ballesteros M, Negro MJ. (2011). Pretreatment Technologies for Lignocellulose-to-Bioethanol Conversion. Di dalam Pandey A (ed.), *Biofuels: Alternative Feedstocks and Conversion Processes*, pp: 149-176.

Ulfa, Siti.M. Pramesti, Indah, N. (2015). “Katalis Bifungsional Ni/MgO untuk Reaksi Kondensasi dan Hidrogenasi Furfural dalam Satu Tahap Menghasilkan Senyawa Turunan Alkana C8-C13”. Malang : Universitas Brawijaya

Ulrich, Gael D. (1984). *“A Guide to Chemical Engineering Process Design and Economics.”* Canada : John Wiley & Sons.

Van Ness, Smith. (2001). *“Introduction to Chemical Engineering Thermodynamics 6th Ed.”* Singapore : International edition McGraw-Hill, Inc.

Walas, S. M. (1990). *“Chemical Process Equipment.”* United State America: Butterworth-Heinemann

Wei, Lusha, et al.. (2018). Optimization of Alkaline Extraction of Hemicellulose from Sweet Sorghum Bagasse and its Direct Application for The Production of Acidic Xylooligosaccharides by *Bacillus Subtilis* Strain MR44”. *PLoS ONE* 13 (4).

Wicakso, Doni Rahmat. (2008). “Pengaruh Konsentrasi Katalis (H₂SO₄) terhadap Reaksi Hidrolisis Polisakarida dari Sampah Kota (Sayur dan Buah)”. *Jurnal Info Teknik*, Vol. 9 (1).

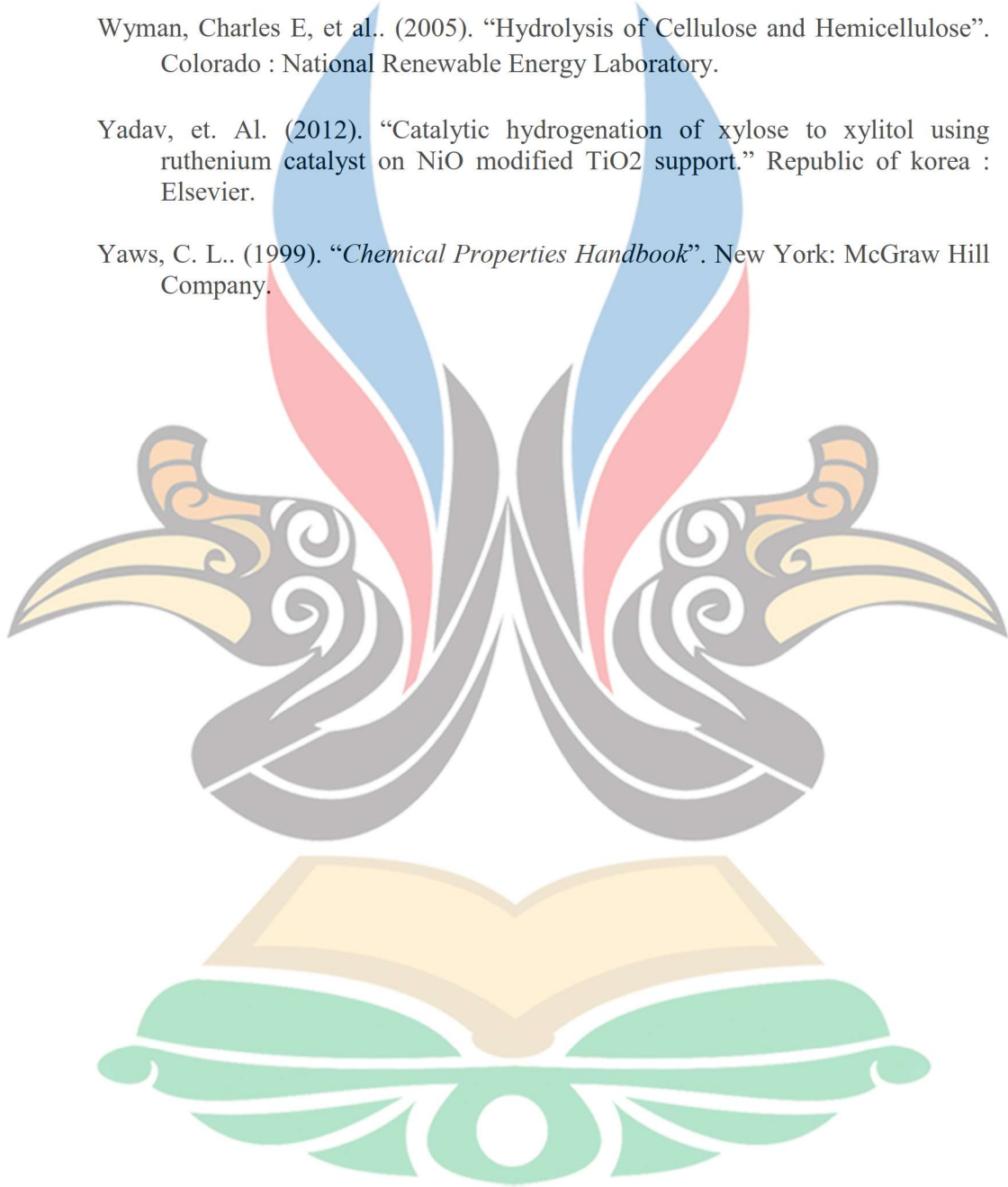
Winkelhausen, Eleonora dan Slobodanka Kuzmanova. (1998). “Microbial Conversion of D-Xylose to Xylitol”. *Journal of Fermentation and Bioengineering*, Vol. 86 (1), 1-14.

www.itk.ac.id
Woiciechowsku, et.al. (2013). "The Pretreatment Step in Lignocellulosic Biomass Conversion: Current Systems and New Biological Systems." Brazil : Universidade Federal do Parana

Wyman, Charles E, et al.. (2005). "Hydrolysis of Cellulose and Hemicellulose". Colorado : National Renewable Energy Laboratory.

Yadav, et. Al. (2012). "Catalytic hydrogenation of xylose to xylitol using ruthenium catalyst on NiO modified TiO₂ support." Republic of korea : Elsevier.

Yaws, C. L.. (1999). "*Chemical Properties Handbook*". New York: McGraw Hill Company.



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