REFERENCES

Albuquerque, Tiago Lima De et al. 2014. "Biotechnological Production of Xylitol from Lignocellulosic Wastes: A Review." *Process Biochemistry*. http://dx.doi.org/10.1016/j.procbio.2014.07.010.

Alrumman, Sulaiman A. 2015. "Enzymatic Saccharification and Fermentation of Cellulosic Date Palm Wastes to Glucose and Lactic Acid." *Brazilian Journal of Microbiology* 47(1): 110–19. http://dx.doi.org/10.1016/j.bjm.2015.11.015.

Álvarez, Consolación, Francisco Manuel Reyes-Sosa, and Bruno Díez. 2016. "Enzymatic Hydrolysis of Biomass from Wood." *Microbial Biotechnology* 9(2): 149–56.

Alvira, P, M Ballesteros, and M J Negro. 2010. "Bioresource Technology Pretreatment Technologies for an Efficient Bioethanol Production Process Based on Enzymatic Hydrolysis : A Review." *Bioresource Technology* 101(13): 4851–61. http://dx.doi.org/10.1016/j.biortech.2009.11.093.

Asia Biomass, Office. 2012. "Important Of EFB (Empty Fruit Bunch) of Palm Is Swelling." *Asia Biomass Coorporation*: 1001. www.asiabiomass.jp/english/topics/1001_03.html.

Barcelos, C A et al. 2016. "Enzymes and Accessory Proteins Involved in the Hydrolysis of Lignocellulosic Biomass for Bioethanol Production." *Mycology: Current and Future Developments* 1(2_ _): 23–56. https://www.researchgate.net/profile/Claudia_Groposo/publication/285176343_Enzymes_and_Accessory_Proteins_involved_in_the_Hydrolysis_of_Lignocellulosic_Biomass_for_Bioethanol_Production/links/565c40db08aefe619b25232e.pdf.

Barlianti, Vera et al. 2015. "Enzymatic Hydrolysis of Oil Palm Empty Fruit Bunch to Produce Reducing Sugar and Its Kinetic." 83(1): 37–43.

Brienzo, Michel, Walter Carvalho, and A. M F Milagres. 2010. "Xylooligosaccharides Production from Alkali-Pretreated Sugarcane Bagasse Using Xylanases from Thermoascus Aurantiacus." *Applied Biochemistry and Biotechnology* 162(4): 1195–1205.

Cara, Cristóbal et al. 2008. "Conversion of Olive Tree Biomass into Fermentable Sugars by Dilute Acid Pretreatment and Enzymatic Saccharification." *Bioresource Technology*

99(6): 1869–76.

Carvalheiro, Florbela, Lu??s C. Duarte, and Francisco M. Giririo. 2008. "Hemicellulose Biorefineries: A Review on Biomass Pretreatments." *Journal of Scientific and Industrial Research* 67(11): 849–64.

Chapla, Digantkumar, Pratima Pandit, and Amita Shah. 2012. "Production of Xylooligosaccharides from Corncob Xylan by Fungal Xylanase and Their Utilization by Probiotics." *Bioresource Technology* 115: 215–21.

Chen, Ming, Jing Zhao, and Liming Xia. 2008. "Enzymatic Hydrolysis of Maize Straw Polysaccharides for the Production of Reducing Sugars." *Carbohydrate Polymers* 71(3): 411–15.

Dąbkowska, Katarzyna, Monika Mech, Kamil Kopeć, and Maciej Pilarek. 2017. "Enzymatic Activity of Some Industrially-Applied Cellulolytic Enzyme Preparations." *Ecological Chemistry and Engineering S* 24(1): 9–18. http://www.degruyter.com/view/j/eces.2017.24.issue-1/eces-2017-0001/eces-2017-0001.xml.

Faizi, M K et al. 2017. "An Overview of the Oil Palm Empty Fruit Bunch (OPEFB) Potential as Reinforcing Fibre in Polymer Composite for Energy Absorption Applications." *MATEC Web of Conferences* 1064.

Geng, Anli. 2013. "Conversion of Oil Palm Empty Fruit Bunch to Biofuels." *Liquid, Gaseous and Solid Biofuels - Conversion Techniques* (Pipoc): 6–8. http://www.intechopen.com/books/liquid-gaseous-and-solid-biofuels-conversion-techniques/conversion-of-oil-palm-empty-fruit-bunch-to-biofuels.

Gladyshko, Yulia. 2011. "EXTRACTION OF HEMICELLULOSES BY ACID CATALYZED HYDROLYSIS." *Saima University of Applied Science Technology, Imatra Degree in Paper Technology*.

Harmsen, P, W Huijgen, L López, and R Bakker. 2010. "Literature Review of Physical and Chemical Pretreatment Processes for Lignocellulosic Biomass." *Food and Biobased Research* (September): 1–49. http://www.ecn.nl/docs/library/report/2010/e10013.pdf.

Hernanndez-Perez, Andres Felipe, Priscila Vaz de Arruda, and Maria das Gracias de Almeida Felipe. 2016. "Sugarcane Straw as a Feedstock for Xylitol Production by Candida Guilliermondii FTI 20037." *Brazilian Journal of Microbiology* 47(2): 489–96.

Ishihara, Mitsuro, Masahiro Matsunaga, Noriko Hayashi, and Vesna Ti??ler. 2002. "Utilization of D-Xylose as Carbon Source for Production of Bacterial Cellulose." *Enzyme and Microbial Technology* 31(7): 986–91.

Khan, M. A. 2010. "Hydrolysis of Hemicellulose by Commercial Enzyme Mixtures." *Lulea University of Technology*: 1–28. http://epubl.ltu.se/1402-1552/2010/040/LTU-DUPP-10040-SE.pdf.

Kim, Olofsson et al. 2012. "Rapid Xylose and Glucose Fermentation by Engineered S. Cerevisiae for Commercial Production of Cellulosic Ethanol." : 1. message:%3COFE2039D85.1F429F90-ON49257BAD.000DD2B5-49257BAD.000E9796@smtpgw.jgc.co.jp%3E%5Cnfile:///Users/SAHARA/Library/Mobile Documents/com~apple~CloudDocs/Papers/Library.papers3/Articles/2012/Kim/2012 Kim%5Cnpapers3://publication/uuid/86C67A2C-C840-457.

Kootstra, A. Maarten J, Hendrik H. Beeftink, Elinor L. Scott, and Johan P M Sanders. 2009. "Comparison of Dilute Mineral and Organic Acid Pretreatment for Enzymatic Hydrolysis of Wheat Straw." *Biochemical Engineering Journal* 46(2): 126–31.

Kresnowati, MTAP, Efri Mardawati, and Tjandra Setiadi. 2015. "Production of Xylitol from Oil Palm Empty Friuts Bunch: A Case Study on Bioefinery Concept." *Modern Applied Science* 9(7): 206. http://ccsenet.org/journal/index.php/mas/article/view/50832.

Kumar, Parveen, Diane M. Barrett, Michael J. Delwiche, and Pieter Stroeve. 2009. "Methods for Pretreatment of Lignocellulosic Biomass for Efficient Hydrolysis and Biofuel Production." *Industrial and Engineering Chemistry Research* 48(8): 3713–29.

Lin, Lili, Rong Yan, Yongqiang Liu, and Wenju Jiang. 2010. "Bioresource Technology In-Depth Investigation of Enzymatic Hydrolysis of Biomass Wastes Based on Three Major Components : Cellulose , Hemicellulose and Lignin." *Bioresource Technology* 101(21): 8217–23. http://dx.doi.org/10.1016/j.biortech.2010.05.084.

Liu, Jian, Hailong Li, Lihui Gan, and Minnan Long. 2013. "A Commentary on Development of Efficient Enzyme Cocktails for the Bioconversion of Hemicelluloses Jian." *Journal of Glycobiology* 5(1): 1–7.

Maitah, Mansoor et al. 2016. "Economics of Palm Oil Empty Fruit Bunches Bio Briquettes in Indonesia." 6(1): 35–38.

Marcos, M. et al. 2013. "Improvement of Enzymatic Hydrolysis of Steam-Exploded Wheat Straw by Simultaneous Glucose and Xylose Liberation." *Chemical and Biochemical Engineering Quarterly* 27(4): 499–509.

Mardawati, Efri et al. 2014. "The Enzymatic Hydrolysis of Oil Palm Empty Fruit Bunches to Xylose." *J. Jpn. Inst. Energy* 93: 973–78.

Maurice, Michelle L. 2011. "Factors Effecting Ethanol Fermentation Via Simultaneous Saccharification and Fermentation." : 1–42.

Menon, V., M. Rao, and G. Prakash. 2010. 1 Global Journal of Biochemistry *Value Added Products from Hemicellulose - Biotechnological Perspective*. http://ncl.csircentral.net/1138/1/Value_added_products_from_hemicellulose.pdf.

Mohamad, N. L., S. M. Mustapa Kamal, and M. N. Mokhtar. 2015. "Xylitol Biological Production: A Review of Recent Studies." *Food Reviews International* 31(1): 74–89. http://www.tandfonline.com/doi/abs/10.1080/87559129.2014.961077.

Mosier, Nathan et al. 2005. "Features of Promising Technologies for Pretreatment of Lignocellulosic Biomass." *Bioresource Technology* 96(6): 673–86.

Mussatto, S. I., and I. C. Roberto. 2003. "Xylitol Production from High Xylose Concentration: Evaluation of the Fermentation in Bioreactor under Different Stirring Rates." *Journal of Applied Microbiology* 95(2): 331–37.

Mutreja, Ruchi, Debasish Das, Dinesh Goyal, and Arun Goyal. 2011. "Bioconversion of Agricultural Waste to Ethanol by SSF Using Recombinant Cellulase from *Clostridium Thermocellum*." *Enzyme Research* 2011: 1–6. http://www.hindawi.com/journals/er/2011/340279/.

National Renewable Energy Laboratory. 2012a. "Determination of Structural Carbohydrates

and Lignin in Biomass." *Laboratory Analytical Procedure (LAP)* (April 2008): 17. http://www.nrel.gov/docs/gen/fy13/42618.pdf.

———. 2012b. "Renewable Electricity Generation and Storage Technologies." *Renewable Electricity Futures Study: Renewable Electricity Generation and Storage Technologies, Volume 2* 2. http://www.nrel.gov/docs/fy12osti/52409-2.pdf.

Nurhalim, Nur Atiqah, Mashitah Mat Don, Zainal Ahmad, and Dipesh S Patle. 2015. "Modeling and Optimisation of Xylose Production by Enzymatic Hydrolysis Using Neural Network and Particle Swarm Optimization." 10(3): 173–78.

Olisa, Y P et al. 2014. "Utilization of Palm Empty Fruit Bunch (Pefb) as Solid Fuel for Steam Boiler." *European Journal of Engineering and Technology* 2(2): 1–7.

Peng, Feng, Pai Peng, Feng Xu, and Run Cang Sun. 2012. "Fractional Purification and Bioconversion of Hemicelluloses." *Biotechnology Advances* 30(4): 879–903.

Pengilly, C. et al. 2015. "Enzymatic Hydrolysis of Steam-Pretreated Sweet Sorghum Bagasse by Combinations of Cellulase and Endo-Xylanase." *Fuel* 154: 352–60. http://dx.doi.org/10.1016/j.fuel.2015.03.072.

Rani, Reeta et al. 2013. "Bioresource Technology Role and Significance of Beta-Glucosidases in the Hydrolysis of Cellulose for Bioethanol Production." *Bioresource Technology* 127: 500–507. http://dx.doi.org/10.1016/j.biortech.2012.09.012.

Richana, N., C. Winarti, T. Hidayat, and B. Prastowo. 2015. "Hydrolysis of Empty Fruit Bunches of Palm Oil (Elaeis Guineensis Jacq.) by Chemical, Physical, and Enzymatic Methods for Bioethanol Production." *International Journal of Chemical Engineering and Applications* 6(6): 422–26. http://www.ijcea.org/index.php?m=content&c=index&a=show&catid=73&id=875.

Saha, Badal C. 2003. "Hemicellulose Bioconversion." *Journal of Industrial Microbiology and Biotechnology* 30(5): 279–91.

Saha, Badal C., Loren B. Iten, Michael A. Cotta, and Y. Victor Wu. 2005. "Dilute Acid Pretreatment, Enzymatic Saccharification and Fermentation of Wheat Straw to Ethanol." *Process Biochemistry* 40(12): 3693–3700.

Saritha Mohanram, Vijaya Rani. 2015. "Beta-Glucosidase: Key Enzyme in Determining Efficiency of Cellulase and Biomass Hydrolysis." *Journal of Bioprocessing & Biotechniques* 5(1): 1–8. http://www.omicsonline.org/open-access/betaglucosidase-key-enzyme-in-determining-efficiency-of-cellulase-and-biomass-hydrolysis-2155-9821.1000197.php?aid=36527.

Schmidt, A.S., M. Tenkanen, A.B. Thomsen, and A. Woidemann. 1998. "Hydrolysis of Solubilized Hemicellulose Derived from Wet-Oxidized Wheat Straw by a Mixture of Commercial Fungal Enzyme Preparations." http://130.226.56.153/rispubl/BIO/BIOpdf/RIS-R-1042.pdf.

Shekiro, Joseph et al. 2012. "Enzymatic Conversion of Xylan Residues from Dilute Acid-Pretreated Corn Stover." *Applied Biochemistry and Biotechnology* 168(2): 421–33.

Singh, Devendra Pratap, and Rakesh Kumar Trivedi. 2013. "Acid and Alkaline Pretreatment of Lignocellulosic Biomass to Produce Ethanol as Biofuel." *International Journal of ChemTech Research* 5(2): 727–34.

Stevanie, Jeannie, Irvan Kartawiria, and Haznan Abimanyu. 2017. "Kinetic Studies of Cellulose Enzymatic Hydrolysis from Pretreated Corn Cob." 20014.

Sudiyani, Yanni, and Euis Hermiati. 2010. "Utilization of Oil Palm Empty Fruit Bunch (Opefb) for Bioethanol Production Through Alkali and Dilute Acid Pretreatment and Simultaneous Saccharification and Fermentation." *Indonesian Journal of Chemistry* 10(2): 261–67.

Taherzadeh, Mohammad J, and Keikhosro Karimi. 2007. 2 Bioresources *Enzyme Based Hydrolysis Processes for Ethanol from Lignocellulosic Materials : A Review . BioResources*.

———. 2008. *Pretreatment of Lignocellulosic Wastes to Improve Ethanol and Biogas Production : A Review*.

Teresa, María et al. 2010a. "Optimization of Operating Conditions in Enzymatic Hydrolysis of Pretreated Lignocellulosic Materials." *Chemical Engineering Transactions* 21(January): 1285–90.

———. 2010b. "Optimization of Operating Conditions in Enzymatic Hydrolysis of Pretreated Lignocellulosic Materials." *Chemical Engineering Transactions* 21: 1285–90.

Triwahyuni, Eka, Yanni Sudiyani, and Haznan Abimanyu. 2015. "The Effect of Substrate Loading on Simultaneous Saccharification and Fermentation Process for Bioethanol Production from Oil Palm Empty Fruit Bunches." *Energy Procedia* 68: 138–46. http://dx.doi.org/10.1016/j.egypro.2015.03.242.

Um, Byung-hwan, and G Peter Van Walsum. 2008. "Evaluation of Acid and Enzymatic Hydrolysis of Hemicellulose Extracts Produced from Northeast Hardwood Evaluation of Acid and Enzymatic Hydrolysis of Hemicellulose Extracts." (October): 1–2.

Valderez, Maria et al. 2014. "Evaluation of Dilute Acid Pretreatment on Cashew Apple Bagasse for Ethanol and Xylitol Production." *CHEMICAL ENGINEERING JOURNAL* 243: 234–43. http://dx.doi.org/10.1016/j.cej.2013.12.099.

Vasudevan, Padma, Satyawati Sharma, and Ashwani Kumar. 2005. "Liquid Fuel from Biomass: An Overview." *Journal of Scientific and Industrial Research* 64(11): 822–31.

Verma, a, S Kumar, and P K Jain. 2011. "Key Pretreatment Technologies on Cellulosic Ethanol Production." *Journal of Scientific Research* 55: 57–63. file://c/Documents and Settings/Danie/My Documents/Reference Manager/1016 Key pretreatment technologies on cellulosic ethanol production.pdf.

Yabefa, J A, Y Ocholi, and G F et.al Odubo. 2014. "Effect of Temperature and Changes in Medium pH on Enzymatic Hydrolysis of β (1-4) Glycosidic Bond in Orange Mesocarp." *Journal of Plant Science and Research* 4(4): 21–24.