

BIBLIOGRAPHY

- Administration, U. E. (2018, 07 12). Retrieved from U.S. Energy Information Administration:
https://www.eia.gov/energyexplained/index.php?page=biofuel_ethanol_home
- Akaracharanya, A. (2011). Evaluation of the waste from cassava starch production as a substrate for ethanol fermentation by *Saccharomyces cerevisiae*. *Ann Mmicrobial*, 61:431–436.
- Andrietta, M. e. (2007). Bioethanol - 30 years of Proálcool. *International Sugar Journal*, 195-200.
- Association, R. F. (2016). Retrieved from World fuel ethanol production:
<http://ethanolrfa.org/resources/industry/statistics/>
- Balagopalan, C. (2002). Cassava Utilisation in Food, Feed, and Industry. *Cassava: Biology, Production and Utilization*, 301.
- Barks, T. (2006). The effect of carbohydrates on alpha-amylase activity measurements,. *Enzyme Microb Technol* , 114-119.
- Bokanga, M. (1999). *Cassava: Post Harvest Operations*. FAO.
- Breuninger, W. F. (2009). Tapioca/Cassava Starch: Production and Use. In J. B. Whistler, *Starch: Chemistry and Technology* (pp. 545-547). New York: Elsevier.
- Castro, E., Nieves, I., Mullinnix, M., Sagues, W., Hoffman, R., Fernández-Sandoval, M., . . . Ingram, L. (2014). Optimization of dilute-phosphoric-acid steam pretreatment of *Eucalyptus benthamii* for biofuel production. *Appl Energy* 2014, 76-83.
- Della-Bianca, B. e. (2014). What do we know about the yeast strains from the Brazilian fuel ethanol industry? *Appl Microbiol Biotechnol* 2013, 97:979-91.
- Djuma'ali, e. a. (2011). CASSAVA PULP AS A BIOFUEL FEEDSTOCK OF AN ENZYMATIC. *MAKARA, TEKNOLOGI, VOL. 15, NO. 2*.

- Fang, B. (1992). Cassava production and research in Guangdong province of China. *Proceedings of Cassava Breeding, agronomy and utilisation research in Asia*, 149-161.
- Fontana, J., Passos, M., M. Baron, S.V.Mendes, & Ramos, L. (2001). Cassava starch maltodextrinization/monomerization through thermopressurized aqueous phosphoric acid hydrolysis. *App. Biochem.*, 91–93.
- Gauss, W., Suzuki, S., & Takagi, M. (1976). *Manufacture of alcohol from celulosic materials using plural treatments*. USA: Bio Research Center Company Limited.
- Hoyer, K., Galbe, M., & Zacchi, G. (2010). Effects of enzyme feeding strategy on ethanol yield in fed- batch simultaneous saccharification and fermentation of spruce at high dry matter. *Biotechnol Biofuels*, 3:14.
- Kazaz, M. A. (1998). the mechanism of porcine pancreatic α -amylase. *Eur J Biochem*.
- Khempaka, S., Thongkratok, R., Okrathok, S., & Molee, W. (2014). An Evaluation of Cassava Pulp Feedstuff Fermented with *A. oryzae*, on Growth Performance, Nutrient Digestibility and Carcass Quality of Broilers.
- Kosugi, A. e. (2009). *Renewable Energy*.
- Kumar, P., Barret, D., & Stroeve, P. (2009). Method of Pretreatment of Lignocellulosic Biomass for Efficient Hydrolysis and Biofuel Production. *Industrial and Engineering Chemistry Research*, 3713-3729.
- Li, X., Lu, J., Zhao, J., & Qu, Y. (2014). Characteristics of Corn Stover Pretreated with Liquid Hot Water and Fed-Batch Semi-Simultaneous Saccharification and Fermentation for Bioethanol Production. *PLoS One*, 1-11.
- Lin, T. H., Huang, C. F., Guo, G. L., & et, a. (2012). Pilot-scale ethanol production from rice straw hydrolysates using xylose-fermenting *Pichia stiptis*. *Bioresource Technology* 116, 314-319.
- Lopéz-Linares, J., Romero, I., Cara, C., Ruiz, E., Moya, M., & Castro, E. (2014). Bioethanol production from rapeseed straw at high solids loading with different process configurations. *Fuel* 2014 Ed. 122, 112-118.

- Maneepun, S. (1996). *Thai cassava flour and starch industries for food uses: Research and development*.
- Manzares, P., Negro, M., Oliva, J., Saéz, F., & Ballesteros, I. (2011). Different process configurations for bioethanol production from pretreated olive pruning biomass. *Journal Chemistry Technology*, 881- 887.
- Matsushika, A., Inoue, H., Kodaki, T., & Sawayama, S. (2009). Ethanol production from xylose in engineered *Saccharomyces cerevisiae* strains: current state and perspectives. *Applied Microbiology and Biotechnology*, 84:37-53.
- Mertens, J., & Skory, C. (2006). Isolation and characterization of a second glucoamylase gene without a starch binding domain from *Rhizopus oryzae*. *Enzyme and Microbial Technology*, 40: 874-880.
- Mesa, L., Gonzáles, E., Romero, I., Ruiz, E., & Castro, E. (2014). Comparison of process configurations for ethanol production from two-step pretreated sugarcane bagasse. *Chemistry Engineering*, 185-191.
- Novozyme. (2002). *Alcohol; Product Sheet*. Denmark: Novozyme.
- Olofsson, K., Bertillsson, M., & Liden, G. (2008). A Short Review on SSF-an Interesting Process Option for Ethanol Production from Lignocellulosic Feedstocks. *Biotechnology for Biofuels*.
- Paulová, L., Patáková, P., Branská, B., Rychtera, M., & Melzoch, K. (2014). *NU SC. Biotechnology Advances*. Elsevier B.V.
<https://doi.org/10.1016/j.biotechadv.2014.12.002>
- Plucknett, D. L. (1998). A global development strategy for cassava: transforming a traditional tropical root crop. *Paper presented at Asian Cassava Stakeholders' consultation on a global cassava development strategy*.
- Prasertwasu, S. a. (2014). Efficient process for ethanol production from Thai Mission grass (*Pennisetum polystachion*). *Bioresource Technology*, 152–159.
- Presecki, A. V. (2008). Mathematical modeling of amylase catalyzed starch hydrolysis.
- PUSAT DATA DAN SISTEM INFORMASI PERTANIAN KEMENTERIAN PERTANIAN INDONESIA. (2016). *Outlook Komoditas Pertanian Tanaman*

Pangan Ubi Kayu. Jakarta: PUSAT DATA DAN SISTEM INFORMASI PERTANIAN KEMENTERIAN PERTANIAN INDONESIA.

- Rattanachomsri, U. (2009). Simultaneous non-thermal saccharification of cassava pulp by multi-enzyme activity and ethanol fermentation by *Candida tropicalis*. *Bioscience and Bioengineering VOL. 107*, 488–493.
- Silva, S., & Chandel, A. (2014). *Biofuels in Brazil: Fundamental Aspects, Recent Development, and Future Perspective*. Heidelberg, Germany: Springer Verlag.
- Singh, A., & Nigam, P. S. (2011). *Prog. Energy combust. Sci.* 37.
- Sreekantiah, T. S. (1986). Saccharification of tapioca starch residue with a multienzyme preparation of *Aspergillus ustus*. *Starch*, 428–432.
- Sriroth, K. (2000). Cassava Starch Technology: The Thai Experience. *Starch/Stärke*, 52(12), 439-449. doi:10.1002/1521-379X(200012)52:12<439::AID-STAR439>3.0.CO;2-E
- Suyamto dan Wargiono, J. (2006). *Potensi dan Peluang Umbi Kayu untuk Industri Bioetanol*. Malang: Balitkabi.
- Takagi, M., Abe, S., Suzuki, S., Emert, G., & Yana, N. (1997). A Method for Production of Ethanol Directly from Cellulose Using Cellulase and Yeast. *Ghose TK*, 551-571.
- Tan, L., Tang, Y., Nishimura, H., Takei, S., Morimura, S., & Kida, K. (2013). Efficient production of bioethanol from corn stover by pretreatment with a combination of sulphuric acid and sodium hydroxide. *Prep Biochem Biotechnol*, 682-695.
- Tesfaw, A., & Assefa, F. (2014). Current Trends in Bioethanol Production by *Saccharomyces cerevisiae*: Substrate, Inhibitor Reduction, Growth Variables, Coculture, and Immobilization. *International Scholarly Research Notices*.
- Thongchul, N. (2010). Production of lactic acid and ethanol by *Rhizopus oryzae* integrated with cassava pulp hydrolysis. *Bioprocess Biosystem Engineering*, 33:407–416.
- Welcher, P., Preechajan, S., Prasertsri, P., & Specialist, A. (2017). Thailand Biofuels Annual, 2015(Aedp 2015).

- Wingren, A., Galbe, M., & Zacchi, G. (2003). Techno-economic evaluation of producing ethanol from softwood: comparison of SSF and SHF identification of bottlenecks. *Biotechnology Program*, 1109-1117.
- Xu, F., Ding, H., Osborn, D., Tejirian, A., Brown, K., Albano, W., . . . Langston, J. (2008). Partition of enzymes between the solvent and insoluble substrate during the hydrolysis of lignocellulose by cellulases. *Journal of Molecular Catalysts B: Enzymatic*, 42-48.
- Zhang, L., You, T., Zhang, L., Yang, H., & Xu, F. (2014). Enhanced fermentability of poplar by combination of alkaline peroxide pretreatment and semi-simultaneous saccharification and fermentation. *Bioresources Technology*, 292-298.
- Zhang, Y. H., & Lynd, L. (2004). Toward an aggregated understanding of enzymatic hydrolysis of cellulose: noncomplexed cellulase systems. *Biotechnology and Bioengineering*, 797-824.