

DAFTAR PUSTAKA

- Almatsier, S.2001. Prinsip Dasar Ilmu Gizi. Gramedia Pustaka Utama: Jakarta
- Anonim A. 2017. Produksi Ubi Kayu Menurut Provinsi. <https://www.bps.go.id> . Diakses pada 14 Februari 2017 pukul 17:12
- BeMiller, J., and Whistler, R. 2009. *Starch:Chemistry and Technology*. Elsevier Inc.: New York.
- Cai, Y.Z. and Corke, H. 2000. Production and Properties of Spray-dried *Amaranthus* Betacyanin Pigments. *Journal of Food Science*65: 1248-1252.
- Carvalho, F., Esteves, M. P., Parajó, J. C., Pereira, H., and Gírio, F.M. 2004. Production of oligosaccharides by autohydrolysis of brewery's spent grain. *Bioresource technology* 91: 93-100.
- Cereda, M.P., Vilpoux, O., and Demiate, I.M. 2003. *Modified Starch Book 3-Technology, use and potentialities of Latin American starchy tubers*. CPC International Milho. Brasil.
- Chen, K., and Jane, J. 1994. Preparation of Granular Cold Water Soluble Starches by Alcoholic-Alkaline Treatment. *Carbohydrates* 71: 618-622.
- Colussi, R., Pinto, V.Z., Halal, S. L. ME., Vanier, N.L., Villanova, F. A., e Silva, R.M., Zavareze, E. D. R., and Dias, A. R. G. 2014. Structural, morphological, and physicochemical properties of acetylated high-medium-, and low-amylose rice starches. *Carbohydrate polymers* 103: 405-413.
- Daramola, B. and Osanyinlusi, S.A. 2006. Investigation on modification of cassava starch using active components of ginger roots (*Zingiber officinale* Roscoe). *African Journal of Biotechnology* 5: 917-920.
- Deepa, B., Abraham, E., Cherian, B.M., Bismarck, A., Blaker, J.J., Pothan, L.A., Leao, A.L., de Souza, S.F., and Kottaisamy, M. 2011. Bioresource Technology Structure, morphology and thermal characteristics of banana nano fibers obtained by Steam Explosion. *Bioresource technology* 102: 1988-1997.
- Deeyai, P., Suphantarika, M., Wongsagonsup, R., Dangtip, S. 2013. Characterization of Modified Tapioca Starch in Atmospheric Argon Plasma Diverse Humidity by FTIR Spectroscopy. *CHYN.PHYS.LETT* Vol 30 No 1.
- DeMan, J. M. 1997. *Kimia Makanan*. Penerbit ITB: Bandung
- Fernández-Bolaños, K. Felizón, B., Heredia, A., Rodríguez, R., Guillén, R., and Jiménez, A. 2000. Steam-explosion of olive stones: hemicellulose

solubilization and enhancement of enzymatic hydrolysis of cellulose. *Bioresouce Technology* 79: 53-61.

- Fortuna, T., Juszczak, L., and Palasinski, M. 2001. Properties of corn and wheat starch phosphates obtained from granules segregated according to their size. *EJPAU* 4: 417-419
- Glicksman, M. 1969. *Gum Technology in Food Industry*. Academic Press: New York.
- Gordillo, C. A. S., Valencia, G. A., Zapata, R. A. V, and Henao, A. C. A. 2014. Physicochemical Characterization of Arrowroot Starch (*Maranta arundinacea* Linn) and Glycerol/Arrowroot Starch Membranes. *International Journal of Food Engineering* No 4, 10: 727-735.
- Groggins, P.H. 1958. *Unit Processes in Organic Syntetic 5th edition*. Mc Graw Hill, Kogakusha, Ltd, Tokyo.
- Guo, J., Liu, L., Lian, X., Li, L., and Wu, H. 2014. The properties of different cultivals of Jinhai sweet potato starches in China. *International Journal of Biological Macromolecules* 67: 1-6.
- Haryadi. 1993. Dasar-dasar dan pemanfaatan ilmu dan teknologi pati. *AGRITECH* 13: 37-42.
- Haryanti, P., Setyawati, R., dan Wicaksono, R. 2014. Pengaruh Suhu dan Lama Pemanasan Suspensi Pati Serta Konsentrasi Butanol Terhadap Karakteristik Fisikokimia Pati Tinggi Amilosa dari Tapioka. *AGRITECH* No 3, 34:308-315.
- Herrero-Martinez, J.M., Schoenmakers, P.J., Kok, W.Th. 2004. Determination of the amylose-amylopectin ratio of starches by iodine-affinity capillary electrophoresis. *Journal of Chromatography A* 1053: 227-234.
- Iroba, K.L., Lope, G.T., Shahab, S., and Dumonceaux, T. 2014. Pretreatment and fractionation of barley straw using Steam Explosion at low severity factor. *Biomass and Bioenergy* 66: 286-300.
- Jackson, E.B., and Howling, D. 1999. *Glucose syrups and starch hydrolysates In: Sugar Confectionary Manufacture 2nd edition*. Aspen Publishers, Gaithersburg
- Jacobs, H., and Delcour, J.A. 1998. Hydrothermal modifications of granular starch with retention of the granular structure: Review. *J. Agric. Food Chem* 46(8): 2895-2905
- Jacquet, N., Maniet, G., Vanderghem, C., Delvigne, F., and Richel, A. 2015. Application of Steam Explosion as Pretreatment onj Lignocellulosic

Material : A Review. *Industrian and Engineering Chemistry Research* 54: 2593-2598.

- Jacquet, N., Quiévy, N., Vanderghem, C., Janas, S., Blecker, C., Wathélet, B., Devaux, J., and Paquot, M. 2011. Influence of Steam Explosion on the thermal stability of cellulose fibers. *Polymer Degadation and Stability* 96: 1582-1588.
- Kent, N.L., and Evers, A.D. 1994. *Technology of Cereal*. Wheatons Ltd. Exeter.
- Liu, Z-H., Qin, L., Pang, F., Jin, M-J., Li, B-Z., Kang, Y., Dale, B.E., and Yuan, Y-J. 2013. Effect of biomass particle size on steam explosion pretreatment performance for improving the enzyme digestibility of corn stover. *Industrial Crops and Product* 44:176-184.
- Mastuti, E. Dan Dwi A. 2010. Pengaruh Variasi Temperatur dan Konsentrasi Katalis pada Kinetika Reaksi Hidrolisis Tepung Kulit Ketela Pohon. *Ekulilibrium* No. 1, 9:23-27.
- Meyer, L.H. 1973. *Food Chemistry*. The Avi Publishing Company, Inc., Westport. Connecticut.
- Moniz, P., Pereira, H., Duarte, L. C., and Carvalheiro, F. 2014. Hydrothermal production and gel filtration purification of xylo-oligosaccharides from rice straw. *Industrial Crops and Products* 62: 460-465.
- Murphy, P. 1998. *Starch, National Starch and Chemical*. Manchester.
- Nabarlatz, D., Ebringerová, A., and Montané, D. 2007. Autohydrolysis of agricultural by-products for the production of xylo-oligosaccharides. *Carbohydrate Polymers* 69: 20-28.
- Rickard, J.E., Asaoka, M. And Blanshardaase, J.M.V., 1991. The physico-chemical properties of cassava starch: Review. *Crop Sci.* 31:189-207.
- Ridhowati, S. 2011. Penentuan Lama Hidrolisis dan Karakteristik Maltodekstrin dan Sirup Glukosa dari Pati Jagung Fosfat. *Thesis*. Pascasarjana Universitas Gadjah Mada, Yogyakarta.
- Rukmana, H.R. 1997. *Ubi Kayu : Budi Daya dan Pascapanen*. Kanisius: Yogyakarta.
- Saeki,T., Hisayuki,K., Daimon,H., and Fujie, K. 2007. Recovery of Valuable Substances from Unused Potatoes Using a Steam Explosion Reaction. *Journal of the Japan Society of Waste Management Experts* No 1, 18:1-7
- Salim, Emil. 2011. *Mengolah Singkong Menjadi Tepung Mocaf: Bisnis Produk Alternatif Pengganti Terigu*. Penerbit ANDI. Yogyakarta

- Saloko, S., Darmadji, P., Setiaji, B., and Pranoto, Y. 2012. Structural Analysis of Spray-Dried Coconut Shell Liquid Smoke Powder. *Jurnal Teknologi dan Industri Pangan* 23: 173-179
- Saraswati. 1982. *The Problems to be Solved in Starch Processing Technologies in Indonesia*, BPPT.
- Sarip, H., Hossain, Md.S., Azemi, M. M. N., and Allaf, K. 2016. A review of the Thermal Pretreatment of Lignocellulosic Biomass towards Glucose Production: autohydrolysis with DIC Technology. *Bioresources* 11: 10625-10653.
- Singh, R. P., and Heldman, D. R. 2004. *Introduction to Food Engineering 4th edition*. Elsevier Inc. China.
- Sui, W and Chen,H.2016. Effects of water states on Steam Explosion of lignocellulosic biomass. *Bioresource Technology* 199: 155-163
- Supriyanto, Haryadi, Rahardjo, B., dan Marseno, D.W. 2006. Pengaruh Penyangraian dengan Energi Gelombang Mikro Terhadap Polifenol dalam Hancuran Keping Biji Kakao. *Agritech* vol 26 no 3.
- Syah, I.T., Darmadji, P., and Pranoto, Y. 2015. Microencapsulation of Refined Liquid Smoke using Maltodextrin Produced from Broken Rice Starch. *Journal of Food Processing and Preservation* 40: 437-446.
- Tonukari, N.J. 2004. Cassava and the future of starch. *Electronic Journal of Biotechnology* vol 7 no 1.
- Widowati,S., Herawati,H., Syarieff,R., Suyatma,N.E., dan Prasetya, H.A. 2010. Pengaruh Isoterm Sorpsi Air Terhadap Stabilitas Beras Ubi. *Jurnal Teknologi dan Industri Pangan*, Vol XXI No 2.
- Winarno, F. G. 1997. *Kimia Pangan dan Gizi*. Gramedia Pustaka Utama: Jakarta
- Wurzburg, O. B. 1986. *Starch Properties, Modifications and Application*. CRC Press: Florida
- Xiao, X., Bian, J., Peng, X. P., Xu, H., Xiao, B., and Sun, R.C. 2013. Bioresource Technology Autohydrolysis of bamboo (*Dendrocalamus giganteus* Munro) culm for the production of xylo-oligosaccharides. *Bioresource Technology* 138: 63-70.
- Yadav, B. S., Guleria, P., and Yadav, R. B. 2013. Hydrothermal modification of indian water chesnut starch: Influence of heat-moisture treatment and annealing on the physicochemical, gelatinization, and pasting characteristic. *LWT-Food Science and Technology* 53: 211-217.

- Yang, L., Zhou, Y., Wu, Y., Meng, X., Jiang, Y., Zhang, H., and Wang, H. 2016. Preparation and physicochemical properties of three types of modified glutinous rice starches. *Carbohydrate Polymers*, 137: 305-313.
- Yu, Z., Zhang, B., Yu, F., Xu, G., and Song, A.. 2012. A Real Explosion: The Requirement of *Steam Explosion* Pretreatment. *Bioresource Technology* 121: 335-341.
- Zavareze, E. R., and Dias, A. R. G. 2011. Impact of heat-moisture treatment and annealing in starches: a review. *Carbohydrate Polymers* 83: 317-328.
- Zhang, Y., Zhao, W., Yang, R., Ahmed, M.A., Hua, X., Zhang, W., and Zhang, Y.2013. Preparation and functional properties of protein from heat-denaturated soybean meal assisted by steam flash-explosion with dilute acid soaking. *Journal of Food Engineering* 199: 56-64.
- Zheng, M., Jin, Z., and Zhang, Y.2007.Effect of cross-linking and esterification on hygroscopicity and surface activity of cassava maltodextrins. *Food Chemistry* 103: 1375-1379.