

DAFTAR PUSTAKA

- Aini, K. H. (2012) *Produksi Tepung Kentang*. UPI.
- Anal, A. K. dan Singh, H. (2007) "Recent advances in microencapsulation of probiotics for industrial applications and targeted delivery," *Trends in Food Science and Technology*, 18(5), hal. 240–251. doi: 10.1016/j.tifs.2007.01.004.
- Anonim, A. (tanpa tanggal) *No Title*. Tersedia pada: manfaat.co.id (Diakses: 22 Maret 2017).
- Anonim, B. (tanpa tanggal) *Steam Pressure Temperature Conversion Table for Saturated Steam*. Tersedia pada: http://www.solenoidvalvesuk.com/saturated_steam_conversion_tables.asp (Diakses: 18 Maret 2017).
- AOAC (1984) *Official Methods of Analysis*. Washington DC: Association of Official Analytical Chemists Inc.
- Bacher, A. (2002) *Infrared Spectroscopy*. Tersedia pada: <http://www.chem.ucla.edu/~bacher/spectroscopy/IR1.html> (Diakses: 16 Maret 2017).
- Buleon, A., Colonna, P., Planchot, V. dan Ball, S. (1998) "Starch granules: Structure and biosynthesis," *International Journal of Biological Macromolecules*, 23(2), hal. 85–112. doi: 10.1016/S0141-8130(98)00040-3.
- Chen, J. dan Jane, J. (1994) "Preparation of granular cold-water-soluble starches by alcoholic-alkaline treatment," *Cereal Chemistry*, hal. 623–626.
- Chiu, C. dan Solarek, D. (2009) "Modification of Starches," in *Starch: Chemistry and Technology, Third Edition*. 3rd ed. Elsevier Inc., hal. 629–648.
- Gan, S., Zakaria, S., Chen, R. S., Chia, C. H., Padzil, F. N. M. dan Moosavi, S. (2017) "Autohydrolysis Processing as an Alternative to Enhance Cellulose Solubility and Preparation of Its Regenerated Bio-Based Materials," *Materials Chemistry and Physics*. Elsevier B.V, 192, hal. 181–189. doi: 10.1016/j.matchemphys.2017.01.012.
- Ghaissani, R. (2017) *PENGARUH MALTODEKSTRIN DARI PATI UBI JALAR, KENTANG, KIMPUL, DAN TALAS TERHADAP KARAKTERISTIK MIKROENKAPSULAN ASAP CAIR*. Universitas Gadjah Mada.
- Han, J. H. (2014) *Innovations in Food Packaging*. 2nd ed, *Innovations in Food Packaging*. 2nd ed. Diedit oleh J. Han. Elsevier Ltd. doi: 10.1016/B978-012311632-1/50046-2.
- Herawati, H. (2009) "Potensi Pengembangan Produk Pati Tahan Cerna Sebagai Pangan Fungsional," *Jurnal Litbang Pertanian*, 30(1).
- Herawati, H. (2012) "Teknologi Proses Produksi Food Ingredient," *Litbang Pertanian*, 31(12).

- Iroba, K. L., Tabil, L. G., Sokhansanj, S. dan Dumonceaux, T. (2014) "Pretreatment and fractionation of barley straw using steam explosion at low severity factor," *Biomass and Bioenergy*. Elsevier Ltd, 66, hal. 286–300. doi: 10.1016/j.biombioe.2014.02.002.
- Jacobs, H., Eerlingen, R. C., Rouseu, N., Colonna, P. dan Delcour, J. A. (1998) "Acid hydrolysis of native and annealed wheat, potato and pea starches—DSC melting features and chain length distributions of lintnerised starchesNo Title," *Carbohydrate Research*, 308(3–4), hal. 359–371.
- Jacquet, N., Maniet, G., Vanderghem, C., Delvigne, F. dan Richel, A. (2015) "Application of Steam Explosion as Pretreatment on Lignocellulosic Material: A Review," *Industrial and Engineering Chemistry Research*, 54(10), hal. 2593–2598. doi: 10.1021/ie503151g.
- Juliana, R. (2007) *SKRIPSI RESISTANT STARCH TIPE III DAN TIPE IV PATI SINGKONG (Manihot esculenta Crantz), SUWEG (Amorphophallus campanulatus), DAN UBI JALAR (Ipomoea batatas L.) SEBAGAI PREBIOTIK*. Institut Pertanian Bogor.
- Kizil, R., Irudayaraj, J. dan Seetharaman, K. (2002) "Characterization of irradiated starches by using FT-Raman and FTIR spectroscopy," *Journal of Agricultural and Food Chemistry*, 50(14), hal. 3912–3918. doi: 10.1021/jf011652p.
- Klein, B., Zanella, V., Levien, N., Zavareze, R., Colussi, R., Amaral, J., Carlos, L., Renato, A. dan Dias, G. (2013) "Effect of single and dual heat – moisture treatments on properties of rice , cassava , and pinhao starches," *Carbohydrate Polymers*. Elsevier Ltd., 98(2), hal. 1578–1584. doi: 10.1016/j.carbpol.2013.07.036.
- Koswara, S. (2009) *Teknologi modifikasi pati*. Tersedia pada: <http://tekpan.unimus.ac.id/wp-content/uploads/2013/07/TEKNOLOGI-MODIFIKASI-PATI.pdf>.
- Kusnandar, F., Pitria Hastuti, H. dan Syamsir, E. (2015) "Resistant Starch of Sago from Acid Hydrolysis and Autoclaving-Cooling Processes," *Jurnal Teknologi dan Industri Pangan*, 26(1), hal. 52–62. doi: 10.6066/jtip.2015.26.1.52.
- LaboratoryGea Niro Research (2005) "Analitical Methods Dry Milk Products," (September), hal. 14–16.
- Ni, S., Zhao, W., Zhang, Y., Gasmalla, M. A. A. dan Yang, R. (2016) "Efficient and eco-friendly extraction of corn germ oil using aqueous ethanol solution assisted by steam explosion," *Journal of Food Science and Technology*, (1800), hal. 1–9. doi: 10.1007/s13197-016-2189-9.
- Pang, F., Xue, S., Yu, S., Zhang, C., Li, B. dan Kang, Y. (2013) "Effects of combination of steam explosion and microwave irradiation (SE-MI) pretreatment on enzymatic hydrolysis, sugar yields and structural properties of corn stover," *Industrial Crops and Products*. Elsevier B.V., 42(1), hal. 402–408. doi:

10.1016/j.indcrop.2012.06.016.

Pangestu, A. (2016) *Karakterisasi Sifat Fisikokimia dan Potensi Prebiotik Tepung Garut (Maranta arundinacea) dengan Perlakuan SteamFlash-Explosion*. Universitas Gadjah Mada.

Poshadri, a dan Kuna, A. (2010) "Microencapsulation technology: A review," *The Journal of Research ANGRAU*, 38(1), hal. 86–102.

Prihantoro, R. (2016) *Pembuatan Enkapsulan dari Tapioka Pregel dengan Metode Hidrolisis Asam untuk Mikroenkapsulasi Asap Cair*. Universitas Gadjah Mada.

Puncha-Arnon, S. dan Uttapap, D. (2013) "Rice starch vs. rice flour: Differences in their properties when modified by heat-moisture treatment," *Carbohydrate Polymers*. Elsevier Ltd., 91(1), hal. 85–91. doi: 10.1016/j.carbpol.2012.08.006.

Rukmana, R. (1997) *Kentang: Budi Daya dan Pascapanen*. Yogyakarta: Kanisius.

Saeki, T., Hisayuki, K., Daimon, H. dan Fujie, K. (2007) "Recovery of Valuable Substances from Unused Potatoes Using a Steam Explosion Reaction." Tersedia pada: https://www.jstage.jst.go.jp/article/jswme/18/1/18_1_1/_pdf.

Saloko, S., Darmadji, P., Setiaji, B., Pranoto, Y. dan Anal, A. K. (2013) "Encapsulation of coconut shell liquid smoke in chitosan-maltodextrin based nanoparticles," *International Food Research Journal*, 20(3), hal. 1269–1276.

Sarip, H., Hossain, M. S., N., M. A. M. dan Allaf, K. (2016) "A Review of the Thermal Pretreatment of Lignocellulosic Biomass towards Glucose Production: Autohydrolysis with DIC Technology," *BioResources*, 11(4), hal. 1–29. doi: 10.15376/BIORES.11.4.

Sharma, O. . (2002) *Plant Taxonomy*. Delhi: Mc Graw Hill Company Limited, New.

Srihari, E., Lingganingrum, F. S., Hervita, R. dan S, H. W. (2010) "Pada Pembuatan Santan Kelapa Bubuk," *SEMINAR REKAYASA KIMIA DAN PROSES*, hal. 4–5.

Sui, W. dan Chen, H. (2016) "Effects of water states on steam explosion of lignocellulosic biomass," *Bioresource Technology*. Elsevier Ltd, 199, hal. 155–163. doi: 10.1016/j.biortech.2015.09.001.

Tari, A. I. . (2010) "Pembuatan Minuman Instan Secang: Tinjauan Proporsi Putih Telur dan Maltodekstrin terhadap Sifat Fisik dan Organoleptiknya," *urnal Teknologi Pangan dan Hasil Pertanian V*, hal. 61–71.

Taruna Syah, I., Darmadji, P. dan Pranoto, Y. (2016) "Microencapsulation of Refined Liquid Smoke Using Maltodextrin Produced from Broken Rice Starch," *Journal of Food Processing and Preservation*, 40(3), hal. 437–446. doi: 10.1111/jfpp.12621.

Winarno, F. G. (2004) *Kimia Pangan dan Gizi*. Jakarta.



- Wurzburg, O. B. (1989) *Food Polysaccharides and Their Applications* - Google Books. 2nd ed. CRC Press. Tersedia pada: [https://books.google.co.id/books?hl=en&lr=&id=UInMBQAAQBAJ&oi=fnd&pg=PA87&dq=Wurzburg+\(1989\)+modified+starch&ots=DYkZ8k0uI_&sig=7r8MELo3Y4XSPTTFk2C5jPwo-28&redir_esc=y#v=onepage&q=Wurzburg+\(1989\)+modified+starch&f=false](https://books.google.co.id/books?hl=en&lr=&id=UInMBQAAQBAJ&oi=fnd&pg=PA87&dq=Wurzburg+(1989)+modified+starch&ots=DYkZ8k0uI_&sig=7r8MELo3Y4XSPTTFk2C5jPwo-28&redir_esc=y#v=onepage&q=Wurzburg+(1989)+modified+starch&f=false) (Diakses: 13 Maret 2017).
- Yi, J., Zhang, Q., Li, X., Wang, X., Li, B. dan Zhu, W. (2016) “Steam explosion technology based for oil extraction from sesame (*Sesamum indicum* L.) seed,” *Journal of the Saudi Society of Agricultural Sciences*. The Authors. doi: 10.1016/j.jssas.2016.10.003.
- Yu, Z., Zhang, B., Yu, F., Xu, G. dan Song, A. (2012) “Bioresource Technology A real explosion : The requirement of steam explosion pretreatment,” *Bioresource Technology*. Elsevier Ltd, 121, hal. 335–341. doi: 10.1016/j.biortech.2012.06.055.