

## DAFTAR PUSTAKA

- Anggriawan, R. 2010. Pengaruh varietas jagung hibrida dan metode penggilingan terhadap variabel kimia, fisik dan fungsional tepung jagung hibrida. Skripsi. Universitas Jenderal Soedirman. 130pp.
- Anonymous. 2010 a. Pencapaian produksi jagung di Lampung. [www.translampung.com](http://www.translampung.com). Diakses pada tanggal 11 Maret 2010.
- Anonymous. 2010b. Cookbook: Chalupa. <http://en.wikibooks.org/wiki/Cookbook:Chalupa>. Diakses pada Tanggal 1 Oktober 2010.
- AOAC. 1990. *Official method of analysis of AOAC*. 14<sup>th</sup> Edition. AOAC Inc., Arlington, Virginia.
- Apriyantono, A. 1989. Analisis pangan. UPT Produksi Media Informasi LSI-IPB. Bogor. Hlm xx.
- Asp, N.G., C. G. Johanson, H. Halimer and M. Siljestrom. 1993. Rapid enzymatic assay of insoluble and soluble dietary fiber. *Journal Agricultural Food Chemistry*. 31 : 467-482.
- Badan Pusat Statistik. 2008. Indonesia Dalam Angka. Indonesia
- Badan Pusat Statistik. 2010. Lampung Dalam Angka. Lampung
- Balagopalan., C.G. Padmaja., S.K. Nanda and S.N. Morthy.1988. *Cassava in food, feed, and industry*. CRC Press, Inc., Boca Raton Florida.
- Bello-Pe'rez, L.A., E. Agama-Acedo., L. Sa'nchez-Herna'ndez., and O. Parade-Lopez. 1999." Isolation dan partial characterization of banana starches'. *Journal Agricultural Food Chemistry*. 47 : 854-857.
- Berzok, L. M. 2005. *American Indian Food*. Greenwood Press. ISBN 9780313329890. [http://books.google.com/books?id=B\\_y0\\_ekzJwQC](http://books.google.com/books?id=B_y0_ekzJwQC). Diakses pada Tanggal 20 September 2010.
- Beuchat, L.R. 1977. Functional and electrophoretic characteristics of succinylated peanut flour protein. *Journal Agricultural Food Chemistry*. 25: 258-261.

- Bharati, P., and M. P.Vaidehi. 1989. "Enrichment of sorghum in grains". *Food and Nutrition Bulletin*. 11 (2) : 53-55.
- Bhattacharyya, E., U. Ghosh., H. Gangopadhyay and U. Raychaudhuri. 2007. Effect of thermal treatments and germination on physico-chemical properties of corn flour. *Journal of Biotechnology*. 6 (8) : 994-999.
- Billiadris, C.G. 1982. Physical characteristics, enzymatic digestibility and structure of chemical modified smooth pea and waxy maize starches. *Journal of Agricultural Food Chemistry*. 30: 925-930.
- Blessin, C.W., J. D. Brecher and R. Dimler. 1964. Carotenoids of corn and sorghum. St. Louis, Missouri.
- Carranza, R. 2006. A pioneer of the tortilla chips. The San Diego Union-Tribune.
- Carmen, W. 2003. Nixtamalization, a mesoamerican technology to process maize at small-scale with great potential for improving the nutritional quality of maize based foods. UNAM. D. F. México.
- Dubois, M., K. A. Gilles, J. K. Hamilton, P. A. Rebers, and F. Smith. 1956. Colorimetric method for determination of sugars and related substances. University Of Minnesota. St. Paul. Minn. 28 (3) : 350-356.
- Duggan, T. 2001. The silver torpedo "the weighty, one-of-a-kind mission burrito has reached cult status among its wide variety of fans". <http://www.sfgate.com/cgi-in/article.cgi?f=/c/a/2001/04/29/CM162769.DTL>. Diakses pada tanggal 1 Oktober 2010.
- Fardiaz, S and Rambitan. 1988. Karakterisasi sifat fisiko kimia dan fungsional pati beberapa varietas jagung. Laporan Penelitian, Laboratorium Kimia dan Biokimia Pangan, Pusat Antar Universitas Pangan dan Gizi, IPB
- Fandohan. P., K. Hell., W.F.O. Marasas and M. J. Wingfield. 2008. Infection of maize by Fusarium species and contamination with fumonisin in Africa. *Journal of Biotechnology*. 2 (12). 570-579.
- Fennema, O.R.1976. *Principles of food science*. Marcel Dekker, Inc. New York-Basel-Hongkong.
- Fernandez, J. L., M. E. Rodriguez., R.C. Pless., H. E. M. Flores., M. Leal., J. L. Martinez and L. Banos. 2008. Changes in nixtamalized corn flour dependent on postcooking steeping time. *American Association of Cereal Chemist, Inc*. 79 (1). 162-166.
- Firmansyah, I.U., M. Aqil and Y. Sinuseng. 2007. Penanganan pascapanen jagung. Laporan Hasil Penelitian, Balai Penelitian Tanaman Serealia. Maros. 364-384.

- Glicksman, M. 1969. *Gum Technology in Food Industry*. Academic Press, London.
- Gomez, M. H., C. M. McDonough, L.W. Rooney and R. D. Waniska. 1989. Changes in corn and sorghum during nixtamalization and tortilla baking. *Journal of Food Science*. 54 : 330–336.
- Greenwood, C.T. 1975. Observation on structure of starch granule. Edinburgh University. 270-273.
- Gutiérrez-Cortez, E., I. Rojas-Molina, A. Rojas, J.L. Arjona, M.A. Cornejo-Villegas, Y. Zepeda-Benítez, R. Vela Zúñiga-Hernández, C. Ibarra-Alvarado, M.E. Rodríguez-García. 2010. Microstructural changes in the maize kernel pericarp during cooking stage in nixtamalization process. *Journal of Cereal Science*. 51 : 81–88.
- HACH Company. 2004. *DR/4000 Spectrophotometer models 48000 and User Manual 08/04 3ed*. HACH Company World Headquarters. Colorado. 115 pp.
- Haryadi, 1999. Hidrokoloid gel. Jurusan Teknologi Pangan dan Hasil Pertanian, Fakultas Pertanian. UGM. Yogyakarta.
- Herrera, M. L. 1979. Corn kernel hardness as an index of the alkaline cooking for tortilla preparation. *Journal of Food Sci*. 44 (2) : 377-380.
- Inglett. 1970. *Corn culture, processing and product*. The AVI publ. co.inc. Westport, corn. 35pp.
- Jackson, D. S. 2002. *Enzymatic process for nixtamalization of cereal grains*. The Board of Regents of the University of Nebraska. Lincoln, NE, US.
- Jayusmar, E. Trisyulianti and J. Jacja. 2002. Pengaruh suhu dan tekanan pengempaan terhadap sifat fisik wafer ransum dari limbah pertanian suber serat dan leguminosa untuk ternak ruminansia. *Media Peternakan*. 24 (3): 76-80.
- Jorge, F and A. Carlos. 2001. Chemical and physicochemical properties of maize starch after industrial nixtamalization. *American Association of Cereal Chemist, Inc*. 78 (5): 543-550.
- Lai, L.N., A. Abd Karim, M.H. Norziah, C.C. Seow. 2002. Effects of Na<sub>2</sub>CO<sub>3</sub> and NaOH on DSC thermal profiles of selected native cereal starches. Universiti Sains Malaysia, Penang, Malaysia. *Food Chemistry*. 78 : 355–362.

- Lawal, O.S.1., K.O Adebawale and R.A. Oderinde. 2004. Functional properties of amylopectin and amylase fractions isolated from bambarra groundnut (*Voandzeia subterranean*) starch. Olabisi Onabanjo University. Nigeria.
- Lii, C.Y and Chang, S.M., 1981. Characterization of red bean (*phaseolus radiatus var. Aurea*) starch and its noodle quality. *Jurnal of Food Science*. 46.(1) : 78 -81.
- Lucke, F.K. 1985. Fermented Sausages In : Microbiology of fermented foods. Vol.2. Wood, B.J.B. (ed). Elsevier Applied Sci. Publisher. London.
- Martinez, E. S., M. R. Jaime., F. F. M Bustos and J. L M. Montes. 2001. Selective nixtamalization of fraction of maize grain (zea mays l.) And their use the preparation of instant tortilla flours analyzed using response surface methodology. *American Association of Cereal Chemist, Inc.* 80 (1): 13-19.
- Matz, S. 1962. *Food texture*. The AVI Publishing Co. New York. 573 pp.
- Mendez-Montevalvo, G., Sanchez-Rivera, M.M., Parades-Lopez, O. and Bello-Perez, L. A. 2006. Thermal and rheological properties of nixtamalized maize starch. *International Journal of Biological Macromolecules*. 40 : 59-63.
- Miyazaki., V.H. Megumi., M. Tomoko and M. Naofumi. 2006. *Recent Advances in Application of Modified Starches for Breadmaking*, Trend in Food Science & Technology 17: 591-599.
- Moorty, N.S. 2002. Physicochemical and functional properties of tropical tuber starches : A Review. *Starch/starke*. 54 : 559-592.
- Munarso and Mudjisihono. 1998. Analisis kandungan kimia dari varietas-varietas Jagung yang dilepas. Laporan Hasil Penelitian. Balai Penelitian Sukamandi.
- Noda, T., Y. Takahata., T. Nagata. 1994. Chemical composition of cell wall material from sweet potato. *Starch / Stärke*. 46: 232-236.
- Nurdjanah, S. 2005. Extraction and characterization of pectin from indonesian and australian sweet potato starch residue. Phd Thesis. School Of Chemical Engineering. UNS W. Sydney Australia.
- Nusantoro, B.P., Haryadi., N. Bintoro and D. Purnama. 2004. Pembuatan tepung jagung kuning pramasak dengan proses nixtamalisasi serta karakterisasi produknya. *Agritech*. (25) 3 : 148-153.
- Putri, S. 2008. Karakterisasi sifat fisikokimia ubi kayu berdasarkan umur panen dan lokasi tanam yang berbeda. Skripsi. Unila.

- Palacios-Fonseca, A. J., C. Vazquez-Ramos and M.E. Rodríguez-García. 2009. Physicochemical characterizing of industrial and traditional nixtamalized corn flours. *Journal of Food Engineering*. 93: 45–51.
- Ratnayake, W.S., R. Hoover and W. Tom. 2002. Pea starch: composition, structure and properties – review. *Starch/Starke*. 54: 217 – 234.
- Richana, N and Suarni. 2006. Teknologi pengolahan jagung. Balai Besar Penelitian dan Pengembangan Pascapanen. Bogor.
- Roels, J.A. and G. M. A. V. Beynum,. (eds). 1985. *Starch conversion technology*. Marcel Dekker, Inc., New York and Basel.
- Rooney, L. W., and Serna-Saldivar, S. O. 1987. Food used of whole corn and dry milled fractions. *American Association of Cereal Chemists, Inc.* St. paul. Minnesota, USA.
- Rooney, L. W., and Suhendro, E. L. 1999. Perspectives on nixtamalization (alkaline cooking) of maize tortillas and snacks. *Cereal Foods World*. 44: 466-470.
- Rong, L. I and W. Kang-Ning. 2009. Nixtamalization effect on the contents of phytic acid in the varieties of maize and the bioavailability of iron in nixtamalized to young pigs. *Journal of nutrition*. 8 (6) : 905-909.
- Rosentrater, K. A. 2005. A review of corn masa processing residues: generation, properties, and potential utilization. *Journal of Food science*. 26 : 284–292.
- Sahai, D., J. P Mua., I. Surjewan., M. O. Buendia., M. Rowe and D. S Jackson. 2006. Alkaline processing (nixtamalization) of white mexican corn hybrids for tortilla production: significance of corn physicochemical characteristics and process conditions. *American Association of Cereal Chemist, Inc.* 78 (2) : 116-120.
- Sajilata, M. G., R. S. Singhai and P.R. Kulkarni. 2006. Resistant starch. *Compreherensive Reviews in Food Science and Food Safety Institute of Food Technologist. Matunga, Mumbai. India.* 5: 1-7.
- Saldivar, S. O., H. D. Almeida-Dominguez,., M. H. Gomez., A. J. Blockholt and L. W. Rooney. 1991. Method to evaluate case of pericarp removal on lime-cooked corn kernels. *Crop Sci.* 31:842-844.
- Sarasuta, I. P. 2002. “Kinerja usaha tani dan pemasaran jagung di sentra produksi”. *Jurnal Litbang Pertanian*. 21 (2) : 39-47.

- Scott, C. E., and L. E. Alison. 2004. Comparison of carotenoid content in fresh, frozen and canned corn. Original Article. Mills, Bell Institute of Health and Nutrition. Minneapolis.
- Sefa-Dedeh, S., B. Cornelius., W. Amoa-Awua., E. Sakyi-Dawson and E. O. Afoakwa. 2004. "The microflora of nixtamalized corn". *International journal of Food Microbiology*. 96 : 97-102.
- Setiawan, I. 2009. Pengaruh fermentasi spontan terhadap sifat fisikokimia pati jagung. Skripsi. Unila.
- Singh, N., K. S. Sandhu, and M. Kaur. 2005. Physicochemical properties including granular morphology, amylose content, swelling and solubility, thermal and pasting properties of starches from normal, waxy, high amylose and sugary corn. *Progress in Food Biopolymer Research*. 1: 43-55. <http://www.ppti.usm.my/pfbr>.
- Singh, S.K., L. A. Jhonson., L. M. Pollak., S. R. Fox., and T. B. Bailey. 1997. Comparison of laboratory and pilot plant corn- wetmilling procedures. *Cereal Chem.* 74: 40-48.
- Smith, A. F. 1999. Tacos, enchiladas and refried beans: the invention of mexican-american cookery. Presented at the Symposium at Oregon State University.
- Standar Nasional Indonesia. Tepung jagung. SNI 01 - 2891 – 1992.
- Suarni. 2009. Prospek pemanfaatan tepung jagung untuk kue kering (cookies). Balai Penelitian Tanaman Serealia. Maros. *Jurnal Litbang Pertanian*. 28 (2) : 63-68.
- Suarni and S. Widowati. 2007. Struktur, Komposisi, dan Nutrisi Jagung. *Jurnal Teknik Produksi dan Pengembangan Jagung*. 14 pp.
- Suarni and I.GP. Sarasutha. 2002. Teknologi pengolahan jagung untuk meningkatkan nilai tambah dalam pengembangan agroindustri. Prosiding Seminar Nasional, BPTP Sulawesi Tengah.
- Taylor, A. J. 2002. *Food flavour technology*. Division of Food Science. University of Nottingham, UK. Sheffield Academic Press.
- Tester R.F and J. Karkalas. 1996. Swelling and gelatinization of oat starches. *Cereal Chemistry*. 73: 271-273.
- Torruco-Uco, J and D. Bentacur-Ancona. 2007." Physicochemical and functional properties of makal (*Xanthosoma yucatanensis*) starch'. *Food Chem*. 101 : 1319-1326.

- Valderrama-Bravo, C., A. Rojas-Molina., E. Gutiérrez-Cortez., I. Rojas-Molina., A. Oaxaca-Luna., E. De la Rosa-Rincón., M.E. Rodríguez-García. 2010. Mechanism of calcium uptake in corn kernels during the traditional nixtamalization process: Diffusion, accumulation and percolation. *Journal of Food Engineering*. 98 : 126–132.
- Vandeputte, G.E., V. Deryeke, J. Geeroms, and J. A. Delcour. 2003. Structural aspects provide insight into swelling and pasting properties. *Journal of Cereal Science*. 38 (1) : 53-59.
- Vivas, N. E., R. D. Waniska,., L. W. Rooney. 1987. “ Thin porridges (atole) prepared from maize and sorghum”. *Cereal Chemistry*. 64 (6) : 384 -389.
- Watson. 2003. *Corn: chemistry and technology*. American Association of Cereal Chemists, Inc. St. Paul Minnesota. USA.
- Whisler, R.L. and E.F. Paschall.1984. *Starch chemistry and technology 2<sup>nd</sup> edition*. Academic Press, Inc. USA.
- Widowati, E. 2006. Pengaruh lama perendaman dengan larutan kapur tohor  $\text{Ca}(\text{OH})_2$  pada kulit buah manggis terhadap kualitas kembang gula jelly. Skripsi. Fakultas Teknik. Universitas Negeri Semarang. Semarang.
- Wilson, C.M. 1981. Variations in soluble endosperm proteins of corn (*Zea mays* L.) in breeds as detected by disc gel electrophoresis. *Cereal Chem*. 58(5): 401-408.
- Winarno. F.G. 2002. *Kimia pangan dan gizi*. Gramedia. Jakarta. 15-45.
- Widianti. G. G. 2009. Pengaruh lama pemasakan dalam proses nixtamalisasi terhadap sifat organoleptik dan kimia tortilla chips. Skripsi. Unila.
- WSI. 1997. Westfalia Separator Industry. Starch from corn separation technology for cereals. <http://www.westfaliaseparator.com/downloads/pdf/9997-0681>. Diakses pada tanggal 5 Desember 2010.
- Xu, Y., V. Miladinov., M. A. Hanna. 2004. Synthesis and characterization of starch acetates with high substitution. *Cereal Chemistry*. 81 : 735-740.
- Yuan, Y., L. Zhang., Y. Dai and J. Yu. 2007. Physicochemical properties of starch obtained from *dioscorea nipponica* makino comparison with other tuber starches. *Journal of Food Engineering*. 82 : 436-442.
- Zuhra, C. F. 2006. Flavor (Citarasa). FMIPA. USU. Medan.