

DAFTAR PUSTAKA

- Agnes-Murdiati, S. Anggrahini, dan Supriyanto, (2013). *Peningkatan "Value Added" Koro Pedang (*Canavalia ensiformis* L.) Sumber Protein nabati Melalui Penyiapan Tepung Koro Pedang Siap Olah dan Hasil Olahannya Berdasarkan Kesesuaian Karakteristik Tepung Yang Diperoleh (Lanjutan)*. Laporan Penelitian PUPT-UGM 2013.
- Agnes-Murdiati, S. Anggrahini, dan Supriyanto, (2014). *Peningkatan "Value Added" Koro Pedang (*Canavalia ensiformis* L.) Sumber Protein nabati Melalui Penyiapan Tepung Koro Pedang Siap Olah dan Hasil Olahannya Berdasarkan Kesesuaian Karakteristik Tepung Yang Diperoleh (Lanjutan)*. Laporan Penelitian PUPT-UGM 2015.
- Anonim. (1996). *Official Methods of Analysis of AOAC International*. 18th ed. AOAC International suite 500. 481 North Frederick Avenue. Gairhersburg. Maryland. USA
- Anonim. (1989). Absorpsi Nutrien. Kursus Singkat Gizi Experimental, PAU Pangan dan Gizi. UGM. Yogyakarta.
- Anonim. (1999). *Report of the Informal Working Group On Prevention of Deafness and Hearing Impairment Programme Planning*. Geneva.
- Anonim. (2016). Prospek Aneka Kacang Potensial: Koro Pedang sebagai Pengganti Kedelai. <http://balitkabi.litbang.pertanian.go.id/?p=4576>. [18 Mei 2017].
- Arora S.K., Mc Farlane S.I. *The Case for Low Carbohydrate Diets in Diabetes Management*. (2005). *Nutr & Metab*. 15(2).
- ASP NG. (1992). Resistant starch-Proceedings from the second plenary meeting of EURESTA: European FLAIR Concerted Action, 11 on physiological implications of the consumption of resistant starch in man. Preface. *European Journal of Clinical Nutrition* 46: S1. Quoted in : A. P. Nugent. 2005. Review. Health properties of resistant starch. *Nutr Bull*, 30, pp. 27-54.
- Asp, N-G. dan I. Bjorck. (1992). *Resistant Starch. Review. In Trends in Food Science and Technology* 3. Elsevier, London
- Astut, M. (1984). Absorpsi Iodium Dalam Gula Kelapa yang Difortifikasi dengan Iodium pada Usus Tikus Secara In Situ. *Tesis*. UGM. Yogyakarta.

- Borquin, L. D. E.C. Tithetmeyer, K.A. Garleb dan G.C. Fahey, Jr. (1992). Short Chain Fatty Acid Production and Fiber Degradation by Human Colonic Bacteria : Effects of Substrate and Cell Wall Fractionation Procedures. *J. Nutr.* 122 : 1508-1520.
- Budielfreda. (2014). *Profil Lipid dan Glukosa Serum Pda Tikus Sparague Dawley Yang Diberi Pakan Tepung Koro Pedang (Canavalia ensiformis L.) Putih. Skripsi.* Fakultas Teknologi Pertanian. Universitas Gadjah Mada. Yogyakarta.
- Chau, C. F., dan Y. L. Huang. (2003). *Comparison of the chemical composition and physicochemical properties of different fibres prepared from the peel of Citrussinensis L. cv. Liucheng.* *Journal of Agricultural and Food Chemistry*, 51, 2615–2618.
- Chau, C. F., K. Cheung dan Y. S. Wong. (1997). *Functional properties of protein concentrates from threes chinese indigenous legume seeds.* *Journal of Agricultural and Food Chemistry* 45(7): 2500-2503.
- Colton, T. (1974). *Statistics in Medicine.* Boston, Little: *Brown and Company.*
- Cornfine, C., K. Hasenkopf, P. Eisner, dan U. Schweiggert. (2010). *Influence of chemical and physical modification on the bile acid binding capacity of dietary fibre from lupins (Lupinus angustifolius L.).* *Food Chemistry* 122 : 638–644.
- Cummings, John H. (1989). Metabolism of Dietary Fiber in The Large Intestin. In Cummings, J.H. (ed.). *The Role of Dietary Fiber in Enteral Nutrition.* Abbt international LTD-USA.
- Damat, Y. Marsono, Haryadi dan M.N. Cahyanto. (2008). *Efek Hipokolesterolemik Dan Hipoglikemik Pati-Garut Butirat Pada Tikus Sparague Dawley. Majalah Farmasi Indonesia (MFI).* Fakultas Farmasi. UGM. Vol. 19 No. 3.
- Daniel, M., E. Wisker, G. Rave dan Walter Feldhein. (1997). Fermentation in Human Subjects of Nonstarch Polysaccharides in Mixed Diets, but not in a Barley Fiber Concentrate, Could Be Predicted by in Vitro Fermentation Using Human Fecal Inocula. *J. Nutr.* 127 : 1981-1988.
- Demique, C. dan C. Remesey. (1991). Hepatic Metabolism of Short Chain Fatty Acids Report of the Tenth Roos Conference on Medical Research, Short Chain Fatty Acids : Metabolism and Clinical Importance, Columbus, Ohio, Ross Laboratories.

- Dianandha S.R. (2013). Pengaruh Pemberian Tepung Gembili (*Dioscorea esculenta*) Terhadap Kadar Trigliserida Tikus Wistar Yang Diinduksi Nikotinamide-Streptozotosin. Skripsi. Fakultas Kedokteran. Universitas Gadjah Mada. Yogyakarta.
- Englyst HN, Kingman SM, Cummings JH. (1992). *Classification and Measurement of Nutritionally Important Starch Fraction*. Eur J Clin Nutr 46:3-50.
- Englyst, H.N. and Cummings, J.H. (1987). *Digestion Of Polysaccharides Of Potato In The Small Intestine Of Man*. Am. J. Clin. Nutr. 45: 423-431.
- Fitri RI., Yekti Wirawanni. (2012). *Asupan Energi, Karbohidrat, Serat, Beban Glikemik, Latihan Jasmani dan Kadar glukosa Darah pada Pasien Diabetes Mellitus Tipe 2*. M Med Indonesia. 46:2.
- Fortivielle, A.M., Rizkalla, S.w., Penformis, A., Acosta, M., Bornet, F.R.J. and Slama, G., (1992). *The Use of Low Glycemic Index Foods Improves Metabolic Control of Diabetic Patients Over Five Weeks*. Diabetic Medicine 9:444-50.
- Fuentes-Zaragoza, E., M. J. Riquelme-Navarrete, E. Sanchez-Zapata. Sanchez, and J. A. Perez-Alvarez. (2010). *Resistant starch as functional ingredient : A review*. Food Research International 43: 931-942.
- Goñia , I., L. García-Diz, E. Mañasb, dan F. Saura-Calixto. (1996). *Analysis of resistant starch: a method for foods and food product*. Food Chem 56(4):445–449.
- Gourgue, C. M. P., M. M. J. Champ, Y. Lozano dan J.D. Lavel. (1992). *Dietary Fiber from Mango Byproducts : Characteristicsxation and Hipoglycemic Effect Determination by In Vitro Methods*. J. Agric. Food. Chem. 40 : 1864-1868.
- Haralampu, S.G. (2000). *Resistant Starch – a review of the physical properties and biological impact of RS3*. Carbohydrate Polymers 41: 285-292.
- Hasjim, J., Y. Ai dan J. L. Jane. (2013). Novel Applications of Amylose-Lipid Complex as Resistant Starch Type 5. Dalam: Shi, Y. C. and C. C. Maningat (ed) : Resistant Starch: sources, applications and health benefits. John Wiley & Sons, Ltd., UK, p 79-94.
- Hastin, D.K. (2016). *Profil Lipid Dan Karakteristik Digesta Tikus Sprague Dawley Hiperkolesterol Dengan Fungsi Tiroid Normal Setelah Intervensi Diet Tepung Pisang Uter (*Musa paradisiaca* Linn)*. Fakultas Tekoloh=gi Pertanian. Universitas Gadjah Mada.

- Herpadi, Astawan, M., Wresdiyati, T dan Palupi, NS. (2006). *Perubahan Profil Lipida, Kolesterol Digesta dan Asam Propionat pada Tikus dengan Diet Tepung Rumput Laut*. Jurnal Teknol dan Industri Pangan :3 : 227-232.
- Hoover, R., F. Sosulsk dan Saskatchewan. (1985). *Studies on the Functional Characteristics and Digestibility of Starches from Phaseolus vulgaris Biotypes*. Starch/starke 37 Nr. 6, S. 181 -191.
- Huang, D.P. dan L. W. Rooney. (2001). *Starches for Snacks Foods*. Dalam R.W. Lusas and L.W. Rooney (eds). *Snack Foods Processing*. CRC Press. New York.
- Katoh. (1991). *The Effect of O=Short Chain Fatty Acid on the Pancreas : Endocrine and Exocrine*. Report of the Tenth Roos Conference on Medical Research ; Short Chain Fatty Acids : Metabolism and Chemical Importance, Columbus, Ohio, Ross Laboratories.
- Kusnandar, F. (2010). *Teknologi Modifikasi Pati dan Aplikasinya di Industri Pangan*. Departemen Ilmu Teknologi Pangan. IPB.
- Kusnandar. 2015. *Pati Resisten Sagu Hasil Proses Hidrolisis Asam dan Autoclaving-Cooling*. Thesis. Fakultas Teknologi Pertanian. Institut Pertanian Bogor.
- Lecklere. C.J., M. Champ, J. Boillot, G. Guille, G. Lecannu, C. Molis, F. Bornet, M. Krempf, J.D. Laval dan J.P. Galmiche. (1994). *Role of Viscous Guar Gums in Lowering the Glycemic Response After a Solid Meal*. Am. J. Clin. Nutr. 59 : 914-921.
- Lehman, U., G. Jacobasch dan D. Schmiedl. (2002). *Characterization of Resistant Starch Type III from Banana (*Musa acuminata*)*. J. Agric. Food Chem, 50:5236-5240.
- Lehninger, A.L. (1990). *Dasar-dasar Biokimia Jilid I*. Alih Bahasa Magy Thenawidjaya. Jakarta : Penerbit Erlangga.
- Lii, CY dan Chang, YH. (1991). *Study of Starch in Taiwan*. Food Reviews International, Marcel Dekker, Inc., New York. 7(2):192-193.
- Linder, MC. *Biokimia Nutrisi dan Metabolisme*. (1992). Jakarta: UI Press.
- Lingga. 2013. *Bebas Diabetes Tipe-2 Tanpa Obat*. Agromedia. Jakarta.
- Luo J., Yperselle M.V., Rizkalla S.W., Rossi F., Bornet FRJ. (2000). *Chronic Consumption of Short Chain Fructooligosaccharides Does Not Affect Basal Hepatic Glucose Production or Insulin Resistance in type 2 Diabetics*. J Nutr. 130:1572-7.

- Malingan, JM., Estiasih, T., Sunarharum, WB dan Rianto, T. (2011). *Efek Hipokolesterolemik Tepung Umbi Gadung (Dioscorea hispida Dennst) pada Tikus Wistar Jantan Yang Diberi Diet Hiperkolesterol*. Jurnal Teknologi Pertanian. 12(2) : 57-63.
- Maningat. C.C. dan P. A. Seib. (2013). RS4-Type Resistant Starch: Chemistry, Functionality and Health Benefits. Dalam: Shi, Y. C. and C. C. Maningat (ed) : Resistant starch: sources, applications and health benefits. John Wiley & Sons, Ltd., UK, p 43-77.
- Marimuthu, M. dan P. Gurumoorthi. (2013). *Physicochemical and functional properties of starches from Indian Jack bean (Canavalia ensiformis L), an underutilized wild food legume*. Journal of Chemical and Pharmaceutical Research 5(1):221-225.
- Marsman, K.E. dan M. I. McBurney. (1995). Dietary Fiber Increases Oxidative Metabolism in Colonocytes but Not in Distal Small Intestinal Enterocytes Isolated from Rats. J. Nutr. 125 : 273-282.
- Marsman, K.E. dan M.J. Mc Burney. (1995). *Dietary Fiber Increases Oxidative Metabolism in Colonocytes but not in Distal Small Intestinal Enterocytes Isolated from Rats*. Journal of Nutrition 125 : 273-382.
- Marsono, Y. (1998). *Review : Resistant starch pembentukan, metabolisme dan aspek gizinya*. Agritech 18(4) : 29 – 35.
- Marsono, Y. (2004). Serat Pangan dalam Perspektif Ilmu Gizi. Pidato Pengukuhan Guru Besar pada Fakultas Teknologi Pertanian. Universitas Gadjah Mada. Yogyakarta.
- Martinez-Florez, Yang, J., Walter, J., Keshavarzian, A dan Rose, DJ. (2004). *Effect of High Fiber Products on Blood Lipids and Lipoproteins in Hamster*. Nutrition Research 24 : 85-93.
- Miller, T.L. and Wolin, M.J. (1979). *Fermentation By Saccharolytic Intestinal Bacteria*. Am. J. Clin. Nutr. 32:164-72.
- Morand C., Christian R., Marie-Anne L., & Christian D. (1992). Replacement Of Digestible Wheat Starch By Resistant Starch Cornstarch Alters Splanchnic Metabolism In Rats. *J Nutr*. 122 (2), pp. 345-354.
- Morita, T., S. Kasaoka, K. Hase dan S. Kiriyaama. (1999). Psyllium Shifts the Fermentation Site of High Amylose Cornstarch Toward the Distal Colon and Increases Fecal Butyrate Concentration in Rats. J. Nutr. 129 : 2081-2087.

- Scheppach, W., Fabian, C. Sachs, M. and Kasper, H. (1988). Effect of Starch Malabsorption on Fecal SCFA Excretion in Man. *Scand J. Gastroenterology* 23: 755-759.
- Sridhar, K.R dan S. Seena. (2006). *Nutritional and antinutritional significance of four unconventional legumes of the genus canavalia – A comparative study*. *Food chemistry* 99 : 267-288.
- Suharsi, T. K., M. Surahman, S. F. Rahmatani. (2013). *Pengaruh Jarak Tanam dan Pemangkasan Tanaman pada Produksi dan Mutu Benih Koro Pedang (*Canavalia ensiformis*)*. *Jurnal Ilmu Pertanian Indonesia (JIPI)* 18(3): 172 – 177.
- Szczodrak J, Pomeranz Y. (1991). *Starch and enzyme-resistant starch from high-amylose barley*. *Cereal Chemistry* 68: 589–96.
- Szkudelski, T. (2012). *Streptozotocin-Nicotinamide-Induced Diabetes In The Rat Characteristics Of The Experimental Model*. *Experimental Biology and Medicine* ISSN : 1535 – 3702 : 481-490
- Todesco T., Venketshwer R., Bosello O., Jenkins DJA. (1991). *Propionate Lowers Blood Glucose and Alters Lipid Metabolism*. *Am J Clin Nutr.* 54:560-5.
- Topping, D. L. dan P. M. Clifton. (2001). Short-Chain Fatty Acids And Human Colonic Function: Roles Of Resistant Starch And Nonstarch Polysaccharides. *Physiological Reviews*, 81(3): 1031-1064.
- Torsdottir, I., M. Alpsten, H. Anderson dan S. Einarsson. (1989). *Dietary Guar Gum Effects on Postprandial Blood Glucose, Insulin and Hydroxyproline in Humans*. *J. Nutr.* 119 : 1925-1931.
- Tovar J, Melito C. (1996). *Steam-cooking and dry heating produce resistant starch in legumes*. *J Agric Food Chem* 44(9):2642–5.
- Wahjuningsih, Sri Budi. (2000). Studi In Vivo dan In Vitro untuk Identifikasi Faktor Penentu Sifat Hipoglisemik Serat Kedele. *Tesis*. Fakultas Teknologi Pertanian. Universitas Gadjah Mada. Yogyakarta.
- Waspadji, S. (2006). *Diabetes Melitus :Apakah itu. Dalam Hidup Sehat dengan Diabetes*. Jakarta: Balai Penerbit FKUI.
- Weaver, G.A., Krause, J.A, Miller, T.L. and Wolin M.J. (1992). *Cornstarch Fermentation by Colonic Microbial Community Yields More Butyrate than does Cabbage Fiber Fermentation: Cornstarch Fermentation rates Correlate Negatively with Methanogenesis*. *Am. J. clin. Nutr.* 55: 70-7.

- Wild S, Roglic G, Green A. (2004). *Global Prevalence of Diabetes: Estimates For The Year 2000 And Projections For 2030*. *Diabetes Care* 27:1047–1053.
- Wirahadikusumah. 1985. *Biokimia Metabolisme Karbohidrat dan Lipid*. Bandung: ITB.
- Wong, J. M. W dan D. J. A. Jenkins. (2007). Carbohydrate Digestibility and Metabolic Effect. *J. of Nutr.* 137 (11) : 2539s-2546s.
- Wood, P. J., J. T. Braaten, F.W. Scott, D. Riedel dan L.M. Paste. (1990). *Comparisons of Viscous Properties of Oat and Guar Gum and the Effect of These and Oat Bran on Glysemic Index*. *J. agric. Food. Chem.* 38 : 753-757.
- Zhao, X. H. dan Y. Lin. (2009). *The Impact of Coupled Acid or Pullulanase Debranching on The Formation of Resistant Starch from Maize Starch with Autoclaving Cooling Cycles*. *Eur Food Res Technology*, 230 : 179-184.
- Zhongdong L, Peng L, Kennedy JF. (2005). *The Technology Of Molecular Manipulation And Modification. Asisted By Microwaves As Applied To Starch Granules*. *Carbohydrates Polymer* 61: 374–378.
- Zhou, Z., F. Wang, X.C. Ren, Y. Wang dan C. Blanchard. (2015). *Resistant Starch Manipulated Hyperglycemia/Hyperlipidemia and Related Genes Expression in Diabetic Rats*. *International Journal of Biological Marcromolecules*, (75): 316-321.