

## DAFTAR PUSTAKA

- Aja, P.M., E.U. Alum, N.N. Ezeani, B.U. Nwali, dan N. Edwin, 2015. Comparative Phytochemical Composition of *Cajanus cajan* Leaf and Seed. *International Journal of Microbiological Research*, **6 (1)** : 42-46: .
- AlSaraj, F., 2015. Pathogenesis of Type 2 Diabetes Mellitus, dalam: Croniger, C. (Editor), *Treatment of Type 2 Diabetes*. InTech.
- American Diabetes Association, 2015. Classification and Diagnosis of Diabetes. *Diabetes Care*, **38**: S8–S16.
- American Diabetes Association, 2017. Standards of Medical Care in Diabetes - 2017. *Diabetes Care, American Diabetes Association*, .
- Anwar, K., 2015. 'Aktivitas Hipoglikemik Kombinasi Ekstrak Etanolik Herba Sambiloto (*Andrographis paniculata* (Burm.f) Ness) dan Buah Mengkudu (*Morinda citrifolia* L.) pada Tikus Neonatal Streptozotocin-Induced Type 2 Diabetes Mellitus', . Universitas Gadjah Mada.
- Ariani, M. dan Ashari, 2003. Arah, Kendala dan Pentingnya Diversifikasi Konsumsi Pangan di Indonesia. *Forum Penelitian Agro Ekonomi. Pusat Penelitian dan Pengembangan Sosial Ekonomi Pertanian*, **21**: 99–112.
- Ariastuti, R., Prof. Dr. Agung Endro N, M.S., dan Dr. Suwidjiyo Pramono, D., 2017. 'Aktivitas Antidiabetes Ekstrak Terpurifikasi Herba Pegagan (*Centella asiatica* (L.) Urban) dan Herba Sambiloto (*Andrographis paniculata* (burm.f.) Nees) pada Tikus Diabetes Mellitus Tipe 2 Defisiensi Insulin', . Universitas Gadjah Mada.
- Asarian, L. dan Geary, N., 2013. Sex differences in the physiology of eating. *American Journal of Physiology - Regulatory, Integrative and Comparative Physiology*, **305**: R1215–R1267.
- Budijanto, S., 2013. Study of Preparation Sorghum Flour and Application for Analogues Rice Production. *Jurnal Teknologi Pertanian*, **13**: .
- Budijanto, S., Sadek, N.F., Yuliana, N.D., Prangdimurt, E., dan Priyosoeryanto, B.P., 2016. Potensi Beras Analog sebagai Alternatif Makanan Pokok untuk Mencegah Penyakit (Degeneratif Potency of Rice Analogue as Staple Food Alternative to Prevent Degenerative Diseases). *JURNAL PANGAN*, **25**: 61–70.
- Budijanto, S. dan Yuliana, N.D., 2015. Development of Rice Analog as a Food Diversification Vehicle in Indonesia. *Journal of Developments in Sustainable Agriculture*, **10**: 7–14.
- Butera, P.C., 2010. Estradiol and the control of food intake. *Physiology & Behavior*, **99**: 175–180.
- Deng, J., Wu, X., Bin, S., Li, T.-J., Huang, R., Liu, Z., dkk., 2010. Dietary amylose and amylopectin ratio and resistant starch content affects plasma glucose, lactic acid, hormone levels and protein synthesis in splanchnic tissues. *Journal of Animal Physiology and Animal Nutrition*, **94**: 220–226.
- Eleazu, C.O., Eleazu, K.C., Chukwuma, S., dan Essien, U.N., 2013. Review of the mechanism of cell death resulting from streptozotocin challenge in experimental animals, its practical use and potential risk to humans. *Journal of Diabetes & Metabolic Disorders*, **12**: 60.

- Erwin, Etriwati, Muttaqien, Tri Wahyu Pangestinarsih, dan Sitarina Widayarni, 2016. Ekspresi Insulin Pada Pankreas Mencit (*Mus musculus*) yang Diinduksi dengan Streptozotocin Berulang. *Jurnal Kedokteran Hewan*, .
- Florence, I., 2014. Comparative Evaluation of in vitro Antioxidant Properties of *Cajanus cajan* Seed and *Moringa oleifera* Leaf Extracts. *International Journal of Biochemistry Research & Review*, **4**: 163–172.
- Franciska, C.Y., Tamrin, Sri Waluyo, dan Warji, 2015. Pembuatan dan Uji Karakteristik Fisik Beras Analog dengan Bahan Baku Tepung Cassava yang Diperkaya dengan Protein Ikan Tuna. *Artikel Ilmiah Teknik Pertanian Lampung*, **39**: .
- González, E.L.M., Johansson, S., Wallander, M.-A., dan Rodríguez, L.A.G., 2009. Trends in the prevalence and incidence of diabetes in the UK: 1996–2005. *Journal of Epidemiology & Community Health*, **63**: 332–336.
- Handayani, N.H., 2017. Kajian Karakteristik Beras Analog Berbahan Dasar Tepung dan Pati Ubi Ungu (*Ipomoea batatas*). *Jurnal Aplikasi Teknologi Pangan*, **6**: .
- Hardoko, 2007. Studi Penurunan Glukosa Darah Diabet dengan Konsumsi Rumput Laut *Euchema cottonii*. *Journal of Fisheries Sciences*, **IX (1)**: **116-124**: .
- Hasnelly, D.S., M Supli Effendi, D.S., dan Putri Silvia P, T.P., 2013. 'Kajian Proses Pembuatan dan Karakteristik Beras Analog Ubi Jalar (*Ipomea batatas*)', , dalam: *Seminar Rekayasa Kimia Dan Proses*. Teknik Kimia, Undip, hal. 1–8.
- Hu, F.B., Van Dam, R.M., dan Liu, S., 2001. Diet and risk of type II diabetes: the role of types of fat and carbohydrate. *Diabetologia*, **44**: 805–817.
- Japfa Comfeed, 2015. 'Broiler Starter', . URL: <https://www.japfacomfeed.co.id/id/product-and-services/product-detail/broiler-starterbr-i-crumble> (diakses tanggal 11/7/2018).
- Jeevetha, S., Mohd Yusof Barakatun-Nisak, Hui-Beng Ngan, Amin Ismail, dan Azrina Azlan, 2014. Relationship between Amylose Content and Glycemic Index of Commonly Consumed White Rice. *IOSR Journal of Agriculture and Veterinary Science*, **7**: .
- Kementerian Kesehatan, 2016. 'Kementerian Kesehatan Republik Indonesia', . URL: <http://www.depkes.go.id/article/view/16040700002/menkes-mari-kita-cegah-diabetes-dengan-cerdik.html> (diakses tanggal 6/11/2017).
- Le May, C., Chu, K., Hu, M., Ortega, C.S., Simpson, E.R., Korach, K.S., dkk., 2006. Estrogens protect pancreatic  $\beta$ -cells from apoptosis and prevent insulin-deficient diabetes mellitus in mice. *Proceedings of the National Academy of Sciences*, **103**: 9232–9237.
- Meyerholz, D.K. dan Beck, A.P., 2018. Principles and approaches for reproducible scoring of tissue stains in research. *Springer Nature*, .
- Mirmiran, P., Bahadoran, Z., dan Azizi, F., 2014. Functional foods-based diet as a novel dietary approach for management of type 2 diabetes and its complications: A review. *World Journal of Diabetes*, **5**: 267–281.

- Newsholme, P., Cruzat, V., Arfuso, F., dan Keane, K., 2014. Nutrient regulation of insulin secretion and action. *Journal of Endocrinology*, **221**: R105–R120.
- Noviasari, S., Feri Kusnandar, dan Slamet Budijanto, 2013. Pengembangan Beras Analog dengan Memnfaatkan Jagung Putih. *Jurnal Teknologi Industri Pangan*, **23 no 2**: .
- Noviasari, S., Kusnandar, F., Setiyono, A., dan Budijanto, S., 2015. Beras analog sebagai pangan fungsional dengan indeks glikemik rendah. *Jurnal Gizi dan Pangan*, **10**: .
- Nugroho, A.E., 2006. Animal Models of Diabetes Mellitus: Pathology and Mechanism of Some Diabetogenics. *Biodiversitas, Journal of Biological Diversity*, **7**: 378–382.
- Nwose, E., Onodu, B., Anyasodor, A., Sedowo, M., Okuzor, J., dan Culas, R., 2017. Ethnopharmacological values of cassava and its potential for diabetes and dyslipidaemia management: knowledge survey and critical review of report. *Journal of Intercultural Ethnopharmacology*, **6**: 1.
- Ogbunugafor, gwo-Ezikepe, Igwilo, Salisu T, dan Ezekwesili, 2013. Cajanus cajan : Potentials as Functional Food. *The Bioscientist*, **1(2)** : **119-126**: .
- Patil, M.A., Suryanarayana, P., Putchu, U.K., Srinivas, M., dan Reddy, G.B., 2014. Evaluation of Neonatal Streptozotocin Induced Diabetic Rat Model for the Development of Cataract. *Oxidative Medicine and Cellular Longevity*, **2014**: .
- Röder, P.V., Wu, B., Liu, Y., dan Han, W., 2016. Pancreatic regulation of glucose homeostasis. *Experimental & Molecular Medicine*, **48**: e219.
- Rouf Shah, T., Prasad, K., dan Kumar, P., 2016. Maize - A potential source of human nutrition and health: A review. *Cogent Food & Agriculture*, **2**: .
- Rumiwati, Luqman, Sisca Diani, dan Thira, 2018. Sifat dan Karakteristik Beras Analog Berbahan Baku Mocaf, Jagung, Lebuli dan Rumput Laut dari Lombok Timur.
- Sadek, N.F., 2017. 'Studi Penghambatan Karsinogenesis Kolon Oleh Beras Analog Yang Diperkaya Ester Fitosterol', . Institut Pertanian Bogor.
- Salvador, E., Steenkamp V, dan McCrindle C, 2014. Production, consumption and nutritional value of cassava (*Manihot esculenta*, Crantz) in Mozambique : An overview. *Academic Journals - Journal of Agricultural Biotechnology and Sustainable Development*, **6 (3)**, pp **29-38**: .
- Sani, P.N., 2018. 'Efek Diet Beras Analog Fungsional (Formula 30 dan F31) yang Berbasis Jagung, Mocaf, Kacang Lebuli dan Rumput Laut terhadap Tekanan Darah Tikus Hipertensi Terinduksi Deksametason', . Universitas Gadjah Mada.
- Santollo, J. dan Daniels, D., 2015. Control of fluid intake by estrogens in the female rat: role of the hypothalamus. *Frontiers in Systems Neuroscience*, **9**: .
- Sari, I.P., Lukitaningsih, E., Rumiwati, R., dan Setiawan, I.M., 2013. Glycaemic Index of Uwi, Gadung, and Talas Which Were Given On Rat. *Majalah Obat Tradisional (Traditional Medicine Journal)*, **18**: 127–131.

- Septianingrum, E., Liyanan, L., dan Kusbiantoro, B., 2016. Review Indeks Glikemik Beras: Faktor-faktor yang Mempengaruhi dan Keterkaitannya Terhadap Kesehatan Tubuh. *Jurnal Kesehatan*, **9**: 1–9.
- Sharma, S., Agarwal, N., dan Verma, P., 2011. Pigeon pea ( *Cajanus cajan* L.): A Hidden Treasure of Regime Nutrition. *Journal of Functional And Environmental Botany*, **1**: 91.
- Shaw, J.E., Sicree, R.A., dan Zimmet, P.Z., 2010. Global estimates of the prevalence of diabetes for 2010 and 2030. *Diabetes Research and Clinical Practice*, **87**: 4–14.
- Srikaeo, K. dan Sangkhiaw, J., 2014. Effects of amylose and resistant starch on glycaemic index of rice noodles. *LWT - Food Science and Technology*, **59**: 1129–1135.
- Steyn, N., Mann, J., Bennett, P., Temple, N., Zimmet, P., Tuomilehto, J., dkk., 2004. Diet, nutrition and the prevention of type 2 diabetes. *Public Health Nutrition*, **7**: .
- Sumardiono, S., Isti Pudjihastuti, Agus Riyanto Poerwoprajitno, dan Maylia Selvi Suswadi, 2014. Physicochemical Properties of Analog Rice from Composite Flour Cassva, green bean, hanjeli.pdf. *World Applied Sciences Journal*, **32 (6)** : 1440-1146: .
- Szkudelski, T., 2001. The Mechanism of Alloxan and Streptozotocin Action in B Cells of the Rat Pancreas. *Physiological research*, **50**: 536-546: .
- Tappy, L., 2008. Basics in clinical nutrition: Carbohydrate metabolism. *e-SPEN, the European e-Journal of Clinical Nutrition and Metabolism*, **3**: e192–e195.
- Tian dan Wei, 2010. 'Correlations between blood glucose level and diabetes signs in streptozotocin-induced diabetic mice', *ResearchGate*. URL: [https://www.researchgate.net/publication/286952194\\_Correlations\\_between\\_blood\\_glucose\\_level\\_and\\_diabetes\\_signs\\_in\\_streptozotocin-induced\\_diabetic\\_mice](https://www.researchgate.net/publication/286952194_Correlations_between_blood_glucose_level_and_diabetes_signs_in_streptozotocin-induced_diabetic_mice) (diakses tanggal 25/6/2018).
- Yahya, N.S.W., 2013. 'Indeks glikemik beras analog berbahan baku menir dengan penambahan ekstrak teh hitam', . Institut Pertanian Bogor, Bogor, Indonesia.
- Yuwono, S.S. dan Arrida, A.Z., 2015. Formulasi Beras Analog Berbasis Tepung Mocaf dan Maizena dengan Penambahan CMC dan Tepung Ampas Tahu. *Jurnal Pangan dan Agroindustri*, **3 no 4**: 1465–1472.