

DAFTAR PUSTAKA

- Adams, O.P. 2013. The impact of brief high-intensity exercise on blood glucose levels. *Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy*, vol 6;113–122. Tersedia dalam <
www.ncbi.nlm.nih.gov/pubmed/23467903> [diakses pada 15 Maret 2015]
- Agustinah, R. 2013. *Pengaruh pemberian tepung gembili (Dioscorea esculenta) terhadap total kolesterol dan HDL darah tikus wistar yang diinduksi nikotinamide dan streptozotisin*. Skripsi. Yogyakarta : Universitas Gadjah Mada
- Aller, R., de Luis, DA., Izaola, O., La Calle, F., del Olmo, L., Fernandez, L., Arranz, T., dan Hernandez, J.M.G. 2004. Effect of soluble fiber intake in lipid and glucose levels in healthy subjects: a randomized clinical trial. *Diabetes Research and Clinical Practice*, vol 65; 7-11. Tersedia dalam www.sciencedirect.com [diakses pada 12 Maret 2015]
- Arisman. 2007. *Buku ajar ilmu gizi: Gizi dalam daur kehidupan*. Jakarta : EGC
- Boren, J., Taskinen, M.R., Olofsson, S.O., dan Levin, M. 2013. Ectopic Lipid Storage and Insulin Resistance: A Harmful Relationship. *Journal of Internal Medicine*, vol 274; 25-40.
- Bray, G.A. dan Gray, D.S. 1988. Obesity: Pathogenesis. *West J Med*, vol 149;429-441.
- Cani, P.D., Lecourt, E., Dewulf, E.M., Sohet, F.M., Pachikian, B.D., Naslain, D., De Backer, F., Neyrick, A.M., dan Delzenne, N.M. 2009. Gut microbiota fermentation of prebiotics increases statinogenic and incretin gut peptide production with consequences for appetite sensation and glucose response after meal[internet]. *American Journal of Clinical Nutrition*, vol 90; 1236-43. Tersedia dalam <ajcn.nutrition.org>[diakses pada 14 Juni 2014]
- Caprita, A. dan Caprita,R. 2011. The effect of thermal processing on soluble dietary fibre fraction in wheat. *Journal of Food, Agriculture & Environment* Vol.9;14-15. Tersedia dalam www.world-food.net [diakses pada 24 Maret 2015]
- Caprita, A., Caprita, R., Simulescu, V.O., Drehe, R.M. 2011. The Effect of Temperature on Soluble Dietary Fiber Fraction in Cereals. *Journal of*

- Agroalimentary Processes and Technologies* vol. 17; 214-217. Tersedia dalam <http://journal-of-agroalimentary.ro> [diakses pada 24 Maret 2015]
- Cox, KL., Burke, V., Morton, AR., Beilin, LJ., dan Puddey, IB. 2004. Independent and additive effects of energy restriction and exercise on glucose and insulin concentrations in sedentary overweight men. *Am J Clin Nutr* vol;80:308 –16. Tersedia dalam < <http://ajcn.nutrition.org/content/80/2/308.full.pdf+html?sid=94314af7-8adb-4dd7-ac89-e427189cbe43>> [Diakses pada 6 April 2015]
- Faerch, K., Borch-Jensen, K., Vaag, A., Jorgensen, T., dan Witte, D.R. 2010. Sex differences in glucose levels: a consequence of physiology or methodological convenience? The Inter99 study. *Diabetologi*, vol 53; 858-865. Tersedia dalam < <http://link.springer.com/article/10.1007%2Fs00125-010-1673-4>> [diakses pada 18 Maret 2015]
- Gargari, BP., Dehghan, P., Aliasgharzadeh, A., dan Jafar-Abadi, M.A. Effects of High Performance Inulin Supplementation on Glycemic Control and Antioxidant Status in Women with Type 2 Diabetes. *Diabetes Metabolism Journal*, vol 37;140-148. Tersedia dalam < www.ncbi.nlm.nih.gov/pubmed/23641355> [diakses pada 26 Maret 2014]
- Giugliano, D., Ceriello, A., dan Esposito, K. 2008. Glucose Metabolism and Hyperglycemia. *American Journal of Clinical Nutrition*, vol 87;217-222. Tersedia dalam < ajcn.nutrition.org> [diakses pada 23 Juni 2014]
- Granell, R.A. 2006. The Physiologic Effect of Incretin Hormones.[internet] *John Hopkins Advanced Studies in Medicine*, Vol. 6(7A); 581-585. Tersedia dalam www.jhasim.com [diakses pada 17 September 2014]
- Harijono, Estiasih, T., dan Sunarharum, WB. 2011. *Pengembangan produk pangan mengandung polisakarida gandum dan gembili untuk penderita gembili*. Laporan Hasil Penelitian. Malang: Universitas Brawijaya
- Herlina, Harijono, Subagio, A. dan Estiasih, T. 2013. Potensi hipolipidemik polisakarida larut air umbi gembili (*Dioscorea esculenta*) pada tikus hiperlipidemia. *Agritech* vol. 33;8-15.
- Hsing, W.A., Sakoda, L.C., dan Chua, S.C. 2007. Obesity, Metabolic Syndrome, and Prostate Cancer. [internet] *American Journal of Clinical Nutrition*. tersedia

dalam <<http://ajcn.nutrition.org/content/86/3/843S.full.pdf+html?sid=c7f030eb-db40-4f22-af01-9887c468bf53>> [diakses pada 15 Juni 2014]

Indraswari, Noormarina (2012). *Hubungan asupan serat dan antioksidan dengan kejadian sindrom metabolic pada peserta GMC Health Center*. Skripsi. Yogyakarta : Universitas Gadjah Mada.

International Diabetes Federation. 2009. *IDF Diabetes Atlas: Fourth Edition*[internet]. Tersedia dalam <<http://www.idf.org/diabetesatlas/download-book>> [diakses pada 7 Juni 2014]

International Diabetes Federation. 2013. *Diabetes Atlas: Sixth edition*.

Jensen, M.G., Kristensen, M., dan Astrup, A. 2012. Effect of alginate supplementation on weight loss in obese subject completing a 12-wk energy-restricted diet: a randomized controlled trial [internet]. *American Journal of Clinical Nutrition* vol 96;5-13. Tersedia dalam <ajcn.nutrition.org > [diakses pada 14 Juni 2014]

Karhunen, L.J., Juvonen, K.R., Flander, SM., Liukkonen, K.H., Lahteenmaki, L., Siloaho, M., Laksonen, D.E., Herzig, K.H., Uusituupa, M.I., dan Pautanen, K.S. 2010. A Psyllium Fiber-Enriched Meal Strongly Attenuates Postprandial Gastrointestinal Peptide Release in Healthy Young Adults. *The Journal of Nutrition*, vol 140;737-744. Tersedia dalam < <http://jn.nutrition.org/content/140/4/737.full.pdf+html> > [diakses pada 24 Maret 2015]

Karra, E., Chandarana, K. dan Batterham, R.L. 2009. The Role of Peptide YY in Appetite Regulation and Obesity.[internet] Symposium Report. *The Journal of Physiology*, vol. 587.1;19-25. Tersedia dalam <jp.physoc.org> [diakses pada 18 September 2014]

Kemenkes. 2013. *Laporan Hasil Riset Kesehatan Dasar 2013*. Badan Penelitian dan Pengembangan Kementerian Kesehatan RI.

Kjems, L.L., Holst, J.J., Volund, A. dan Madsbad, S. 2003. The Influence of GLP-1 on Glucose Stimulated Insulin Secretion: Effect on β -cell Sensitivity in Type 2 and Nondiabetic Subjects. *Diabetes*, vol 52 ; 380-386

Klover, P.J., et al.. 2003. Chronic Exposure to Interleukin-6 Causes Hepatic Insulin Resistance in Mice. *Diabetes*, vol 52;2784-2789

- Kolida, S., Tuohy, K. dan Gibson, G.R. 2002. Prebiotic Effect of Inulin and Oligofructose. [internet] *British Journal of Nutrition*, vol. 87;193-197. Tersedia dalam < <http://journals.cambridge.org/> > [diakses pada 19 September 2014]
- Kyrou, I. dan Kumar, S. 2010. Weight Management in Overweight and Obese Patient With Type 2 Diabetes Mellitus. [internet] *British Journal and Vascular Disease*, vol 10;274-283. Tersedia dalam www.medscape.com [diakses pada 11 September 2014]
- Leahy, J.L. 2008. *Type 2 Diabetes Mellitus An Evidence Based Approach to Practical Management : Pathogenesis of Type 2 Diabetes Melitus*. Tottowa : Humana Press
- Lebovitz, H.E. 2001. Insulin Resistance : Definition and Consequences.[internet] *Clinical Endocrinol Diabetes*, vol 109;135-148. Tersedia dalam <https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-2001-18576> [diakses pada 11 September 2014].
- Lettimer, J.M. dan Haub, M.D. 2010. Effects of Dietary Fiber and Its Components on Metabolic Health. *Nutrients*, vol 2; 1266-1289. Tersedia dalam < www.mdpi.com/journal/nutrients > [diakses pada 25 Januari 2015]
- Macfarlan, S. dan Macfarlan, G.T. 2003. Regulation of Short-Chain Fatty Acid Production. *Proceeding of The Nutrition Society*, vol. 62;67-72. Tersedia dalam < www.ncbi.nlm.nih.gov/pubmed/12740060 > [diakses pada 19 September 2014]
- Macotella, B., Boucher, J., Tran, TT., dan Kahn, R. 2009. Sex and Depot Differences in Adipocyte Insulin Sensitivity and Glucose Metabolism. *Diabetes*, vol 58;803-812. Tersedia dalam < <http://diabetes.diabetesjournals.org/content/58/4/803.full.pdf+html> > [diakses pada 18 Maret 2015]
- Mahan, L.K dan Stump, S.E. 2008. *Krause's food and nutrition therapy: 12th International edition*. Missouri : Sanders Elsevier.
- Malandrucco, I., Pasqualetti, P., Giordani, I., Manfellotto, D., De Marco, F., Alegiani, F., Sidoti, AM., Picconi, F., Di Flaviani, A., Frajese, G., Bonadonna, RC., dan Frontoni, S. 2012. Very-low-calorie diet: a quick therapeutic tool to improve cell function in morbidly obese patients with type 2 diabetes. *Am J Clin Nutr* 2012;95:609–13. Tersedia dalam <

<http://ajcn.nutrition.org/content/95/3/609.full.pdf+html?sid=65574c5d-8fdb-4c8a-b9a8-6f48d8378bf3> [diakses pada 6 April 2015]

Malnick, S.D.H. dan Knobler, H. The Medical Complications of Obesity. *Q.J. Medical*, vol 99; 565-579. Tersedia dalam <qjmed.oxfordjournal.org> [diakses pada 6 September 2014]

Manikam, N.R.M dan Sayogo, S. 2011. Fruktooligosakarida and its Effect on Glucagon-like Peptide-1 Hormone in People with Type 2 Diabetes Mellitus. *Majalah Kedokteran Indonesia*, vol 61;87-91.

Mansour, A., Hosseini, S., Larijani, B., Pajouhi, M., dan Mohajeri-Tehrani, M.R. 2013. Nutrition related to GLP-1 secretory responses. *Elsevier, nutrition* vol.29;813-820.

Marsono, Y. 1998. *Perubahan Kadar Resistant Starch (RS) dan Komposisi Kimia Beberapa Bahan Pangan Kaya Karbohidrat dalam Pengolahan*. Dalam :Setiawan, T.A. 2013. *Pengaruh Pemberian Tepung Gembili (*Dioscorea esculenta*) Terhadap Glukosa Darah Tikus Wistar yang Diinduksi Nikotinamide dan Streptozotosin*. Skripsi. Yogyakarta: Universitas Gadjah Mada

Mathern, JR., Raatz SK., Thomas, W. dan Slavin JL. 2009. Effect of fenugreek fiber on satiety, blood glucose and insulin response and energy intake in obese subjects. *Phytotherapy Research* vol 23; 1543-1548. Tersedia dalam < <http://onlinelibrary.wiley.com/doi/10.1002/ptr.2795/pdf>> [diakses pada 24 Maret 2015].

Meloni, A.R., DeYoung, M.B., Lowe, C. dan Parkes, D.G. 2012. GLP-1 Receptor Activated Insulin Secretion from Pancreatic β -cell: Mechanism and Glucose Dependence. *Diabetes, Obesity and Metabolism*, vol 15; 15-27.

Murray, R.K., Bender, DA., Botham, KM., Kennelly, PJ. Rodwell, VW. Dan Weil, A. 2009. *Harper's illustrated biochemistry; 28th edition*. Lange : New York.

Pan, X. Chen, F., Wu, T., Tang, H. dan Zhao, Z. 2009. Prebiotic Oligosaccharides Change the Concentrations of Short-chain Fatty Acids and The Microbial Population of Mouse Bowel. *Journal of Zhejiang University Science B*, vol. 10; 258-263. Tersedia dalam < <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2666202/>> [diakses pada 19 September 2014]

- Parlindungan, F. 2012. *GLP-1 Agonis dalam Penatalaksanaan DM tipe 2*. [internet] Review artikel. Medan : Universitas Sumatera Utara
- Perkumpulan Endokrinologi Indonesia. 2011. *Konsensus Pengelolaan dan Pencegahan Diabetes Mellitus Tipe 2 Di Indonesia 2011*.
- Porth, C.M. 2012. *Essentials of Pathophysiology Concepts of Altered Health States 2nd Edition*. Lippincott Williams and Wilkins.
- Prabowo, A.Y., Estiasih, T., Purwantiningrum, I. 2014. Umbi gembili (*Dioscorea esculenta*) sebagai bahan pangan mengandung senyawa bioaktif: kajian pustaka. *Jurnal Pangan dan Agroindustri*, vol 2;129-135. Tersedia dalam <jpa.ub.ac.id/index.php/jpa/article/view/60> [diakses pada 3 Januari 2015]
- Prameswari, RD.dan Estiasih, T. 2013. *Pemanfaatan tepung gembili (Dioscorea esculenta) dalam pembuatan cookies*. *Jurnal Pangan dan Agroindustri*, vol 1;115-128. Tersedia dalam <jpa.ub.ac.id/index.php/jpa/article/view/11> [diakses pada 1 Juni 2014]
- Psichas, A., Sleeth, M.L., Murphy, K.G., Brooks, L., Bewick, G.A., Hanyaloglu, A.C., Ghatei, M.A., Bloom, S.R. dan Frost, G. 2014. The Short Chain Fatty Acid Propionat Stimulates GLP-1 and PYY Secretion via Free Fatty Acid Receptor 2 in Rodents.[internet] *International Journal of Obesity*, online publication;1-6. Tersedia dalam <<http://www.nature.com/ijo/journal/vaop/ncurrent/full/ijo2014153a.html>> [diakses pada 19 September 2014]
- Roberfroid, M.B., Van Loo, JAE., Gibson, G.R. 1998. *The Bifidogenic Nature of Chicory Inulin and Its Hydrolysis Products*. Dalam: Manikam, N.R.M dan Sayogo, S. 2011. Fruktooligosakarida and its Effect on Glucagon-like Peptide-1 Hormone in People with Type 2 Diabetes Mellitus. *Majalah Kedokteran Indonesia*, vol 61;87-91.
- Samuel, VT dan Shulman, GL. 2012. Mechanisms for insulin resistance : common threads and missing links. *Cell Elsevier* vol.148;852-871.
- Setiawan, T.A. 2013. *Pengaruh Pemberian Tepung Gembili (Dioscorea esculenta) Terhadap Glukosa Darah Tikus Wistar yang Diinduksi Nikotinamide dan Streptozotisin*. Skripsi. Yogyakarta : Universitas Gadjah Mada.
- Shoelson, S.E. Herrero, P., dan Naaz, A. 2007. Obesity, Inflammation, and Insulin Resistance. *Gastroenterology*, vol 132; 2169-2180

- Tolhurst, G., Heffron, H., Lam, Y.S., Parker, H.E., Habib, A.M., Diakogiannaki, E., Cammeron, J., Grossem, J., Reimann, F. dan Gribble, F.M. 2012. Short-chain fatty acids stimulate Glucagon-like peptide-1 secretion via the G-protein-coupled receptor FFAR2. *Diabetes Journal*, vol,61;364-367.
- Vilsbøll, T. 2012. Effect of Glucagon Like Peptide-1 Receptor Agonists on Weight Loss: Systematic Review and Meta Analysis of Randomised Controlled Trials. *BMJ*, vol. 344;d7771. Tersedia dalam <<http://www.bmj.com/content/344/bmj.d7771> > [diakses pada 19 September 2014]
- Weickert, M.O. dan Pfeiffer, A.F.H. 2008. Metabolic Effects of Dietary Fiber Consumption and Prevention of Diabetes. *The Journal of Nutrition*, vol 128;439-442. Tersedia dalam <www.ncbi.nlm.nih.gov/pubmed/18287346> [diakses pada 7 November 2014]
- WHO expert consultation. 2004. *Appropriate body-mass index for Asian populations and its implications for policy and intervention strategies*. The Lancet, vol 363;157-163. Tersedia dalam <www.who.int/nutrition/.../bmi_asia_strategies.pdf> [diakses pada 23 Juni 2014]
- WHO. 2006. *Definition and Diagnosis of Diabetes Mellitus and Intermediate Hyperglycaemia : Report of WHO/IDF Consultation*.
- Willis, H.J., Thomas, W., Eldrige, AL., Harkness, L. Green, H. Slavin, JL. 2010. Glucose and insulin do not decrease in a dose-dependent manner after increasing doses of mixed fibers that are consumed in muffins for breakfast. *Nutrition Research*, Vol 31;42-47. Tersedia dalam <www.sciencedirect.com> [diakses pada 12 Maret 2015]
- Winarti, S., Harmayan, E. dan Nurismanto, R. 2011. Karakteristik dan Profil Inulin Beberapa Jenis Uwi (*Dioscorea* spp). *Agritech*, vol 31; 378-383. Tersedia dalam <http://www.jurnal-agritech.tp.ugm.ac.id> [diakses pada 6 September 2014]