

DAFTAR PUSTAKA

- Abdelaal, M., Roux, C. W. and Docherty, N. G. (2017) 'Morbidity and mortality associated with obesity', *Annals of Translational Medicine*, 5(4), pp. 1–12. doi: 10.21037/atm.2017.03.107.
- Acharya, S. *et al.* (2009) 'Adherence to a behavioral weight loss treatment program enhances weight loss and improvements in biomarkers', *Patient Preferences and Adherence*, 3(June 2014), pp. 151–160. doi: 10.2147/PPA.S5802.
- Afridi, A. K. and Khan, A. (2014) 'Prevalence and etiology of obesity - an overview', *Pakistan Journal of Nutrition*, 3(April 2003), pp. 14–25. doi: 10.1093/ptj/83.3.276.
- Agbaga, M., Mandal, N. A. and Anderson, R. E. (2010) 'Retinal very long-chain PUFAs: new insights from studies on ELOVL4 protein', *Journal of Lipid Research*, 51, pp. 1624–1642. doi: 10.1194/jlr.R005025.
- Alonso-Sande, M. *et al.* (2009) 'Glucomanan, a promising polysaccharide for biopharmaceutical purposes', *European Journal of Pharmaceutics and Biopharmaceutics*. Elsevier B.V., 72(2), pp. 453–462. doi: 10.1016/j.ejpb.2008.02.005.
- Antono, L. *et al.* (2016) 'Inulin-Enriched Low Fat Milk Improved Lipid Profile in Indonesian Hypercholesterolemic Adults', *International Proceedings of Chemical, Biological and Environmental Engineering*, 95, pp. 19–25. doi: 10.7763/ipcbee.2016.v95.4.
- Arroyo, M. *et al.* (2004) 'Comparison of predicted body fat percentage from anthropometric methods and from impedance in university students', *British Journal of Nutrition*, 92(December). doi: 10.1079/BJN20041273.
- Aucouturier, J. *et al.* (2009) 'Effect of Android to Gynoid Fat Ratio on Insulin Resistance in Obese Youth', *Archives of Pediatrics and Adolescent Medicine*, 163(9), pp. 826–831.
- Baker, J. S., McCormick, M. C. and Robergs, R. A. (2010) 'Interaction among Skeletal Muscle Metabolic Energy Systems during Intense Exercise', *Journal of Nutrition and Metabolism*, (June 2014). doi: 10.1155/2010/905612.
- Barnes, T. *et al.* (2015) 'Snacking Behaviors, Diet Quality, and Body Mass Index in a Community Sample of Working Adults', *Journal of the Academy of Nutrition and Dietetics*. Elsevier Inc, 115(7), pp. 1117–1123. doi: 10.1016/j.jand.2015.01.009.
- Behera, S. S. and Ray, R. C. (2016) 'Konjac Glucomanan, a Promising Polysaccharide of *Amorphophallus konjac* K. Koch in Health Care', *International Journal of Biological Macromolecules*. Elsevier B.V., 92(July), pp. 942–956. doi: 10.1016/j.ijbiomac.2016.07.098.
- Benelam, B. (2009) 'Satiety, satiety and their effects on eating behaviour'. British Nutrition Foundation.
- Birketvedt, G. S. *et al.* (2005) 'Experiences with three different fiber supplements in weight reduction', *Medical Science Monitor*, 11(1), pp. 5–9.

- Buono, M. Di *et al.* (1999) 'Weight Loss Due to Energy Restriction Suppresses Cholesterol Biosynthesis in Overweight, Mildly Hypercholesterolemic Men', *Human Nutrition and Metabolism*, 129(April), pp. 1545–1548.
- Cani, P. D. *et al.* (2009) 'Gut microbiota fermentation of prebiotics increases satietogenic and incretin gut peptide production with consequences for appetite sensation and glucose response after a meal', *American Journal of Clinical Nutrition*, 90(5), pp. 1236–1243. doi: 10.3945/ajcn.2009.28095.
- Chin, Y. X. *et al.* (2019) 'A pilot study on anti-obesity mechanisms of kappaphycus alvarezii: The role of native κ -carrageenan and the leftover sans-carrageenan fraction', *Nutrients*, 11(5). doi: 10.3390/nu11051133.
- Craig, C. L. *et al.* (2003) 'International physical activity questionnaire: 12-Country reliability and validity', *Medicine and Science in Sports and Exercise*, 35(8), pp. 1381–1395. doi: 10.1249/01.MSS.0000078924.61453.FB.
- Davidson, M. H. and Maki, K. C. (1999) 'Effects of Dietary Inulin on Serum Lipids', *The Journal of Nutrition*, 129(7), pp. 1474S-1477S. doi: 10.1093/jn/129.7.1474s.
- Delzenne, N. M. *et al.* (2019) 'Impact of inulin and oligofructose on gastrointestinal peptides', *British Journal of Nutrition*, 93(2005), pp. 157–161. doi: 10.1079/BJN20041342.
- Delzenne, N. M. and Kok, N. (2001) 'Effects of fructans-type prebiotics on lipid metabolism', *American Journal of Clinical Nutrition*, 73, pp. 456–458.
- Deurenberg, P. and Guricci, S. (2002) 'Asians are different from Caucasians and from each other in their body mass index / body fat per cent', *The International Association for the Study of Obesity*, 3(6), pp. 141–146.
- Dreher, M. L. (2015) 'Role of Fiber and Healthy Dietary Patterns in Body Weight Regulation and Weight Loss', *Advances in Obesity, Weight Management & Control*, 3(5). doi: 10.15406/aowmc.2015.03.00068.
- Feingold, K. R. and Grunfeld, C. (2018) 'Introduction to Lipids and Lipoproteins'. Endotext: Comprehensive Free Online Endocrinology Book. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK305896/>.
- Finer, N. (2001) 'Low-Calorie Diets and Sustained Weight Loss', *Obesity research*, 9, pp. 290–294.
- Flint, A. *et al.* (2000) 'Reproducibility, power and validity of visual analogue scales in assessment of appetite sensations in single test meal studies', *International Journal of Obesity*, 24(July 1999), pp. 38–48.
- Fock, K. M. and Khoo, J. (2013) 'Diet and exercise in management of obesity and overweight', *Journal of Gastroenterology and Hepatology*, 28, pp. 59–63. doi: 10.1111/jgh.12407.
- Forslund, B. *et al.* (2005) 'Snacking frequency in relation to energy intake and food choices in obese men and women compared to a reference population', *International Journal of Obesity*, 29, pp. 711–719. doi: 10.1038/sj.ijo.0802950.
- Gallagher, D. *et al.* (2000) 'Healthy percentage body fat ranges: an approach for developing guidelines based on body mass index', *American Journal of Clinical Nutrition*, 72, pp. 694–701.
- Gomez-cabrera, M. C. (2013) 'Overweight, Obesity, and All-Cause Mortality',

- Journal of American Medical Association*, 309(December 2015), pp. 71–82.
doi: 10.1001/jama.2013.3080.
- Graaf, C. de (2006) ‘Effects of snacks on energy intake: An evolutionary perspective’, *Appetite*, 47, pp. 18–23. doi: 10.1016/j.appet.2006.02.007.
- Grundey, S. M. *et al.* (2004) ‘Clinical Management of Metabolic Syndrome. Report of the American Heart Association/National Heart, Lung, and Blood Institute/American Diabetes Association Conference on Scientific Issues Related to Management’, in *AHA/NHLBI/ADA Conference Proceedings*, pp. 551–556. doi: 10.1161/01.CIR.0000112379.88385.67.
- Guess, N. D. *et al.* (2015) ‘A randomized controlled trial: The effect of inulin on weight management and ectopic fat in subjects with prediabetes’, *Nutrition and Metabolism*. *Nutrition & Metabolism*, 12(1), pp. 1–10. doi: 10.1186/s12986-015-0033-2.
- Guo, Z. *et al.* (2012) ‘Effects of inulin on the plasma lipid profile of normolipidemic and hyperlipidemic subjects: A meta-analysis of randomized controlled trials’, *Clinical Lipidology*, 7(2), pp. 215–222. doi: 10.2217/clp.12.8.
- Harmayani, E., Aprilia, V. and Marsono, Y. (2014) ‘Characterization of glucomannan from *Amorphophallus oncophyllus* and its prebiotic activity in vivo’, *Carbohydrate Polymers*. Elsevier Ltd., 112, pp. 475–479. doi: 10.1016/j.carbpol.2014.06.019.
- Hiel, S. *et al.* (2019) ‘Effects of a diet based on inulin-rich vegetables on gut health and nutritional behavior in healthy humans’, *American Journal of Clinical Nutrition*. Oxford University Press, 109(6), pp. 1683–1695. doi: 10.1093/ajcn/nqz001.
- Jo, J. *et al.* (2009) ‘Hypertrophy and/ or Hyperplasia : Dynamics of Adipose Tissue Growth’, *PLOS Computational Biology*, 5(3). doi: 10.1371/journal.pcbi.1000324.
- Kaats, G. R., Bagchi, D. and Preuss, H. G. (2015) ‘Konjac Glucomannan Dietary Supplementation Causes Significant Fat Loss in Konjac Glucomannan Dietary Supplementation Causes Significant Fat Loss in Compliant Overweight Adults’, (October). doi: 10.1080/07315724.2015.1009194.
- Kacinik, V. *et al.* (2011) ‘Effect of PGX , a novel functional fibre supplement , on subjective ratings of appetite in overweight and obese women consuming a 3-day structured , low-calorie diet’, *Nutrition and Diabetes*. Nature Publishing Group, 1(12), pp. e22-9. doi: 10.1038/nutd.2011.18.
- Kasno, A. (2008) ‘Iles-Iles Umbi-Umbian Potensial Sebagai Tabungan Tahunan’, *Buletin Palawija*, 20(15), pp. 15–20.
- Kasubuchi, M. *et al.* (2015) ‘Dietary gut microbial metabolites, short-chain fatty acids, and host metabolic regulation’, *Nutrients*, 7(4), pp. 2839–2849. doi: 10.3390/nu7042839.
- Keithley, J. K. *et al.* (2013) ‘Safety and Efficacy of Glucomannan for Weight Loss in Overweight and Moderately Obese Adults’, 2013.
- Kemenkes (2014) *Buku Foto Makanan*.
- Kemenkes (2018) *Hasil Utama Riskesdas 2018*.
- Kumar, M. *et al.* (2012) ‘Cholesterol-lowering probiotics as potential biotherapeutics for metabolic diseases’, *Experimental Diabetes Research*,

- 2012(April 2018). doi: 10.1155/2012/902917.
- Lenz, M., Richter, T. and Muhlhauser, I. (2009) 'The Morbidity and Mortality Associated With Overweight and Obesity in Adulthood', *Deutsches Arzteblatt International*, 106(40), pp. 641–8. doi: 10.3238/arztebl.2009.0641.
- Livesey, G. (2005) 'Low-glycaemic diets and health: implications for obesity', in *Proceedings of the Nutrition Society*, pp. 105–113. doi: 10.1079/PNS2004400.
- da Luz, F. Q. *et al.* (2018) 'Obesity with comorbid eating disorders: Associated health risks and treatment approaches', *Nutrients*, 10(7), pp. 1–9. doi: 10.3390/nu10070829.
- Lyon, M. R. and Kacinik, V. (2012) 'Is There a Place for Dietary Fiber Supplements in Weight Management?', *Current Obesity Reports*, 1(2), pp. 59–67. doi: 10.1007/s13679-012-0016-9.
- Lyon, M. R. and Reichert, R. G. (2010) 'The Effect of a Novel Viscous Polysaccharide along with Lifestyle Changes on Short-Term Weight Loss and Associated Risk Factors in Overweight and Obese Adults: An Observational Retrospective Clinical Program Analysis', *Alternative Medicine Review*, 15(1), pp. 68–75.
- Ma, H. and Shieh, K. (2006) 'Cholesterol and Human Health', *The Journal of American Science*, 2(1), pp. 46–50.
- Martin, C. K. *et al.* (2014) 'Measuring food intake with digital photography', *Journal of Human Nutrition and Dietetics*, 27(SUPPL.1), pp. 72–81. doi: 10.1111/jhn.12014.
- McClung, H. L. *et al.* (2017) 'Digital food photography technology improves efficiency and feasibility of dietary intake assessments in large populations eating ad libitum in collective dining facilities', *Appetite*. Elsevier Ltd, 116, pp. 389–394. doi: 10.1016/j.appet.2017.05.025.
- Mensink, M. A. *et al.* (2015) 'Inulin, a flexible oligosaccharide I: Review of its physicochemical characteristics', *Carbohydrate Polymers*. Elsevier Ltd., 130, pp. 405–419. doi: 10.1016/j.carbpol.2015.05.026.
- Myant, N. B. (1973) 'Cholesterol metabolism', *Journal of Clinical Pathology*, 26, pp. 1–4.
- Necas, J. and Bartosikova, L. (2013) 'Carrageenan: a review', *Veterinarni Medicina*, 2013(4), pp. 187–205.
- Nestel, P. J., Schreiber, P. H. and Jr, E. H. A. (1973) 'Cholesterol Metabolism in Human Obesity', *The Journal of Clinical Investigation*, 52(10), pp. 2389–2397.
- Nicolucci, A. C. *et al.* (2017) 'Prebiotics Reduce Body Fat and Alter Intestinal Microbiota in Children Who Are Overweight or With Obesity', *Gastroenterology*. Elsevier, Inc, 153(3), pp. 711–722. doi: 10.1053/j.gastro.2017.05.055.
- Njike, V. Y. *et al.* (2017) 'Snacking, Satiety, and Weight: A Randomized, Controlled Trial', *American Journal of Health Promotion*, 31(4), pp. 296–301. doi: 10.4278/ajhp.150120-QUAN-676.
- Noor, H. M. (2018) 'Potential of Carrageenans in Foods and Medical Applications

- Potential of carrageenans in foods and medical applications’, *Global Health Management Journal*, 2(July), pp. 32–36. doi: 10.35898/ghmj-22188.
- OECD (2017) *Obesity Update 2017*.
- Oku, T. and Nakamura, S. (2014) ‘Evaluation of the relative available energy of several dietary fiber preparations using breath hydrogen evolution in healthy humans’, *Journal of Nutritional Science and Vitaminology*, 60(4), pp. 246–254. doi: 10.3177/jnsv.60.246.
- Oussaada, S. M. *et al.* (2019) ‘The pathogenesis of obesity’, *Metabolism*. Elsevier Inc., 92, pp. 26–36. doi: 10.1016/j.metabol.2018.12.012.
- Pal, S. *et al.* (2016) ‘Effect on body weight and composition in overweight / obese Australian adults over 12 months consumption of two different types of fibre supplementation in a randomized trial’, *Nutrition & Metabolism*. Nutrition & Metabolism, pp. 1–10. doi: 10.1186/s12986-016-0141-7.
- Parnell, J. A. and Reimer, R. A. (2009) ‘Weight loss during oligofructose supplementation is associated with decreased ghrelin and increased peptide YY in overweight and obese adults’, *American Journal of Clinical Nutrition*, 89(6), pp. 1751–1759. doi: 10.3945/ajcn.2009.27465.
- Pasiakos, S. M. *et al.* (2013) ‘Effects of high-protein diets on fat-free mass and muscle protein synthesis following weight loss: A randomized controlled trial’, *FASEB Journal*, 27(9), pp. 3837–3847. doi: 10.1096/fj.13-230227.
- Patidar, O. P. (2013) ‘Higher Prevalence Rate of CHD in “Apple Type of Obesity” Cases as Compared to “Pear Type Obesity” Cases’, *Indian Journal of Clinical Practice*, 23(12), pp. 791–794.
- Pedersen, A., Sandström, B. and Van Amelsvoort, J. M. M. (1997) ‘The effect of ingestion of inulin on blood lipids and gastrointestinal symptoms in healthy females’, *British Journal of Nutrition*, 78(2), pp. 215–222. doi: 10.1079/bjn19970141.
- Perdinan, A., Wahyuni, H. I. and Suthama, N. (2019) ‘Body resistance and growth performance of broiler fed glucomannan extracted from *Amorphophallus onchophyllus* tuber’, *Tropical Animal Science Journal*, 42(1), pp. 33–38. doi: 10.5398/tasj.2019.42.1.33.
- Peshev, D. and Van den Ende, W. (2014) ‘Fructans: Prebiotics and immunomodulators’, *Journal of Functional Foods*. Elsevier Ltd, 8(1), pp. 348–357. doi: 10.1016/j.jff.2014.04.005.
- Pesta, D. H. and Samuel, V. T. (2014) ‘A high-protein diet for reducing body fat: Mechanisms and possible caveats’, *Nutrition and Metabolism*, 11(1), pp. 1–8. doi: 10.1186/1743-7075-11-53.
- Piehowski, K. E. *et al.* (2011) ‘A Reduced-Calorie Dietary Pattern Including a Daily Sweet Snack Promotes Body Weight Reduction and Body Composition Improvements in Premenopausal Women Who Are Overweight and Obese: A Pilot Study’, *American Dietetic Association*. Elsevier Inc., 111(8), pp. 1198–1203. doi: 10.1016/j.jada.2011.05.013.
- dos Reis, S. A. *et al.* (2015) ‘Mechanisms used by inulin-type fructans to improve the lipid profile’, *Nutricion Hospitalaria*, 31(2), pp. 528–534. doi: 10.3305/nh.2015.31.2.7706.
- Romieu, I. *et al.* (2017) ‘Energy balance and obesity : what are the main drivers ?’,

- Cancer Causes & Control*. Springer International Publishing, 28(3), pp. 247–258. doi: 10.1007/s10552-017-0869-z.
- Sanchez, C. *et al.* (2018) ‘Inulin Effect on Weight Loss and Associated Parameters with the Development of Cardiovascular Disease in Obese Dyslipidemic Subjects’, *Austin Journal of Nutrition & Metabolism*, 4(March 2017), pp. 0–5.
- Serra-majem, L. and Bautista-castaño, I. (2013) ‘Etiology of obesity: two “key issues” and other emerging factors’, *Nutricion Hospitalaria*, 28(March 2015), pp. 32–43. doi: 10.3305/nh.2013.28.sup5.6916.
- Shoaib, M. *et al.* (2016) ‘Inulin: properties, health benefits and food applications’, *Carbohydrate Polymers*. Elsevier Ltd., 147(April), pp. 444–454. doi: 10.1016/j.carbpol.2016.04.020.
- Sievenpiper, J. L. *et al.* (2018) ‘Nutrition Therapy: Diabetes Canada Clinical Practice Guidelines Expert Committee’, *Canadian Journal of Diabetes*, 42, pp. 64–79.
- Sokolova, E. V. *et al.* (2014) ‘Effect of carrageenan food supplement on patients with cardiovascular disease results in normalization of lipid profile and moderate modulation of immunity system markers’, *PharmaNutrition*. Elsevier Ltd., 2(2), pp. 33–37. doi: 10.1016/j.phanu.2014.02.001.
- Strychar, I. (2006) ‘Review Diet in the Management of Weight Loss’, *Canadian Medical Association Journal*, 174(January).
- Sun, Y. *et al.* (2019) ‘In vitro fermentation of κ -carrageenan oligosaccharides by human gut microbiota and its inflammatory effect on HT29 cells’, *Journal of Functional Foods*, 59(February), pp. 80–91. doi: 10.1016/j.jff.2019.05.036.
- Swinburn, B. *et al.* (1999) ‘Body Size and Composition In Polynesians International’, *International Journal of Obesity*, 23(December 1999), pp. 1178–1183. doi: 10.1038/sj.ijo.0801053.
- Swinburn, B. A. *et al.* (2004) ‘Diet, nutrition and the prevention of excess weight gain and obesity’, *Public Health Nutrition*, 7, pp. 123–146. doi: 10.1079/PHN2003585.
- Sy, J. (2008) *A model of cholesterol metabolism and transport*.
- Toomey, C., Hughes, K. and Norton, C. (2015) ‘A Review of Body Composition Measurement in the Toomey, C., Hughes, K. and Norton, C. (2015) “A Review of Body Composition Measurement in the Assessment of Health”, *Top Clin Nutr*, 30(March 2018), pp. 16–32. doi: 10.1097/TIN.000000000000017. Assessment of ’, *Top Clin Nutr*, 30(March 2018), pp. 16–32. doi: 10.1097/TIN.000000000000017.
- Vuksan, V. *et al.* (2000) ‘Beneficial Effects of Viscous Dietary Fiber From Konjac-Mannan in Subjects Results of a controlled metabolic trial’, *Clinical Care/Education/Nutrition*, 23(1), pp. 9–14.
- Wahjuni, S. (2013) ‘Metabolisme Biokimia’. Udayana University Press.
- Weiss, R. (2007) ‘Fat distribution and storage: how much, where, and how?’, *European Journal of Endocrinology*, 157, pp. 39–45. doi: 10.1530/EJE-07-0125.
- WHO (2000a) *Obesity: Preventing and Managing the Global Epidemic*.

- WHO (2000b) *The Asia-Pacific Perspective : Redefining Obesity and Its Treatment*.
- WHO (2003) *Global Strategy On Diet, Physical Activity and Health*.
- Wiklund, P. *et al.* (2008) ‘Abdominal and Gynoid Fat Mass Are Associated with Cardiovascular Risk Factors in Men and Women’, *Journal Clinical Endocrinology Metabolism*, 93(May 2014), pp. 4360–4366. doi: 10.1210/jc.2008-0804.
- William, G. *et al.* (2006) ‘High protein high fibre snack bars reduce food intake and improve short term glucose and insulin profiles compared with high fat snack bars’, *Asia Pacific Journal of Clinical Nutrition*, 15(April), pp. 443–450.
- Wu, W., Yang, L. and Chen, H. (2014) ‘Effects of konjac glucomannan, inulin and cellulose on acute colonic responses to genotoxic azoxymethane’, *Food Chemistry*. Elsevier Ltd, 155, pp. 304–310. doi: 10.1016/j.foodchem.2014.01.065.
- Wulansari, A., Martianto, D. and Baliwati, Y. F. (2016) ‘Estimasi Kerugian Ekonomi Akibat Obesitas Pada Orang Dewasa di Indonesia’, *Jurnal Gizi Pangan*, 11(Juli 2016), pp. 159–168.
- Xu, H. *et al.* (2018) ‘Association of Obesity With Mortality Over 24 Years of Weight History Findings From the Framingham Heart Study’, *Journal of American Medical Association*, 1(7), pp. 1–13. doi: 10.1001/jamanetworkopen.2018.4587.
- Yang, H. Y. *et al.* (2012) ‘Beneficial effects of catechin-rich green tea and inulin on the body composition of overweight adults’, *British Journal of Nutrition*, 107(5), pp. 749–754. doi: 10.1017/S0007114511005095.
- Yu, X. *et al.* (2019) ‘Progress in Lipid Research Cholesterol transport system : An integrated cholesterol transport model involved in atherosclerosis’, *Progress in Lipid Research*. Elsevier, 73(December 2018), pp. 65–91. doi: 10.1016/j.plipres.2018.12.002.
- Zhang, Y., Xie, B. and Gan, X. (2005) ‘Advance in the applications of konjac glucomannan and its derivatives’, *Carbohydrate Polymers Journal*, 60, pp. 27–31. doi: 10.1016/j.carbpol.2004.11.003.
- Zizza, C. A. (2014) ‘Healthy snacking recommendations : One size does not fit all’, *Physiology & Behavior*. Elsevier Inc., 134, pp. 32–37. doi: 10.1016/j.physbeh.2014.01.034.