

DAFTAR PUSTAKA

- Abd Razak, D. A. (2015). Enhancement of Phenolic Acid Content and Antioxidant Activity of Rice Bran Fermented with *Rhizopus oligosporus* and *Monascus purpureus*. *Biocatalysis and Agricultural Biotechnology*.
- Acosta-Estrada, B. A.-U.-S. (2014). Bound phenolics in foods, a review. *Food Chem*, 152, 46–55.
- Almatsier, S. (2010). *Prinsip Dasar Ilmu Gizi*. Jakarta: Gramedia Pustaka Utama.
- American Diabetes Association. (2014). Diagnosis and Classification of Diabetes Mellitus. *Diabetes Care*, 37(Suppl. 1), S81-S90.
- Ansell, J. P. (2013). Modification of the colonic microbiota. *1st. Adv. Food Nutr. Res. Elsevier Inc*.
- Arifin, W. Z. (2017). Sample Size Calculation in Animal Studies Using Resource Equation Approach. *Malays J Med Sci*, 24(5), 101-105.
- Arrieta, M. W. (2016). Human Microbiota-Associated Mice: A Model with Challenges. *Cell host & microbe*, 19, 575–578.
- Aw, W. F. (2018). Understanding the role of the gut ecosystem in diabetes mellitus. *J Diabetes Investig*, 9(1), 5–12.
- Awika, J. Y. (2009). Comparative antioxidant, antiproliferative and phase II enzyme inducing potential of sorghum (*Sorghum bicolor*) varieties. *Journal Food Science and Technology*, 42, 1041–1046.
- Aydin, O. N. (2018). The gut microbiome as a target for the treatment of Type 2 Diabetes. *Curr. Diab. Rep.*, 18(55).
- Bell, D. (2015). Changes seen in gut bacteria content and distribution with obesity: causation or association? *Postgrad Med*, 127, 863-868.
- Ben-Amor, K. H. (2005). Genetic diversity of viable, injured, and dead fecal bacteria assessed by fluorescence-activated cell sorting and 16S rRNA gene analysis. *Appl Environ Microbiol*, 71, 4679–4689.
- Blad, C. T. (2012). G protein-coupled receptors for energy metabolites as new therapeutic targets. *Nat. Rev. Drug Discov*, 11, 603–619.
- Bojanova, D. B. (2016). Fecal Transplants: What Is Being Transferred? *PLoS biology*, 14, 1-12.

- Burlando, B. C. (2014). Therapeutic properties of rice constituents and derivatives (*Oryza sativa* L.): A review update. *Trends in Food Science dan Technology*, 40(1), 82–98.
- Butsat, S. S. (2010). Antioxidant capacities and phenolic compounds of the husk, bran and endosperm of Thai rice. *Food Chem*, 119, 606–613.
- Canani, R. B. (2011). Potential beneficial effects of butyrate in intestinal and extraintestinal diseases. *World Journal of Gastroenterology*, 17(12), 1519–1528.
- Cani, P. B. (2008). Changes in gut microbiota control metabolic endotoxemia-induced inflammation in high-fat diet-induced obesity and diabetes in mice. *Diabetes*, 57, 1470–1481.
- Carlucci, C. P.-V. (2016). Fecal microbiota- based therapeutics for recurrent clostridium difficile infection, ulcerative colitis and obesity. *EBioMedicine*, 13, 37–45.
- Chen, M. C. (2012). Growth-Inhibitory Effects of Pigmented Rice Bran Extracts and Three Red Bran Fractions Against Human Cancer Cells: Relationships with Composition and Antioxidative Activities. *Journal of Agricultural and Food Chemistry*, 60, 9151-9161.
- Conlon, M. B. (2015). The impact of diet and lifestyle on gut microbiota and human health. *Nutrients*, 7, 17–44.
- Cui, L. M. (2014). The microbiome and the lung. *Ann Am Thorac Soc.*, 11(4), S227–232.
- D’Aversa, F. T. (2013). Gut microbiota and metabolic syndrome. *Intern Emerg Med*, 8(1), 11-15.
- Daou, C. Z. (2014). Functional and physiological properties of total, soluble, and insoluble dietary fibres derived from defatted rice bran. *J Food Sci Technol*, 51(12), 3878-3885.
- De Silva, A. B. (2012). Gut hormones and appetite control: a focus on PYY and GLP-1 as therapeutic targets in obesity. *Gut Liver*, 6, 10–20.
- De Vuyst, L. M. (2014). Summer meeting 2013: growth and physiology of bifidobacteria. *J.Appl.Microbiol*, 116, 477–491.
- DeGruttola, A. K. (2016). Current Understanding of Dysbiosis in Disease in Human and Animal Models. *Inflamm Bowel Dis*, 22, 1137–1150.

- Dello, S. B. (2012). Dietary fiber and availability of nutrients : a case study on yoghurt as a food model. *The Complex World of Polysaccharides*, 455–490.
- Dethlefsen, L. E. (2006). Assembly of the human intestinal microbiota. *Trends Ecol Evol*, 21(9), 517-523.
- Dewulf, E. C. (2013). Insight into the prebiotic concept: lessons from an exploratory, double blind intervention study with inulin-type fructans in obese women. *Gut*, 62, 1112-1121.
- Doi., K. P. (2013). Identification and Characterization of Lactic Acid Bacteria Isolated from Fermented Rice Bran Product. *Advances in Microbiology*, 3(3), 265–272.
- Donaldson, G. L. (2016). Gut biogeography of the bacterial microbiota. *Nat Rev Microbiol*, 14(1), 20-32.
- Effendi, S. (2012). *Teknologi Pengolahan dan Pengawetan Pangan*. Bandung: Alfabeta.
- Elliot, R. O. (2002). Science, medicine, and the future. Nutritional genomics. *BMJ*, 324, 1438-1442.
- Fernandes, J. S.-R. (2014). Adiposity, gut microbiota and faecal short chain fatty acids are linked in adult humans. *Nutr. Diabetes*, 4, e121.
- Flint, H. B. (2008). Polysaccharide utilization by gut bacteria: potential for new insights from genomic analysis. *Nat Rev Microbiol*, 6, 121–131.
- Flint, H. D. (2007). Interactions and competition within the microbial community of the human colon: Links between diet and health. *Environ. Microbiol.*, 9, 1101–1111.
- Flint, H. S. (2012). Microbial degradation of complex carbohydrates in the gut. *Gut Microbes*, 289–306.
- Gao, Z. Y. (2009). Butyrate improves insulin sensitivity and increases energy expenditure in mice. *Diabetes*, 58, 1509–1517.
- Garrett, W. (2015). Cancer and the microbiota. *Science*, 348, 80–86.
- Gibson, G. S.-F. (2010). Dietary prebiotics: Current status and new definition. . *Food Sci. Technol. Bull. Funct. Foods*, 1–19.
- Gong, E. S. (2019). Effect of in vitro digestion on phytochemical profiles and cellular antioxidant activity of whole grains. *J. Agric. Food Chem*, 67, 7016–7024.

- Greenhill, C. (2015). Gut microbiota: Firmicutes and Bacteroidetes involved in insulin resistance by mediating levels of glucagon-like peptide 1. *Nat Rev Endocrinol*, 11(254).
- Guo, S. N.-S. (2015). Lipopolysaccharide regulation of intestinal tight junction permeability is mediated by TLR4 signal transduction pathway activation of FAK and MyD88. *J Immunol*, 195, 4999–5010.
- Hadipernata, M. (2007). Mengolah Dedak menjadi Minyak (Rice Bran Oil). *Warta Penelitian dan Pengembangan Pertanian*, 29(4), 8-10.
- Han, J. L. (2014). Intestinal microbiota and type 2 diabetes: From mechanism insights to therapeutic perspective. *World J Gastroenterol WJG*, 20(47), 17737–17745.
- Harsch, I. K. (2018). The Role of Gut Microbiota in Obesity and Type 2 and Type 1 Diabetes Mellitus: New Insights into “Old” Diseases. *Med Sci*, 6(2), 32.
- Hijova, E. C. (2007). Short Chain Fatty Acid and Colonic Health. *Bratisl Lek Listy*, 108(8), 354-358.
- Holzappel, W. H. (1998). Overview of gut flora and probiotics. *Int J Food Microbiol*, 41, 85–101.
- Hsiao, E. M. (2013). Microbiota modulate behavioral and physiological abnormalities associated with neurodevelopmental disorders. *Cell*, 155, 1451–1463.
- Hu, G. Y. (2013). Binding of cholesterol and bile acid to hemicelluloses from rice bran. *Int J Food Sci Nutr*, 64(4), 461-466.
- Hume, M. N. (2017). Prebiotic supplementation improves appetite control in children with overweight and obesity: a randomized controlled trial. *Am J Clin Nutr*, 105, 790–799.
- Jenkins, D. W. (1978). Dietary fibres, fibre analogues, and glucose tolerance: importance of viscosity. *Br Med J*, 1(6124), 1392-1394.
- Jung, E. H. (2007). Hypoglycemic effects of a phenolic acid fraction of rice bran and ferulic acid in C57BL/KsJ-db/db mice. *J. Agric. Food Chem*, 55, 9800–9804.
- Jung, E. K. (2007). Hypoglycemic effects of a phenolic acid fraction of rice bran and ferulic acid in C57BL / KsJ- db / db mice. *J. Agric. Food Chem*, 55(24), 9800–9804.
- Kahlon, T. (2009). Rice Bran: Production, Composition, Functionality and Food Applications, Physiological Benefits. In S. S. Cho, *In Fiber Ingredients:*

Food Applications and Health Benefits (pp. 305-21). Taylor and Francis Group, LLC: Boca Raton.

- Kahlon, T. S. (1993). Cholesterol-lowering Properties of Cereal Fibres and Fractions. In *Advanced Dietary Fiber Technology*. London: Blackwell Publishing.
- Kahn, S. C.-S. (2014). Pathophysiology and Treatment of Type 2 Diabetes: Perspectives on The Past, Present, and Future. *National Institute of Health*, 383(9922), 1068-1083.
- Karppinen, S. (2003). Dietary Fiber Component of Rye Bran and The Fermentation In Vitro. *Biotech Faculty of Science University of Helsinki, Finland*.
- Kasubuchi, M. H. (2015). Dietary Gut Microbial Metabolites, Short-chain Fatty Acids, and Host Metabolic Regulation. *Nutrients*, 7, 2839-2849.
- Kemperman, R. A. (2013). Impact of polyphenols from black tea and red wine/grape juice on a gut model microbiome. *Food Res. Int.*, 53, 659–669.
- Khanna, S. T. (2014). A clinician's primer on the role of the microbiome in human health and disease. *Mayo Clinic Proceedings*, 89(1), 107–114.
- Kim, S. L. (2016). Enhanced antioxidant activity of rice bran extract by carbohydrase treatment. *J Cereal Sci*, 68, 116-121.
- Koliada, A. S. (2017). Association between body mass index and Firmicutes/Bacteroidetes ratio in an adult Ukrainian population. *BMC Microbiol*, 17(120).
- Kurniati, Y. B. (2017). Peningkatan Senyawa Fenolik Bekatul dengan SSF (Solid State Fermentation) sebagai Pencegah Kanker. *Iptek Tanaman Pangan*, 12(2), 97 -104.
- Larsen, N. V.-S. (2010). Gut Microbiota in Human Adults with Type 2 Diabetes Differs from Non-Diabetic Adults. *Microbiota and Type 2 Diabetes*, 5(5), 1-10.
- Lattimer, J. H. (2010). Effects of Dietary Fiber and Its Components on Metabolic Health. *Nutrients*, 2, 1266-1289.
- Le Roy, T. e. (2013). Intestinal microbiota determines development of non-alcoholic fatty liver disease in mice. *Gut*, 62, 1787–1794.
- Ley, R. L. (2000). Worlds within worlds: evolution of the vertebrate gut microbiota. *Nat Rev*, 6, 996-1047.

- Li, D. W. (2016). The gut microbiota: A treasure for human health. *Biotechnol Adv*, *34*, 1210-1224.
- Lin, H. V. (2012). Butyrate and propionate protect against diet-induced obesity and regulate gut hormones via free fatty acid receptor 3-independent mechanisms. *PLoS ONE*, *7*(4).
- Lloyd-Price, J. A.-P. (2019). Multi-omics of the gut microbial ecosystem in inflammatory bowel diseases. *Nature*, *569*, 655-662.
- Looijer-van Langen, M. A. (2009). Prebiotics in chronic intestinal inflammation. *Inflammatory Bowel Diseases*, *15*(3), 454-462.
- Louis, P. F. (2017). Formation of propionate and butyrate by the human colonic bacteria. *Environ. Microbiol.*, *19*, 29-41.
- Luckey, D. G. (2013). Bugs & us: the role of the gut in autoimmunity. *Indian Journal of Medical Research*, *138*(5), 732-743.
- Lynch, S. P. (2016). The human intestinal microbiome in health and disease. *N Engl J Med*, *375*(24), 2369-2379.
- Macfarlane, G. T. (2012). Bacteria, colonic fermentation, and gastrointestinal health. *J. AOAC Int.*, *95*, 50-60.
- Macfarlayne, S. M. (2003). Regulation of short-chain fatty acid production. *Proc.the Nutr. Soc*, *62*, 67-72.
- Machiels, K. J. (2014). A decrease of the butyrate-producing species *Roseburia hominis* and *Faecalibacterium prausnitzii* defines dysbiosis in patients with ulcerative colitis. *Gut*, *63*, 1275-1283.
- Magistrelli, D. Z. (2016). Effects of cocoa husk feeding on the composition of swine intestinal microbiota. *J Agric Food Chem*, *64*, 2046-2052.
- Makki, K. D. (2018). The Impact of Dietary Fiber on Gut Microbiota in Host Health and Disease. *Cell Host & Microbe*, *23*, 705-715.
- Mariat, D. F. (2009). The Firmicutes/Bacteroidetes ratio of the human microbiota changes with age. *BMC Microbiol*, *9*(123).
- Marten, B. P. (2006). Mediumchain. *Int. Dairy J.*(16), 374-1382.
- Martins, S. M.-A.-S. (2011). Bioactive phenolic compounds: Production and extraction by solid-state fermentation: A review. *Biotechnol. Adv*, *29*, 365-373.

- Meijer, K. d. (2010). Butyrate and other short-chain fatty acids as modulators of immunity: what relevance for health? *Curr. Opin Clin Nutr Metab Care*, 13, 715–721.
- Moreno-Indias, I. S.-A.-M. (2016). Red wine polyphenols modulate fecal microbiota and reduce markers of the metabolic syndrome in obese patients. *Food Funct*, 7, 1775–1787.
- Muñoz-Garach, A. D.-P. (2016). Gut microbiota and type 2 diabetes mellitus. *Endocrinol Nutr Engl Ed*, 63(10), 560–568.
- Muntana, N. P. (2010). Study on total phenolic content and their antioxidant activities of Thai White, Red and Black rice bran extracts. *Pakistan Journal of Biologycal Sciences*, 13(4), 170-174.
- Musso, G. G. (2010). Obesity, diabetes, and gut microbiota: the hygiene hypothesis expanded? *Diabetes Care*, 33(10), 2277–2284.
- Naito, Y. U. (2018). Dual antiplatelet therapy does not affect the Society for Free Radical Research Japan. *Journal of Clinical Biochemistry and Nutrition*, 63, 2016–2019.
- Nicolucci, A. H. (2017). Prebiotics reduce body fat and alter intestinal microbiota in children who are overweight or with obesity. *Gastroenterology*, 153, 711–722.
- Norazalina, S. N. (2010). Anticarcinogenic efficacy of phytic acid extracted from rice bran on azoxymethane-induced colon carcinogenesis in rats. *Journal of Toxicology Pathology*, 62, 259-268.
- Nurrahma., A. B. (2018). Fermented Rice Bran Extract Improves Dyslipidemia in Rodents. *Nutrition & Food Science*, 48(2), 375–383.
- Oduguwa, O. E. (2008). Physico-chemical and microbiological analyses of fermented corn cob, rice bran and cowpea husk for use in composite rabbit feed. *Bioresour Technol*, 99(6), 1816-1820.
- Ohira, H. T. (2017). Are Short Chain Fatty Acids in Gut Microbiota Defensive Players for Inflammation and Atherosclerosis? *Journal of Atherosclerosis and Thrombosis*, 24(7), 660–672.
- Palmer, R. (2011). Fecal matters. *Nature Medicine*, 17(2), 150–152.
- Pereira, M. L. (2001). Dietary fiber and body-weight regulation: Observations and mechanisms. *Pediatric Clinics of North America*, 48(4), 969–980.
- Perkeni. (2015). *Konsensus Pengelolaan dan Pencegahan Diabetes Melitus Tipe 2 Di Indonesia*. Jakarta.

- Pham, T. T. (2017). In vitro fermentation patterns of rice bran components by human gut microbiota. *Nutrients*, 9(1237).
- Qin, J. L. (2012). A metagenome-wide association study of gut microbiota in type 2 diabetes. *Nature*, 490(7418), 55–60.
- Qureshi, A. S. (2002). Effects of Stabilized Rice Bran, Its Soluble and Fiber Fractions on Blood Glucose Levels and Serum Lipid Parameters in Humans with Diabetes Mellitus Types I and II. *The Journal of Nutritional Biochemistry*, 13(3), 175–87.
- Rajilic-Stojanovic, M. d.-V. (2014). The first 1000 cultured species of the human gastrointestinal microbiota. *FEMS Microbiol Rev*, 38(5), 996-1047.
- Rao, B. (2000). Nutritive Value of Rice Bra. *Nutrition Foundation of India*, 5-8.
- Rashid, N. Y. (2015). Bioactive compounds and antioxidant activity of rice bran fermented with lactic acid bacteria. *Jornal of Functional Food*, 11(2), 156-162.
- Ridaura, V. F. (2013). Gut microbiota from twins discordant for obesity modulate metabolism in mice. *Science*, 341.
- Rivière, A. S. (2016). Bifidobacteria and Butyrate-Producing Colon Bacteria : Importance and Strategies for Their Stimulation in the Human Gut',. *Frontiers in Microbiology*, 7, 1-21.
- Rodrigues, S. C. (2005). Effect of a Rice Bran Fiber Diet on Serum Glucose Levels of Diabetic Patients in Brazil. *Archivos Latinoamericanos de Nutricion*, 55(1), 23-27.
- Rose, C. P. (2015). The Characterization of Feces and Urine: A Review of the Literature to Inform Advanced Treatment Technology. *Crit Rev Environ Sci Technol*, 45, 1827–1879.
- Sato, J. K. (2017). Type 2 Diabetes and Bacteremia. *Annals of Nutrition and Metabolism*, 71(1), 17-22.
- Scher, J. U. (2015). Decreased bacterial diversity characterizes the altered gut microbiota in patients with psoriatic arthritis, resembling dysbiosis in inflammatory bowel disease. *Arthritis Rheumatol*, 67, 128-139.
- Schley, P. F. (2002). Immune-enhancing effects of dietary fibres and prebiotics. *British J of Nutr*, 87(2), 221-230.
- Schulze, M. B. (2007). Fiber and magnesium intake and incidence of type 2 diabetes: a prospective study and meta-analysis. *Arch. Intern. Med.*, 167, 956–965.

- Schwartz, A. (2009). Microbiota and SCFA in lean and overweight healthy subjects. *Obesity*, 18, 190-195.
- Scott, K. G. (2013). The influence of diet on the gut microbiota. *Pharmacol Res*, 69(1), 52-60.
- Selma, M. E.-B. (2009). Interaction between phenolics and gut microbiota: role in human health. *J. Agric. Food Chem*, 57, 6485–6501.
- Sender, R. F. (2016). Are We Really Vastly Outnumbered? Revisiting the Ratio of Bacterial to Host Cells in Humans. *Cell*, 164, 337–340.
- Shao, Y. X. (2014). Identification and quantification of phenolic acids and anthocyanins as antioxidants in bran, embryo and endosperm of white, red and black rice kernels (*Oryza sativa* L.). *Journal of Cereal Science*, 59(2), 211–218.
- Sheflin, A. B. (2015). Pilot dietary intervention with heat-stabilized rice bran modulates stool microbiota and metabolites in healthy adults. *Nutrients*, 7, 1282–1300.
- Sherwood, L. (2010). *Fisiologi Manusia: dari Sel ke Sistem-Edisi 7*. Jakarta: EGC.
- Shurtleff, W. A. (1979). *The Book of Tempeh* (1st ed.). New York: Harper & Row, Publisher, Inc.
- Sircana, A. D. (2018). Gut microbiota, hypertension and chronic kidney disease: recent advances. . *Pharmacol Res*.
- Sircana, A. F. (2018). Altered Gut Microbiota in Type 2 Diabetes: Just a Coincidence? *Curr Diab Rep*, 18(98), 1-11.
- Slavin, J. G. (2007). Dietary fibre and satiety. *Nutr Bull*, 32, 32–42.
- Sompong, R. S.-E.-M. (2011). Physicochemical and antioxidative properties of red and black rice varieties from Thailand, China and Sri Lanka. *J. Food Chem.*, 124, 132-140.
- Souza, C. B. (2013). Effects of dietary fibers with different fermentation characteristics on feeding motivation in adult female pigs. *Physiol Behav*, 148– 157.
- Stephen, A. C. (1980). The microbial contribution to human faecal mass. *J Med Microbiol*, 13, 45–56.
- Sumantha, A. D. (2006). Rice bran as a substrate for proteolytic enzyme production. *Braz. arch. biol. technol*, 49(5).

- Sun, M. W. (2017). Microbiota metabolite short chain fatty acids, GPCR, and inflammatory bowel diseases. *J Gastroenterol*, *52*, 1–8.
- Thahir, R. (2010). Revitalisasi Penggilingan Padi melalui Inovasi Pendukung Swasembada Beras dan Persaingan Global. *Buletin Pengembangan Inovasi Pertanian*, *3*(3), 171-183.
- Thursby, E. J. (2017). Introduction to the human gut microbiota. *The Biochemical journal*, *474*(11), 1823–1836.
- Tomás-Barberán, F. S. (2016). Interactions of gut microbiota with dietary polyphenols and consequences to human health. *Curr. Opin. Clin. Nutr. Metab. Care*, *19*, 471–476.
- Tong, M. L. (2013). A modular organization of the human intestinal mucosal microbiota and its association with inflammatory bowel disease. *PLoS One*.
- Topping, D. L. (2001). Short-chain fatty acids and human colonic function: roles of resistant starch and nonstarch polysaccharides. *Physiological Reviews*, *81*(3), 1031–1064.
- Tremaroli, V. B. (2012). Functional interactions between the gut microbiota and host metabolism. *Nature*, *489*, 242–249.
- Turnbaugh, P. R. (2009). The effect of diet on the human gut microbiome: a metagenomic analysis in humanized gnotobiotic mice. *Sci Transl Med*, *1*, 6-14.
- Vinolo, M. R. (2011). Regulation of Inflammation by Short Chain Fatty Acids. *Nutrients*, *3*, 858-876.
- Vrieze, A. H. (2010). The environment within: how gut microbiota may influence metabolism and body composition. *Diabetologia*, *53*(4), 606–613.
- Walker, A. P. (2013). Microbiology. Fighting obesity with bacteria. *Science*, *341*(6150), 1069-1070.
- Wang, B. Y. (2017). The Human Microbiota in Health and Disease. *Engineering*, *3*(1), 71-82.
- Wang, W. C. (2014). Increased proportions of Bifidobacterium and the Lactobacillus group and loss of butyrate-producing bacteria in inflammatory bowel disease. *J Clin Microbiol*, *52*, 398-406.
- Wang, Z. K. (2011). Gut flora metabolism of phosphatidylcholine promotes cardiovascular disease. *Nature*, *472*, 57–63.

- Weickert, M. M. (2005). Impact of cereal fibre on glucose-regulating factors. *Diabetologia*, 48, 2343-2353.
- Whitman, W. C. (1998). Prokaryotes: the unseen majority. *Proc Natl Acad Sci U S A*, 6578-6583.
- Winarno, F. F. (1980). *Pengantar Teknologi Pangan*. Jakarta: Gramedia Pustaka Utama.
- Wong, J. M. (2006). Colonic health: fermentation and short chain fatty acids. *J. Clin. Gastroenterol.*, 40, 235-243.
- Wrzosek, L. C. (2018). Transplantation of human microbiota into conventional mice durably reshapes the gut Microbiota . *Scientific Reports*, 6(685), 1-9.
- Wu, G. C. (2012). Linking Long- Term Dietary Patterns with Gut Microbial Enterotypes. *Science*, 334(6052), 105-108.
- Wu, Y. D. (2014). Risk Factors Contributing to Type 2 Diabetes and Recent Advances in the Treatment and Prevention. *Int J Med Sci*, 11(11), 1185–1200.
- Xu, Z. H. (2001). Antioxidant activity of tocopherols, tocotrienols, and gamma oryzanol components from rice bran against cholesterol oxidation accelerated by 2,2'-azobis(2 methylpropionamide) dihydrochloride. *J. Agric. Food Chem*, 49(4), 2077-2081.
- Yadav, H. L. (2013). Beneficial metabolic effects of a probiotic via butyrate-induced GLP-1 hormone secretion. *J Biol Chem*, 288(35), 25088-25097.
- Yadav, V. V. (2016). Inflammatory bowel disease: Exploring gut pathophysiology for novel therapeutic targets. *Transl Res*, 176, 38-68.
- Yang, S. C. (2019). Rice Bran Reduces Weight Gain and Modulates Lipid Metabolism in Rats with High-Energy-Diet-Induced Obesity. *Nutrients*, 11(2033), 1-10.
- Zhang, H. J. (2015). Chapter 3: The role of hormones in glucose homeostasis and diabetes treatment. *Recent Advances in Diabetes Treatment*.
- Zhang, L. H. (2013). Antibiotic administration routes significantly influence the levels of antibiotic resistance in GM. *Antimicrob. Agents Chemother*, 57 , 3659–3666.
- Zhang, Q. e. (2018). Inulin-type fructan improves diabetic phenotype and gut microbiota profiles in rats. 1–24.

- Zhao, G. Z. (2018). A Comparison of the Chemical Composition, In Vitro Bioaccessibility and Antioxidant Activity of Phenolic Compounds from Rice Bran and Its Dietary Fibres. *Molecules*, 23(202).
- Zhou, Y. H. (2016). Association of oncogenic bacteria with colorectal cancer in South China. *Oncotarget*, 7(49), 80794–80802.
- Zubaidah, E. N. (2012). Comparative Study on Synbiotic Effect of Fermented Rice Bran by Probiotic Lactic Acid Bacteria *Lactobacillus casei* and Newly Isolated *Lactobacillus plantarum* B2 in Wistar Rats. *APCBEE Procedia* 2, (pp. 170-177).