

DAFTAR PUSTAKA

- AACC. 2001. *The Definition of Dietary Fiber*. Cereal Fds. World.
- Ademiluyi AO., Oboh G., & Aragbaiye FP. 2015. *Antioxidant properties and in vitro α -amylase and α -glucosidase inhibitory properties of phenolics constituents from different varieties of Corchorus Spp.* Journal of Taibah University Medical Sciences, 10, 278–287.
- Agustina W., dan Andriana Y. 2010. *Karakterisasi Produk Yogurt Susu Nabati Kacang Hijau (*Phaseolus radiatus* L.)*. Balai Besar Pengembangan teknologi Tepat Guna – LIPI. ISSN 1693-4393
- Akmar A. 2006. *Aktivitas Protease dan Kandungan Asam Laktat pada Yoghurt yang Dimodifikasi *Bifidobacterium bifidum* dan Diinokulasi *Pseudomonas fluorescens**. Skripsi Program Studi Biokimia FMIPA IPB. Bogor
- Aldercreutz H. 1998. *Epidemiology of phytoestrogens*. Baillieres Clin. Endocrinol. Metab. 12:605-623.
- Ali NM., Mohd Yusof H., Long K., Yeap SK., Ho WY., Beh BK., Koh SP., Abdullah MP., Alitheen NB. 2013. *Antioxidant and hepatoprotective effect of aqueous extract of germinated and fermented mung bean on ethanol-mediated liver damage*. BioMed Research International, vol. 2013, Article ID 693613, 9 pages.
- Allister Price C., Argueta DA., Medici V., Bremer AA., Lee V., Nunez MV., Chen GX., Keim NL., Havel PJ., Stanhope KL., DiPatrizio NV. 2018. *Plasma fatty acid ethanolamides are associated with postprandial triglycerides, ApoCIII and ApoE in humans consuming high fructose corn syrup-sweetened beverage*. American Journal of Physiology Endocrinology and Metabolism.
- Almatsier S. *Penuntun Diet*. Jakarta: PT. Gramedia Pustaka Utama; 2004.
- Anik H. 2010. *Manfaat Serat dalam Menu Makanan*. Universitas Mercu Buana, Jakarta.
- Ariani SRD. dan Hastuti W. 2009. *Analisis Isoflavon dan Uji Aktivitas Antioksidan Pada Tempe dengan Variasi Lama Waktu Fermentasi dan Metode Ekstraksi*. Prosiding Kimia Organik, Bahan Alam, dan Biokimia. FKIP UNS Surakarta.
- Arsana PM., Rulli R., Asman M. 2015. *Panduan Pengelolaan Dislipidemia di Indonesia*. 2015. PERKENI
- Badan Pusat Statistik. 2015. *Produksi Kacang Hijau Menurut Provinsi (Ton) 1993-2015*. www.bps.go.id/linkTableDinamis/view/id/877 diakses tanggal 22 Agustus 2017
- Badan Standarisasi Nasional. 2009. SNI 01-2981-2009
- Balitkabi. 2008. *Deskripsi Varietas Unggul Kacang Hijau 1945-2008*. Balitkabi, Puslitbangtan, Balitbang Pertanian. Malang.

- Banjoko IO., Adeyanju MM., Ademuyiwa O., Adebawo OO., Olalere RA., Kolawole MO., Adegbola IA., Adesanmi TA., Oladunjoye TO., Ogunnowo AA. 2012. *Hypolipidemic effects of lactic acid bacteria fermented cereal in rats*. *Lipids in health and disease*, 11(1), 170.
- Basheikh K., Felemban AH., Felemban MH., Al-Raddadi RM., Al-nuqali E., Abaalkhail BA., Alshareel KM. *Prevalence of Dyslipidemia and its associated factors among employees of primary health care centers, Jeddah, Saudi Arabia*. *International Journal of Medical Science and Public Health*. 2016. Vol 5. Issue 05
- Boedhi DR. 1994. *Bersama MONICA Melaksanakan Hidup Sehat*. Bunga Rampai Karangan Ilmiah Prof. Dr. R. Boedhi-Darmojo. Semarang:FK Undip, 1994; 433-50.
- Bragagnolo N. *Analysis of cholesterol in edible animal by-products* In: Nollet L. M. L., Toldra F., editors. *Handbook of analysis of edible animal by-products*. CRC Press; NY: (2011). pp. 43–63
- Brown L., Rosner B., Willett WW., dan Sacks FM. 1999. *Cholesterol lowering effects of dietary fiber: A meta-analysis*. *The American Journal of Clinical Nutrition*, 69, 30–42.
- Bull LS., dan Pitts GC. 1971. *Gastric Capacity dan Energy Absorption in The Force-fed Rat*. *J Nutr* 101 : 593-596
- Canniatti Brazaca SG. dan Da Silva FC. 2003. *Enhancers and inhibitors of iron availability in legumes*. *Plant Food Hum. Nutr.* 58:1–8.
- Cao D., Li H, Yi J, Zhang J, Che H,. 2011. *Antioxidant properties of the mungbean flavonoids on alleviating heat stress*. *Plos One* 2011; 6(6): 21071
- Chandrasiri SD., Liyanage R., dan Vidanarachchi JK. 2016. *Does processing have a considerable effect on the nutritional and functional properties of mung bean (*Vigna radiata*)*. *Procedia Food Science*, 6, 352–355.
- Chang CK., Wang SC., Chiu CK., Chen SY., Chen ZT., dan Duh PD. 2015. *Effect of lactic acid bacteria isolated from fermented mustard on immunopotentiating activity*. *Asian Pacific Journal of Tropical Biomedicine*, 5(4), 281-286.
- Chung IM., Yeo MA., Kim SJ., Moon HI. 2011. *Protective effects of organic solvent fractions from the seeds of *Vigna radiata* L. Wilczek against antioxidant mechanism*. *Human and experimental toxicology* .2011; 30(8) : 904-909
- Dahiya PK., Linnemann AR., dan VAN Boekel MAJS. 2015. *Mung bean: Technological and nutritional potential*. *Critical Reviews in Food Science and Nutrition*, 55, 670–688.
- Dayspring T. *National Cholesterol Education Program Adult Treatment Panel III NCEP ATP III*. Final Report Circulation. 2002.
- Dewi NCP. 2013. *Pengaruh Pemberian Ekstrak Kacang Hijau (*Phaseolus Radiatus*) Terhadap Kadar Kolesterol Ldl Serum Tikus Hiperkolesterolemia*. Universitas Diponegoro : Semarang

- Direktorat Budaya Aneka Kacang dan Umbi. 2012. *Kacang Hijau*. Direktorat Jendral Tanaman Pangan. Kementerian Pertanian. [Http//Pusdatin.setjen.deptan.go.id/ditjntp/files/bulletin_kc_Hijau.pdf](http://Pusdatin.setjen.deptan.go.id/ditjntp/files/bulletin_kc_Hijau.pdf).
- Dorland WAN. *Kamus Kedokteran Dorland Edisi 29*. Jakarta: EGC; 2002.
- Dryden L., Pickavance, Frankish HM., dan Williams G. 1995. *Increased neuropeptide Y secretion in the hypothalamic paraventricular nucleus of obese (fa/fa) Zucker rats*. Brain Research, vol. 690, no. 2, pp. 185–188
- Efendi MH., Sorini H., dan Lusiastuti. 2009. *Peningkatan Kualitas Yoghurt dari Susu Kambing dengan Penambahan Bubuk Susu Skim dan Pengaturan Suhu Pemeraman*. J. Penelit. Med. Eksakta, Vol. 8, No. 3, Des 2009: 185-192
- Fantini H., Cabras C., Lobina C., Colombo G., Gessa GL., Riva A., Donzelli F., Morazzoni P., Bombardelli E., Carai MAM. 2009. *Reducing Effect of a Phaseolus vulgaris Dry Extract on Food Intake, Body Weight, and Glycemia in Rats*. Journal of Agricultural and Food Chemistry. 57:9316-9323
- Fernandez Orozco R., Frias J., Munoz R., Zielinski H., Piskula MK., Kozłowska H. dan Vidal Valverde C. 2007. *Fermentation as a bio-process to obtain functional soybean flours*. J. Agric. FoodChem. 55, 8972–8979.
- Figueiredo PS., Inada AC., Marcelino G., Cardozo CM., Freitas KC., Guimaraes RCA., Castro AP., Nascimento VA., Hiane PA. 2017. *Fatty Acids Consumption: The Role Metabolic Aspects Involved in Obesity and Its Associated Disorders*. Nutrients 2017, 9, 1158
- Gallaher DD., Hassel CA., Lee KJ., Gallaher CM. 1993. *Viscosity and fermentability as attributes of dietary fiber responsible for the hypocholesterolemic effect in hamsters*. J. Nutr. 123, 244–252.
- Gan Ren-You, Nagendra P.Shah, Ming-fu Wang, Wing-Yee Lui dan Harold Corke. 2016. *Lactobacillus Plantarum Wcfs1 Fermentation Differentially Affects Antioxidant Capacity And Polyphenol Content In Mung Bean (Vigna Radiata) And Soya Bean (Glycine Max) Milks*. Journal of Food Processing and Preservation ISSN 1745-4549
- Ganexan Kumar dan Xu Baojun. 2017. *A Critical Review on Phytochemical Profile and Health Promoting Effects of Mung Bean (Vigna radiata)*. Food Science and Technology Program, Beijing Normal University Hong Kong Baptist University United International College, Zhuhai, 519085 China
- Granito M. dan Alvarez G. 2006. *Lactic acid fermentation of black beans (Phaseolus vulgaris): Microbiological and chemical characterization*. J. Sci. Food Agric. 86, 1164–1171.
- Hall KD., Bemis T., Brychta R., Chen KY., Courville A., Crayner EJ., Goodwin S., Guo J., Howard L., Knuth ND., Miller BV 3rd, Siervo M., Skarulis MC., Walter M., Walter PJ., Yannai L. 2015. *Calorie for calorie, dietary fat restriction results in more body fat loss than carbohydrate restriction in people with obesity*. Cell metabolism. 2015;22(3):427-436.

- Hapsari RT., Trustinah, dan Rudi I. 2015. *Keragaman Plasma Nutfah Kacang Hijau dan Potensinya untuk Program Pemuliaan Kacang Hijau*. Pros Sem Nas Biodiv Indon Vol: 1, No:4
- Hegele RA. 2009. *Plasma lipoproteins: genetic influences and clinical implications*. Nat Rev Genet 2009; 10:109-21.
- Helperich W., dan Dennis W. 1980. *All About Yogurt*. rentice Hall, Inc. Englewood, New Jersey.
- Herlina H., Subagio A. dan Estiasih T. 2013. *Potensi hipolipidemik polisakarida larut air umbi gembili (Dioscorea esculenta L.) pada tikus hiperlipidemia*. Agritech, 33 (1) :8-15.
- Herman MA., dan Samuel VT. 2016. *The sweet path to metabolic demise: Fructose and lipid synthesis*. Trends Endocrinol. Metab. 2016, 27, 719–730.
- Hill JO., dan Melanson EL. 1999. *Overview of the determinants of overweight and obesity: current evidence and research issues*. Med Sci Sports Exerc. 1999;31(Suppl):S515-21.
- Hu X., Gao, J., Zhang, Q., Fu, Y., Li, K., Zhu,S., Li, D., 2013. *Soy fiber improves weight loss and lipid profile in overweight and obese adults: A randomized controlled trial*. Molecular Nutrition and Food Research, 57(12):2147-2154.
- Ihedioha JI., Onyinyechukwu Ada NU., Thelma Ebeda I. 2013. *Reference Values For The Serum Lipid Profile Of Albino Rats (Rattus Norvegicus) Of Varied Ages And Sexes*. Comp Clin Pathol (2013) 22:93–99
- Iswandari R. 2008. *Studi Kandungan Isoflavon pada Kacang Hijau, Tempe Kacang Hijau, dan Bubur Kacang Hijau*. Bogor: Fakultas Pertanian Institut Pertanian Bogor
- Itoh T., Garcia RN., Adachi M., Maruyama Y., Tecson-Mendoza EM., Mikami B., Utsumi S. 2006. *Structure of 8S α globulin, the major seed storage protein of mung bean*. Acta Crystallogr D Biol Crystallogr 62, 824–832.
- Itoh Y., dan Furuichi. 2009. *Lowering serum cholesterol level by feeding a 40%ethanol-eluted fraction from HP-20 resin treated with hot water extractof adzuki beans (Vigna angularis) to rats fed a high-fat cholesterol diet*. Nutrition 25 (2009) 318–321.
- Jones J. *Update on defining dietary fiber*. Cereal Foods World. 2000;45:219–220.
- Jung UJ., Lee MK., Park YB., Kang MA., Choi MS. 2006. *Effect of Citrus Flavonoids on Lipid Metabolism and Glucose-regulating Enzyme mRNA Levels in Type-2 Diabetic Mice*. Int J Biochem Cell Biol. 2006;38(7):1134-45.
- Kang I., Choi S., Ha TJ., Choi M., Wi HR., Lee BW., Lee M. 2015. *Effects of Mung Bean (Vigna radiata L.) Ethanol Extracts Decrease Proinflammatory Cytokine-Induced Lipogenesis in The KK-Ay Diabese Mouse Model*. J Med Food 00 (0) 2015, 1-9
- Kartikasari IN. 2014. *Perbedaan Kadar Kolesterol LDL dan HDL Sebelum dan Sesuah Pemberian Jus Kacang Hijau (Phaseolus radiatus Linn) pada*

- Pria Dislipidemia*. Artikel Penelitian. Semarang: Fakultas Kedokteran Universitas Diponegoro
- Kasper WH., dan Mireille JS. 2017. *Fructose Consumption, Lipogenesis, and Non-Alcoholic Fatty Liver Disease*. *Nutrients* 2017, 9, 981; doi:10.3390/nu9090981
- Kasprzyk A., Tyra M., dan Babicz M. 2015. *Fatty Acid Profile of Pork from a Local and a Commercial Breed*. *Arch. Anim. Breed.*, 58, 379–385, 2015
- Kavya N., Vavya B., Kishore KR., Venkateshwarlu. 2014. *Nutritional and Therapeutic Uses of Mudga [*Vigna radiata* (L) R. Wilczek] : A potential interventional dietary component*. *Int. J. Res. Ayurveda Pharm.* 2014;5(2):238-241
- Kazak L., Edward T., Chouchani, Gina Z., Alexander S., Banks, Evan D., Rosen, Bruce M., Spiegelman. 2017. *Genetic Depletion of Adipocyte Creatine Metabolism Inhibits Diet-Induced Thermogenesis and Drives Obesity*. *Cell Metab.* 2017 Oct 3;26(4):660-671.e3
- Keenan MJ., Zhou J., McCutcheon KL., Raggio AM., Bateman HG., Todd E., Jones CK., Tulley RT., Melton S., Martin RJ., Hegsted M. 2006. *Effects of resistant starch, a non-digestible fermentable fiber, on reducing body fat*. *Obesity (Silver Spring)* 2006;14:1523–1534
- Kokot dan Ficek R. 1999. *Effects of neuropeptide Y on appetite*. *Mineral and Electrolyte Metabolism*, vol. 25, no. 4–6, pp. 303–305
- Komatsuzaki N., Tsukahara K., Toyoshima H., Suzuki T., Shimizu N., dan Kimura T. 2007. *Effect of soaking and gaseous treatment on GABA content in germinated brown rice*. *J. Food Eng.*, 78(2):556-560.
- Kothapalli D., Liu SL., Bae YH., Monslow J., Xu T., Hawthorne EA., Byfield FJ., Castagnino P., Rao S., Rader DJ., Pure E., Philip MC., Lund-Katz S., Janmey PA., Assoian RK. 2012. *Cardiovascular protection by ApoE and ApoE-HDL linked to suppression of ECM gene expression and arterial stiffening*. *Cell Reports*, vol. 2, no. 5, pp. 1259–1271, 2012.
- Kusnandar F. 2010. *Kimia Pangan Komponen Makro*. Jakarta: Dian Rakyat
- Lammi C., Zanoni C., Arnoldi A. dan Vistoli G. 2015. *Two Peptides from Soy β -Conglycinin Induce a Hypocholesterolemic Effect in HepG2 cells by a Statin-like Mechanism: comparative in vitro and in silico modeling studies*. *Journal of Agricultural and Food Chemistry*, Vol. 63 No. 36, pp.7945-7951.
- Lattimer JM., dan Mark DH. 2010. *Effects of Dietary Fiber and Its Components on Metabolic Health*. *Nutrients*, 2, pp. 1266-1289
- Lee WJ., Kim M., Park HS., Kim HS., Jeon MJ., Oh KS., Koh EH., Won JC., Kim MS., Oh GT., Yoon M., Lee KU., Park JY. 2006. *AMPK activation increases fatty acid oxidation in skeletal muscle by activating PPAR alpha and PGC-1*. *Biochem Biophys Res Commun* 2006;340:291–295.
- Liming W., Jinhui Z., Xiaofeng X., Yi L., dan Jing Z. 2009. *Fast determination of 26 amino acids and their content changes in royal jelly during storage*

using ultra-performance liquid chromatography. J Food Compos Anal 22:242–249

- Limon RI., Penas E., Torino MI., Martinez-Villaluenga C., Duenas M. dan Frias J. 2015. *Fermentation enhances the content of bioactive compounds in kidney bean extracts*. Food Chem. 172, 343–352.
- London LE., Kumar AH., Wall R., Casey PG., O'Sullivan O., Shanahan F., Hill C., Cotter PD., Fitzgerald GF., Ross RP., Caplice NM., Stanton C. 2014. *Exopolysaccharide-producing probiotic Lacto-bacilli reduce serum cholesterol and modify enteric microbiota in ApoE & HIPHEN; deficient mice*, J. Nutr. 144 (2014) 1956–1962.
- Luo J., Cai, W., Tong, W., Xu, B. 2016. *Phytochemical distribution in hull and cotyledon of adzuki bean (*Vigna angularis* L.) and mung bean (*Vigna radiata* L.), and their contribution to antioxidant, antiinflammatory and anti-diabetic activities*. Food Chemistry 2016;201:350-60.
- Marazza JA., Garro MS., dan De Giori GS. 2009. *Aglycone production by Lactobacillus rhamnosus CRL981 during soymilk fermentation*. Food Microbiol. 26, 333–339.
- Marazza JA., Nazareno MA., De Giori GS., dan Garro MS. 2012. *Enhancement of the antioxidant capacity of soymilk by fermentation with Lactobacillus rhamnosus*. J. Funct. Foods 4, 594–601.
- Marsono Y. 2004. *Serat Pangan dalam Perspektif Ilmu Gizi*. Pidato Pengukuhan Jabatan Guru Besar pada Fakultas Teknologi Pertanian, Universitas Gadjah Mada
- Marques MR., Freitas RAMS., Carlos ACC., Siguemoto ES., Fontanari GG., Areas JAG. 2015. *Peptides from cowpea present antioxidant activity, inhibit cholesterol synthesis and its solubilisation into micelles*. Food Chemistry, 168,288 – 293.
- Mauritius Non Communicable Disease Survey 2009. *The Trends in Diabetes and Cardiovascular Disease Risk in Mauritius*. Baker IDI: Heart and Diabetes Institute
- Metais TW., Geyer JT., Rodrigo TC., Peter DA., Michael AE., Cynthia ED. 2012. *Bcl2a1a over-expression in murine hematopoietic stem and progenitor cells decreases apoptosis and results in hematopoietic transformation*. PloS ONE, vol. 7,no.10.
- Muchtadi D. 2001. *Sayuran sebagai sumber serat pangan untuk mencegah timbulnya penyakit degeneratif*. Teknologi dan Industri Pangan 12:1-2.
- Murray RK., Granner DK., Mayes PA., Rodwell VW. *Biokimia Harper*. 25 ed. Jakarta: EGC; 2003.
- Mustakim M. 2014. *Budidaya Kacang Hijau*. Yogyakarta : Pustaka Baru Press.
- Mustapha D., Sellam F., Khaled MB. 2015. *Correlation Between Dietary Fat Intake and Atherogenic Indices in Normal, Overweight and Obese Adults with or without Type 2 Diabetes*. Rom J Diabetes Nutr Metab Dis. 22(4):347-360

- Nair RM., Yang RY., Easdown WJ., Thavarajah D., Thavarajah P., Hughes JD., Keatinge JD. 2013. *Biofortification of Mugbean (*Vigna radiata*) as a whole food to enhance human health*. J Sci Food Agric 2013; 93(8):1805-13
- Nakazawa Y., dan Hosono A. 1992. *Function of Fermented Milk : Challenge for The Health Science*. Elsevier Applied Science, new York.
- Nestel PJ., Yamashita T., Sasahara T., Pomeroy S., Dart A., Komesaroff P., Owen A., Abbey M. *Soy isoflavones improve systemic arterial compliance but not plasma lipids in menopausal and perimenopausal women*. Arterioscler Thromb Vasc Biol. 1997;17(12):3392-3398.
- Ngatijan. 2006. *Metode Laboratorium dalam Toksikologi*. Yogyakarta : Bagian Farmakologi dan Toksikologi FK UGM
- Nishimura M., Ohkawara T., Sato Y., Satoh H., Takahasi Y., Hajika M., Nishihira J. 2016. *Improvement of triglyceride levels through the intake of enriched- β -conglycinin soybean (Nanahomare) revealed in a randomized, double-blind, placebocontrolled study*. Nutrients 8, 491.
- Nobuhiko T., Satoshi W., Mayuko N., Takayasu M., Mitsutaka K., Sayuri K., 2013. *Intake of mungbean proteins isolate reduce plasma triglyceride level in rats; functional foods in health and disease*. 2013; 3(9): 365-376
- Oomah BD., A. Corbe, P. Balasubramanian. 2010. *Antioxidant and anti-inflammatory activities of beans (*Phaseolus vulgaris* L.) hulls*, J. Agric.Food Chem. 58 .2010. 8225–8230.
- Ouwehand AC., Bianchi SB., Fondén R., Mogensen G., Salminen S. dan Sellars R. 2003. *Health effects of pro-biotics and culture-containing dairy products in humans*. Bulletin of the International Dairy Federation 380 4–19.
- Pande S., Platel K., dan Srinivasan K. 2012. *Antihypercholesterolaemic influence of dietary tender cluster beans (*Cyamopsis tetragonoloba*) in cholesterol fed rats*. Indian Journal of Medical Research, 135, 401–406.
- Parker RB. 1974. *Probiotics: the other half of the antibiotic story*. Animal Nutrition and Health, December, 4-8 .
- Patel A., Shah N., dan Prajapati J. 2013. *Biosynthesis of vitamins and enzymes in fermented foods by lactic acid bacteria and related genera-A promising approach*. Croatian Journal of Food Science and Technology, 5(2), 85-91.
- Pawiroharsono S. 2001. *Prospek dan Manfaat Isoflavon untuk Kesehatan*. Direktorat Teknologi Bioindustri, Badan Pengkajian dan Penerapan Teknologi.
- Prahastuti S. 2011. *Konsumsi Fruktosa Berlebihan Dapat Berdampak Buruk Bagi Kesehatan Manusia*. Universitas Kristen Maranatha
- Purwono dan R. Hartono. 2005. *Kacang Hijau*. Penebar Swadaya. Jakarta.
- Rahmawati F. 2003. *Pengaruh Diet Kacang Merah dan Kacang Kedelai terhadap Kadar Gula dan Profil Lipid Darah serta Sifat Digesta Tikus Diabetic*. Tesis. Program Pasca Sarjana Universitas Gadjah Mada

- Ramirez-Jimenez AK., Reynoso-Camacho R., Terejo ME., Leon-Galvan F., Loarca-Pina G. 2015. *Potential Role of Bioactive Compounds of Phaseolus vulgaris L. on Lipd Lowering Mechanism*. Journal Food Research International, 76(2015):92-104
- Reddy BS., Engle A., Simi B., dan Goldman M. 2001. *Effect of Dietary Fiber on Colonic Bacterial Enzymes and Bile Acids in Relation to Colon Cancer*. Gastroenterology 102:1475-1482
- Reeves Philip G., F.H. Nielsen, G.C. Fahey. 1993. *AIN-93 Purified Diets for Laboratory Rodents: Final Report of The American Institute of Nutrition Ad Hoc Writing Committee on The Reformulation of The AIN-76A Rodent Diet*. J. Nutr (123) : 1939-1951
- Reiner Z., Catapano AL., Backer GD., Graham I., Taskinen MR., Wiklund O., Agewall S., Alegria E., Chapman MJ., Durrington P., Erdine S., Halcox J., Hobbs R., Kjekshus J., Filardi PP., Riccardi G., Storey RF., Wood D. 2011. *ESC/EAS Guidelines for the management of dyslipidaemias. The Task Force for the management of dyslipidaemias of the European Society of Cardiology (ESC) and the European Atherosclerosis Society (EAS)*. European Heart Journal. 2011;32:1769-818.
- Riskesdas. 2013. *Laporan Hasil Riset Kesehatan Dasar (Riskesdas) 2013*. Jakarta: Badan Penelitian dan Pengembangan Kesehatan Kementerian Kesehatan RI.
- Rotimi OA., Olayiwola IO., Ademuyiwa O., Balogun EA. 2012. *Effects of Fiber-Enriched Diet on Tissue Lipid Profiles of MSG Obese Rats*. Food and Chemical Toxicology 50 (2012) 4062-4067
- Rowland I., Faughnan M., Hoey L., Wahala K., Williamson G., Cassidy A. 2003. *Bioavailability of phytoestrogens*. Br J Nutr. 2003;89 Suppl 1:S45-58.
- Rui X., Wen DL., Li W., Chen XH., Jiang M., dan Dong MS. 2015. *Enrichment of ACE inhibitory peptides in navy bean (Phaseolus vulgaris) using lactic acid bacteria*. Food Funct. 6, 622–629.
- Rukmana R. 1997. *Kacang Hijau, Budi Daya dan Pascapanen*. Kanisius. Yogyakarta.
- Ruschke K., Fishbein L., Dietrich A., Kloting N., Tonjes A., Oberbach A., Fasshauer M., Jenkner J., Schon MR., Stumvoll M., Bluher M., Mantzoros CS. 2010. *Gene expression of PPARc and PGC-1a in human omental and subcutaneous adipose tissues is related to insulin resistance markers and mediates beneficial effects of physical training*. Eur J Endocrinol 2010;162:515–523.
- Rutter GA., Xavier GDS., Leclerc I. 2003. *Roles of 50-AMP-activated protein kinase (AMPK) in mammalian glucose homoeostasis*. Biochem J 2003;375:1–16.
- Salmeron J., Ascherio A., Rimm EB., Colditz GA., Spiegelman D., Jenkins DJ., Stampfer MJ., Wing AL., Willett WC. 1997. *Dietary fiber, glycemic load, and risk of NIDDM in men*. Diabetes Care. 1997;20:545–550.

- Sanders ME .2003. *Probiotics: considerations for human health*. Nutrition Reviews 61 91–99.
- Santoso .2011. *Serat Pangan (Dietary Fiber) dan Manfaatnya bagi Kesehatan*. Magistra No. 75 . ISSN 0215-9511
- Schmild MK., dan Labuza TP. 2001. *Essentials of Functional Foods*. Aspen Publisher, Inc. Gaithersburg, Maryland.
- Setchell KD., Brown NM., Lydeking-Olsen E. 2002. *The clinical importance of the metabolite equol-a clue to the effectiveness of soy and its isoflavones*. J Nutr. 2002;132(12):3577-3584.
- Sengupta P. 2013. *The Laboratory Rat: Relating Its Age with Human's*. Int. J. Prev.Med., 4 (6), pp. 624-630
- Setiawan B dan Eko S. 2005. *Stres Oksidatif dan Peran Antioksidan pada Diabetes Mellitus*. Majalah Kedokteran Indonesia, VI: 55, No:2
- Shinnick FL., Ink SL., Marlett JA.1990. *Dose Response to A Dietary Oat Bran Fraction in Cholesterol-Fed Rats*. J.Nutr. 120:561
- Shu Z., Wei Li, Jianhua Li, Arvin J., Andrew ES., Haichao W. 2012. *It is not just folklore: the aqueous extract of mungbean coat is protective against sepsis*. Hindawi publishing corporation evidence-based complementary and alternative medicine; article ID 498467; 2012. P. 10
- Sirait CH. 1984. *Proses Pengolahan Susu Menjadi Yogurt*. Wartazoa, Pusat Penelitian dan Pengembangan Peternakan, Bogor
- Soewondo P., Purnamasari D., Oemardi M., Waspadji S., Soegondo S. 2006. *Prevalence of metabolic syndrome using NCEP/ATP III criteria in Jakarta, Indonesia: the Jakarta primary non-communicable disease risk factors surveillance 2006*. Acta Medica Indonesia. 2010; 42 (4): 199–203.
- Solanki YB. dan Jain SM. 2010. *Antihyperlipidemic activity of Clitoria ternatea and Vigna mungo in rats*, Pharm. Biol. 48 (2010) 915–923.
- Sood N., Baker WL., dan Coleman CI. 2008. *Effect of glucomannan on plasma lipid and glucose concentrations, body weight, and blood pressure: Systematic review and meta-analysis*. American Journal of Clinical Nutrition, 88, 1167–1175.
- Sudoyo AW., Setiyohadi B., Alwi I., Simadibrata M., Setiati S. *Buku Ajar Ilmu Penyakit Dalam Jilid II edisi V*. Jakarta: Interna Publishing; 2009.
- Sutrisno K. 2006. *Serat Makanan Membuat Usus Nyaman*. www.ebookpangan.com
- Tachibana N., Iwaoka Y., Hirotsuka M., Horio F., Kohno M. 2010. *β -Conglycinin lowers very-low-density lipoprotein-triglyceride levels by increasing adiponectin and insulin sensitivity in rats*. Biosci Biotechnol Biochem 74,1250–1255.
- Tachibana N., Wanezaki S., Nagata M., Motoyama T., Kohno M., Kitagawa S. 2013. *Intake of mung bean protein isolate reduces plasma triglyceride level in rats*. Funct Foods Health Dis 3, 365–376.

- Taku K., Umegaki K., Ishimi Y., Watanabe S. 2007. *Soy isoflavones lower serum total and LDL cholesterol in humans: a meta-analysis of 11 randomized controlled trials*. Am J Clin Nutr. 2007;85:1148–56.
- Teede HJ., Dalais FS., Kotsopoulos D., Liang Y.L., Davis S., McGrath B.P. *Dietary soy has both beneficial and potentially adverse cardiovascular effects: a placebo-controlled study in men and postmenopausal women*. J Clin Endocrinol Metab. 2001;86(7):3053-3060.
- Teede HJ., Giannopoulos D., Dalais FS., Hodgson J., McGrath BP. 2006. *Randomised, controlled, cross-over trial of soy protein with isoflavones on blood pressure and arterial function in hypertensive subjects*. J Am Coll Nutr. 2006;25(6):533-540.
- Theytaz F., de Giorgi S., Hodson L., Stefanoni N., Rey V., Schneiter P., Giusti V., Tappy L. 2014. *Metabolic fate of fructose ingested with and without glucose in a mixed meal*. Nutrients 2014, 6, 2632–2649.
- Tim Biomedis Riset Kesehatan Dasar Badan Penelitian dan Pengembangan Kesehatan Kementerian Kesehatan Republik Indonesia. Laporan Riset Kesehatan Dasar (Riskesdas) Bidang Biomedis. 2010:20-5.
- Tran Van Hien, Huong NB., Hung PM., Duc NB. 2002. *Radioprotective effects of vitexina for breast cancer patients undergoing radiotherapy with cobalt-60; integrative cancer therapies 2002; 1(1): 38-43*
- Tsalissavrina I., Wahono D., Handayani D. 2006. *Pengaruh Pemberian Diet Tinggi Karbohidrat Dibandingkan Diet Tinggi Lemak Terhadap Kadar Trigliserida dan HDL Darah pada Rattus norvegicus Galur Wistar*. Jurnal Kedokteran Brawijaya, Vol.XXII, No.2
- Tsumbu CN., Deby-Dupon G., Tits M., Angenot L., Frederich M., Kohnen S., Mouithys-Mickalad A., Serteyn D., Franck T. 2012. *Polyphenol content and modulatory activities of some tropical dietary plant extracts on the oxidant activities of neutrophils and myeloperoxidase*. International Journal of Molecular Sciences 13, 628–650.
- United States Department of Agriculture (USDA). *Agricultural research service, National Nutrient Database for Standard Reference Release 28*. 2016. nutrient database laboratory
- Varady KA. dan Kones PJH. 2005. *Combination diet and exercise interventions for the treatment of dyslipidemia: an effective preliminary strategy to lower cholesterol levels*. The journal of nutrition 2005;135:1829-35.
- Wahyuningrum MR. dan Probosari E., 2012. *Pengaruh Pemberian Buah Pepaya Terhadap Kadar Trigliserida pada Tikus Sprague Dawley dengan Hiperkolesterolemia*. Journal of Nutrition College Vol.1 No.1: 192-198
- Wang H., Hong T., Li N., Zang B., dan Wu X. 2018. *Soluble Dietary Fiber Improves Energy Homeostasis in Obese Mice by Remodeling the Gut Microbiota*. Vol.489, Issue 1, 25 March 2018, Pages 146-151
- Wang KF., Yuan YB., Wu LF., Li JQ., Liu J., Zhang Z., dan She GM. 2013. *Research progress of condensed tannin*. Chinese Traditional and Herbal Drugs, 12, 1687-1699.

- Weerathilake WADV., Rasika DMD., Ruwanmali JKU., Munasinghe MADD. 2014. *The evolution, processing, varieties and health benefits of yogurt*. International journal of scientific and research publication Vol.4, issues 4, 2014.
- Wi H., Choi, M., Choi, S., Kim, A. J., dan Lee, M. 2012. *Effects of vitexin from mung bean on 3T3-L1 adipocyte differentiation and regulation according to adipocytokine secretion*. Journal of the Korean Society of Food Science and Nutrition, 41(8), 1079-1085.
- Winarno FG. 2004. *Kimia Pangan dan Gizi*. Jakarta: PT Gramedia Pustaka Utama
- Winarti S. 2010. *Makanan Fungsional*, Cetakan ke 1, Graha Ilmu. Yogyakarta
- Wu Q., dan Shah NP. 2016. *High γ -aminobutyric acid production from lactic acid bacteria: emphasis on *Lactobacillus brevis* as a functional dairy starter*. Critical reviews in food science and nutrition
- Xiaofang Peng, Zongping Z., Ka-Wing C., Fang S., Gui-Xing R., Feng C., Mingfu W. 2008. *Inhibitory effect of mungbean extract and its constituents vitexin and isovitexin on the formation of advanced glycation end products*. Food chemistry 2008; 106(2): 475-481
- Yang J., dan Rose DJ. 2016. *The impact of long-term dietary pattern of fecal donoron in vitro fecal fermentation properties of inulin*, Food Funct. 7 (2016)1805–1813.
- Yao Y., Cheng XZ., Wang LX., Wang SH., Ren GX. 2012. *Mushroom tyrosinase inhibitors from mung bean (*Vigna radiatae* L.) extracts*. Int J Food Sci Nutr 63:358–361
- Yao Y., Hao L., Shi Z., Wang L., Cheng X., Wang S., Ren G . 2014. *Mung bean decreases plasma cholesterol by up-regulation of CYP7A1*. Plant Foods Hum Nutr 69, 134–136.
- Yao Y., Zhu Y., dan Ren G. 2014. *Mung bean protein increases plasma cholesterol by up-regulation of hepatic HMG-CoA Reductase, and CYP7A1 in mRNA levels*. Journal of Food and Nutrition Research, 2(11):770-775.
- Yasien N., Ahmad M., Matrook F., Nasir L., Froelicher ES. 2010. *Metabolic Syndrome in Patiens with Hypertension Attending a Family Practice Clinic in Jordan*. Eastern Mediterranean Health Journal (EMHJ).Vol 16 No.4 2010
- Yeap SK., Boon KB., Wan YH., Hamidah MY., Nurul EM., Norlaily MA., Indu BJ., Noorjahan BA., Soo PK., Kamarlah L. 2014. *In Vivo Antioxidant and Hypolipidemic Effects of Fermented Mung Bean on Hypercholesterolemic Mice*. Hindawi Publishing Corporation. Volume 2015
- Yeap SK., Ali NM., Yusof HM., Noorjahan BA., Boon KB., Wan YH., Soo PK., Kamariah L. 2012. *Antihyperglycemic effects of fermented and nonfermented mung bean extracts on alloxan-induced-diabetic mice*. BioMed Res Int 2012, 2012:1–7.

- Zhan S. dan Ho SC. 2005. *Meta-analysis of the effects of soy protein containing isoflavones on the lipid*. Am J Clin Nutr 2005;81:397–408.
- Zhang ST., Shi Y., Zhang SL., Shang W., Gao X.Q. dan Wang HK. 2014. *Whole soybean as probiotic lactic acid bacteria carrier food in solid-state fermentation*. Food control 41, 1–6.
- Zhaou DY., dan Shah NP. 2014. *Changes in antioxidant capacity, isoflavone profile, phenolic and vitamin contents in soymilk during extended fermentation*. LWT – Food Sci. Technol. 58, 454–462.
- Zhong CY., Sun WW., Ma Y., Zhu H., Yang P., Wei H., Zeng BH., Zhang Q., Liu Y., Li WX., Chen Y., Yu L., dan Song ZY. 2015. *Microbiota prevents cholesterol loss from the body by regulating host gene expression in mice*, Sci. Rep. 5 .2015. 10512.
- Zubik L., dan Meydani M. 2003. *Bioavailability of soybean isoflavon from aglycone and glucoside form in american women*. Am. J. Clin. Nutr. 77: 1459-1465.