

## DAFTAR PUSTAKA

- Anurogo, D. (2014). Probiotik: Problematika dan Progresivitasnya. *Medicinus*, 27(3), 46–57.
- Asni, E., Harahap, I. P., Prijanti, A. R., Wanandi, S. I., Jusman, S. W. A., Sadikin, M. (2009). Pengaruh Hipoksia Berkelanjutan Terhadap Kadar Malondialdehid, Glutation Tereduksi dan Aktivitas Katalase Ginjal Tikus. *Majalah Kedokteran Indonesia*, 59(12), 595-600
- Aurora, R. G., Sinambela, A., Noviyanti, C.H. (2012). Peran konseling berkelanjutan pada penanganan pasien hiperkolesterolemia. *Journal Indonesia Medical Association*, 62(5)
- Ayala, A., Muñoz, M. F., & Argüelles, S. (2014). Lipid peroxidation: Production, metabolism, and signaling mechanisms of malondialdehyde and 4-hydroxy-2-nonenal. *Oxidative Medicine and Cellular Longevity*, (November).
- Berawi, K.N. (2009). *Fisiologi Ginjal dan Cairan Tubuh*. Edisi 2. Bandar Lampung : Penerbit Universitas Lampung
- Bobulescu, I.A. (2010). Renal lipid metabolism and Bile Acids by the Gut Microbiota. *Pathogens*, 3, 14-24
- Bouhafs, L., Moudilou, E.N., Exbrayat, J.M., Lahouel, M., Idoui, T., 2015, Protective effects of probiotic *Lactobacillus plantarum* BJ0021 on liver and kidney oxidative stress and apoptosis induced by endosulfan in pregnant rats, *Renal Failure*, Volume 8 (37) : 1370-1378
- Charan, J. and Kantharia, N.D. (2013) How to Calculate Sample Size in Animal Studies. *Journal of Pharmacology &Pharmacotherapeutics*, 4(4):303-306
- Dahlan, S., (2014). *Statistik untuk Kedokteran dan Kesehatan Edisi 6*. Epidemiologi Indonesia. Jakarta
- Ganong, W.F. (2003). *Buku Ajar Fisiologi Kedokteran*. Edisi 22. Jakarta : EGC
- Gerard, Philippe. (2014). Metabolism of Cholesterol and Bile Acids by the Gut Microbiota. *Pathogens*, 3, 14-24

- Guarner, F., Khan, A.G., Garisch, J., Eliakim, R., Gangl, A., Thomson, A., et al. (2011). World Gastroenterology Organisation Global Guidelines: Probiotics and Prebiotics. *Journal of Clinical Gastroenterology*. 46(6): 468-481.
- Guyton, A.C., dan Hall, J.E. (2008). *Buku Ajar Fisiologi Kedokteran*. Edisi 11. Jakarta : EGC
- Hariaji, I., 2019, Khasiat Jus Buah Pepaya Terhadap Kadar Kolesterol Total dan Malondialdehida pada Tikus Hiperkolesterolemia, *Buletin Farmatera*, volume 4 (1)
- Harikumar, K., Althaf, S. A., Kishore Kumar, B., Ramunaik, M., & Suvarna, C. (2013). A Review on Hyperlipidemic. *International Journal of Novel Trends in Pharmaceutical Sciences*, 3(4), 69–80.
- Ho, E., Galougahi, K.K., Liu, C., Bhindi, R., Figtree, G.A. (2013). Biological Markers of Oxidative Stress : Applications to Cardiovasculer Research and Practice. *Redox Biology*. 1. 483-491.
- Ighodaro, O.M. dan O.A. Akinloye. 2017. First line defence antioxidants-superoxide dismutase (SOD), catalase (CAT), and glutathione peroxidase (GPX): Their Fundamental role in the entire antioxidant defence grid. *Alexandria Journal of Medicine*. 1-7
- Inyang, M.P., and Stella, O.O. (2015). Sedentary Lifestyle: Health Implications. *Journal of Nursing and Health Science*, 4(2), 20-25
- Kechagia, M., Basoulis, D., Konstantopoulou, S., Dimitriadi, D., Gyftopoulou, K., Skarmoutsou, N., Fakiri, E.M. (2013). Health Benefits of Probiotics: A review. *International Scholarly Research Nutrition*, vol.13
- Kementrian kesehatan RI. INFODATIN Pusat Data dan Informasi Kementrian Kesehatan RI Situasi Penyakit Ginjal Kronis 2017
- Kementrian kesehatan RI. INFODATIN Pusat Data dan Informasi Kementrian Kesehatan RI Aktivitas Fisik 2015
- Keputusan Menteri Ketenagakerjaan RI No 115 Tahun 2016 Tentang Penetapan Standar Kompetensi Kerja Nasional Indonesia Kategori Industri Pengolahan Golongan Pokok Industri Makanan Bidang Industri *Margarine* dan *Shortening*
- Kim, S.J., Sang H.P., Hong S.S., Seung H.J., Sang W.L., Seon Y.K., et.al. (2017).

- Hypocholesterolemic Effects of Probiotic Mixture on Diet-Induced Hypercholesterolemic Rats. *Journal of Nutrients*, Volume 9 : 293, 1-10
- Kosmas, C. E., Martinez, I., Sourlas, A., Bouza, K. V., Campos, F. N., Torres, V., Montan, P. D., Guzman, E. (2018). High Density Lipoprotein (HDL) Functionality and Its Relevance To Atherosclerotic Cardiovascular Disease. *Drugs In Context*, 7:212525
- Kumar, M., Nagpal, R., Kumar, R., Hemalatha, R., Verma, V., Kumar, A., Yadav, H. (2012). Cholesterol-lowering probiotics as potential biotherapeutics for metabolic diseases. *Experimental Diabetes Research*, 2012.
- Lusiantari, R., Pramaningtyas, M.D., Nurmasitoh, T., Pattimura, R.H., Dewanti, A., 2018, Shortening tends to increase aortic foam cell count and wall thickness in males wistar rats, *Universa Medicina*, Vol.37 (1): 13-18
- Lye, H.S., Rusul, M.T. Liong. (2010). Removal of cholesterol by Lactobacilli via incorporation and Conversion to Coprostanol. *Journal of Dairy Science*. Volume 93:4. 1.383-1.392
- Ma, H., Shieh, K. J. (2006). Cholesterol and Human Health. *The Journal of American Science*, 2(1)
- Mandriyarini, R., Sulchan, M., Nisaa, C. (2017). *Sedentary Lifestyle Sebagai Faktor Risiko Kejadian Obesitas Pada Remaja SMA Stunted Di Kota Semarang*. *Journal of Nutrition College*, 6(2), 149-155
- Mazloom, Z., Yousefinejad, A., Dabbaghmanesh, M.H., 2013, Effect of Probiotics on Lipid Profile, Glycemic Control, Insulin Action, Oxidative Stress, and Inflammatory Markers in Patients with Type 2 Diabetes: A Clinical Trial, *Journal Medical Science*, Volume 38 : 1
- Meng, Q., Shi, D., Feng, J., Su, Y., Long, Y., He, S., Wang, S., wang, Y., Zhang, X., Chen, X. (2016). Hypercholesterolemia Up-Regulates the Expression of Intermedin and Its Receptor Components in the Aorta of Rats via Inducing the Oxidative Stress, *Annals of Clinical & Laboratory Science*, 46(1), 5–17.
- Moestrup, S. K. and Nielsen, L. B. (2005). The role of the kidney in lipid metabolism. *Department of Medical Biochemistry*, 16, 301-306
- Moore K.L., Dalley A.F., Agur A.M.R., Moore M.E. (2013). *Anatomi berorientasi klinis*. Edisi ke-5. Jakarta: Erlangga

- Moore KL, Dalley AF, Agur AMR, Moore ME. (2013). *Anatomi berorientasi klinis*. Edisi ke-5. Jakarta: Erlangga
- Muriel, P., 2009, Role of Free Radicals in liver Disease, *Journal of Hepatology International*, Volume 3: 526-536
- National Heart, Lung, and Blood Institute. (2011). *ATP III Guidelines At-A-Glance Quick Desk Reference*
- Nurmasitoh, T., Pramaningtyas, M.D. 2015. Honey Improves Lipid Profile of Diet-induced Hipercholesterolemic Rats. *Universa Medicina*. 34:3. 177-186
- Ondrejovicova I., Muchova J., Mislanova C., Nagyova Z., Durackova Z. (2010). Hypercholesterolemia, Oxidative Stress and Gender Dependence in Children. *Prague Medical Report*. 111 (4), 300-312
- Parikh, M., Kirti P., Sachin S., Tejal G., 2014, Liver X Receptor: A cardinal Target For Atherosclerosis and Beyond, *Journal of Atherosclerosis and Thrombosis*, Volume 21 : 6, 519-531
- Paulina, A. J., Asni, E., Gaffar, M. (2015). Pengaruh lama pemberian diet aterogenik terhadap indeks aterogenik serum *Rattus norvegicus* strain wistar jantan. *Jurnal Online Mahasiswa Fakultas Kedokteran*, 2(2)
- Pei, M., Wei, L., Hu, S., *et al.*, 2018, Probiotics, prebiotics and synbiotic for chronic kidney disease: protocol for systematic review and meta-analysis, *British Medical Journal Open*, Volume 8:e020863
- Pontang, G. S., Johan, A., Subagio, H. W., & Gizi Indonesia, J. (2014). Efek pemberian Chlorophyllin terhadap kadar nitric oxide dan malondialdehidatikus hiperkolesterolemia, 115–120.
- Prasad, K., McNair, E.D., Qureshi, A.M., Casper-Bell, G., 2012, Vitamin E slows the progression hypercholesterolemia-induced oxidative stress in heart, liver and kidney, *Molecular and Cellular Biochemistry*, 368: 181-187
- Repetto, M., Semprine, J., Boveris, A. (2012). Lipid Peroxidation: Chemical Mecanism, Biological Implication and Analytical Determination. *Licensee InTech*
- Rini, T.P., Karim, D., dan Novayelinda, R. (2014). Gambaran Kadar Kolesterol Pasien yang Mendapatkan Terapi Bekam. *Jurnal Online Mahasiswa Pusat Studi Ilmu Keperawatan*, 1(2), 1-8

- Riyanto, S., Muwarni, H., 2015, Yogurt kedelai hitam (*black soyghurt*) dapat menurunkan kadar LDL tikus hiperkolesterolemia, *Jurnal Gizi dan Dietetik Indonesia*, 3 (1):1-9
- Rizka, S. K., Purnamadewi, Y.L., Hasanah, N. (2018). Produk roti dalam pola konsumsi pagan dan keberadaan keputusan konsumsi Masyarakat (Kasus: Kota Bogor). *Jurnal Al-Muzara'ah*, 6(1), 15-27
- Sari, D.R., Ismi D.K.H., Marisa N.F., Rena R.F., Silvi M.J. Yahdi, 2015, *Makalah Proses Pembuatan Mentega Putih (Shortening)*, Jurusan Kimia Fakultas Matematika dan Ilmu Pengetahuan, Universitas Negeri Padang
- Scherr, R.E. and Cherr, S.Z. (2016). Nutrition and Health Info Sheet : Cholesterol. *Department of Nutrition University of California*
- Schunke, M., Schulte, E., dan Schumancer, U. (2011). *Prometheus Atlas Anatomi Manusia* 3<sup>rd</sup> editio. L. Sugiharto, Y.J. Suyono, & H.O. Ong, eds., Stuttgart, Germany : Penerbit Buku EGC
- Setiawan, D.I., Tjahyono, K., Afifah, D.N. (2016). Pemberian Kecambah Kacang Kedelai Terhadap Kadar Malondialdehid (MDA) dan *Superoxide Dismutase* (SOD) tikus *Sprague Dawley* Hiperkolesterolemia. *Jurnal Gizi Klinik Indonesia* 13(1), 20-26
- Setiawan, D.I., Tjahyono, K., Afifah, D.N., Pemberian kecambah kacang kedelai terhadap kadar malondialdehid (MDA) dan *superoxide dismutase* (SOD) tikus *Sprague Dawley* hiperkolesterolemia, *Jurnal Gizi Klinik Indonesia*, Volume 13 (1): 20-26
- Sherwood, L. (2014). *Fisiologi Manusia : dari sel ke sistem*. Edisi 8. Jakarta : EGC
- Smart, N.A., Belinda J.M., Mxine D., Elie B., Janelle W., Nadine B. *et.al.*, 2011, Low Fat Diets for Acquired Hypercholesterolaemia, *The cochrane collaboration journal*, 11-23
- Snell, R. S. (2012). *Anatomi Klinis Berdasarkan Sistem*. Dialih bahasakan oleh Sugarto L. Jakarta:EGC
- Snell, R. S. (2012). *Anatomi Klinis Berdasarkan Sistem*. Dialih bahasakan oleh Sugarto L. Jakarta:EGC

- St-Onge, M., Farnworth, E.R., Jones, P.J.H., 2000, Consumption of fermented and nonfermented dairy products: effects on cholesterol concentrations and metabolism, *The American Journal of Clinical Nutrition*, No 71:674-681
- Sugiarto, M., Padaga, M. C., & Wuragil, D. K. (2012). Efek Terapi Yogurt Susu Kambing Terhadap Ekspresi Inducible Nitric Oxyde Synthase (iNOS) dan Kadar Amlondialdehida (MDA) Pada Aorta Hewan Model Tikus (*Rattus norvegicus*) Hiperkolesterolemia. *Skripsi*, Jurusan Pendidikan Kedokteran Hewan, Universitas Brawijaya
- Sy, John. 2008. A Model of Cholesterol Metabolism and Transport. Department of Bioengineering: Imperial College London
- Tortora, G. J., Derrickson, B. H. (2011). Principles of Anatomy and Physiology 13<sup>th</sup>ed.Asia : John Wiley and Sons
- Utami, K.S., Chanif M., Aulanni'am A., 2017, Potential of Lactobacillus Casei Shirota Strain Probiotic Toward Total Cholesterol Levels and SOD Activity in Rat with High Cholesterol Diet, *Journal of Molekule*, Volume 12:2, 153-158
- Vaeghese, T., Krishnakumar, K., Panayappan, L., & Jacob, R. (2017). A Review on Causes and Risk Factors of Hyperlipidemia. *International Journal Of Pharmacy and Pharmaceutical Research*, (3).
- Valko, M., Rhodes, C.J., Moncol, J., Izakovic, M., Mazur, M., 2006, Free radicals, metals and antioxidants in oxidative stress-induced cancer, *Chemico-Biological Interactions*, No 160: 1-40
- Widiyaningsih, E. N. (2011). Peran Probiotik Untuk Kesehatan. *Jurnal Kesehatan*, 4(1), 14–20.
- Winarno, F.G. (2002). *Kimia Pangan dan Gizi*. Gramedia Pustaka Utama. Jakarta.
- Winarti, S., 2011, Seleksi bakteri asam laktat isolat ASI yang berpotensi menurunkan kolesterol secara in vitro, *Skripsi*, Fakultas Teknologi Pertanian, Intitut Pertanian Bogor
- Wresdiyati, T., Ans B., Made A., 2008, The effect of Seaweed *Eucheuma cottonii* on Superoxide Dismutase (SOD) Liver of Hypercholesterolemic Rats, *Journal of Bioscience*. Volume 5:3, 1.978-3.019

- Yang, D., Lin, S., Yang, D., Wei, L., Shang, W., 2012, Effects of Short- and Long-Term Hypercholesterolemia on Contrast-Induced Acute Kidney Injury, *American Journal of Nephrology*, No 35 : 80-89
- Yuliana, D., Farmasi, F., & Indonesia, U. M. (2012). Kajian Mekanisme Hipokolesterolemik Probiotik. *Majalah Farmasi Dan Farmakologi*, 16(2), 95–98.
- Yuniastuti, A., & Semarang, U. N. (2014). PROBIOTIK (Dalam Perspektif Kesehatan ), (**October**).
- Yustika, A.R., Aulanni'am, Prasetyawan, S. (2013). Kadar Malondialdehid (MDA) dan Gambaran Histologi Ginjal Tikus Putih (*Rattus norvegicus*) Pasca Induksi *Cylosporin*. *Kimia Student Journal* 1(2), 222-228
- Zhang, Y., Du, R., Wang, L., Zhang, H., 2010. The antioxidative effects of probiotic *Lactobacillus casei* Zhang on the hyperlipidemic rats, *Eur Food Res Technol*, 231 : 151-158