

## DAFTAR PUSTAKA

- Aikawa, M., Sugiyama, S., Hill, C.C., Voglic, S.J., Rabkin, E., Fukumoto, Y., Schoen, F.J., Witztum J.L., Libby, P., 2002. Lipid Lowering Reduced Oxidative Stress and Endothelial Cell Activation in Rabbit Atheroma. *Circulation*, 106:1390-1396.
- Alberts, B., Johnson, A., Lewis, J., Raff, M., Roberts, K., Walter, P., 2008. *Molecular Biology of The cell*, fifth Edition. Garland science. Taylor & Francis Group. LLC. USA.
- Alderton, K.W., Cooper, C.E., Knowles, R.G., 2001. Nitric Oxide Synthases: Structure, Function and Inhibition. *Biochem. J.*, 57:593-615.
- Aswin, S., 2001. *Metodologi Penelitian Kedokteran*. Fakultas Kedokteran Universitas Gadjah Mada. Yogyakarta.
- Beattie, J. H., Duthie, S.J., Kwun, I., Ha, T., Gordon, M., 2009. Rapid Quantification of Aortic Lesion in ApoE <sup>-/-</sup> Mice. *Methods in Vascular Biology. J. Vasc. Res.*, 46:347-352.
- Bharran, S., Chopra, K., Rishi, P., 2010. Vitamin E Supplementation Modulated Endotoxin-induced Liver Damage in a Rat Model. *Am. J. Biomed. Sci.*, 2(1):51-62.
- Brune, B., Zhou, J., Knethen, A., 2003. Nitric oxide, oxidative stress, and apoptosis. *Kidney International*, 63(84):S22-S24.
- Catalgol, B. and Ozer, N.K., 2012. Protective effects of vitamin E against Hypercholesterolemia- induced age-related diseases. *Genes Nutr. Jan.*, 7(1):91-98.
- Chai, S.C., Arjmandi, B.H., 2011. Vitamin E dose-dependently reduces aortic fatty lesion formation in orchidectomized aged rats. *Aging Clin. Exp. Res.*, 23(1):11-16.
- Chen, C., Druhan, L.J., Varadharaj, S., Chen, Y., Zweier, J.L., 2008. Phosphorylation of Endothelial Nitric-oxide Synthase Regulates Superoxide Generation from the Enzyme. *J. Biol. Chem.*, 283(40):27038-27047.
- Cheng, C., Haperen, R., Waard, M., Damme, L.C.A., Tempel, D., Hanemaaijer, L., Cappellet, G.W.A. Bos, J. Slager, C.J. Duncker, D.J. Steen A.F.W. Crom,

- R., Krams R., 2005. Shear stress affects the intracellular distribution of eNOS: direct demonstration by a novel in vivo technique. *Am. Soc. Haematol.*, 106(12):3691- 3698.
- Coskun, O., Yakan, B., Oztas, E., Sezen, S., Gunaydin, A.A., 2000. Antioxidant and Hepatoprotective Activity of Vitamin E and EGb 761 in Experimental Endotoxemic Rats. *Turk. J. Med.Sci.*, 30:427-432.
- Davignon, J. and Ganz, P., 2004. Role of Endothelial Dysfunction in Atherosclerosis. *Circulation*, 109:III-27-III-32.
- Dutta, K. and Bishayi, B., 2009. *Escherichia coli* Lipopolysaccharide Administration Alters Antioxidant Profile During Hypercholesterolemia. *Indian J. Clin. Biochem.*, 24(2):179-183.
- Erkkila, L., 2005. Pulmonary Infection and Atherosclerosis in an Experimental Chlamydia Pneumonie model. *Academic Dissevation*, p. 23-36.
- Falk, E., 2006. Pathogenesis of Atherosclerosis. *J. Am. Coll. Cardiol.*, 47(8):7-12.
- Fauci, A.S. Kasper, D.L., Longo, D.L., Braunwald, E., Hauser, S.L., Jameson, J.L., Loscalzo, J., 2008. The Pathogenesis, Prevention, and Treatment of Atherosclerosis. *Harrison's Principles of Internal Medicine*. McGrawHill Companies, Inc. USA., p. 1501-1509.
- Fleet, J.C., Clinton, S.K., Salomon, R.N., Loppnow, H., Libby, P., 1992. Atherogenic Diets Enhance Endotoxin-Stimulated Interleukin-1 and Tumor Necrosis Factor Gene Expression in Rabbit Aortae. *J. Nutr.* 122:294-305.
- Forstegard, J., 2013. Immunity, atherosclerosis and cardiovascular disease. *Forstegard BMC Medicine*, 11:117.
- Forstermann, U., Munzel, T., 2006. Endothelial Nitric Oxide Synthase in Vascular Disease From Marvel to Menace. *Circulation*. 113:1708-1714.
- Godard, M., Decorde, K., Ventura, E., Soteras, G., Baccou, J.C., Cristol, J.P., Rouanet, J.M., 2009. Polysaccharides from the *green alga ulva rigida* improve the antioxidant status and prevent fatty streak lesions in the high cholesterol fed hamster, an animal model of nutritionally-induced atherosclerosis. *Food Chem.*, 115:176-180.

- Hajiani, M., Golestani, A., Shariftabrizi, A., Rastegar, R., Payabvash, S., Salmasi, A.H., Dehpour, A.R., Pasalar, P., 2008. Dose-dependent modulation of systemic lipid peroxidation and activity of anti-oxidant enzymes by vitamin E in the rat. *Redox Report* , 13(2):60-66.
- Hansson, G.K., 2005. Inflammation, Atherosclerosis, and Coronary Artery Disease. *N. Engl. J. Med.*, 352(16):1685-1695.
- Herman, A.G., Moncada, S., 2005. Therapeutic potential of nitric oxide donors in the prevention and treatment of atherosclerosis. *Eur. Heart J.* 26(19): 1945-1955.
- Higgins, J.P., 2003. Chlamydia Penumoniae and Coronary Artery Disease : The Antibiotic Trials. *Mayo Clin. Poc.*, 78:321-332.
- Jones, R., Baker, M., Weber, M., Searles, C., 2009. Molecular beacons can assess changes in expression and 3'-polydenylation of human eNOS mRNA. *Am. J. Physiol. Cell Physiol.*, 296 (3):C498-C504.
- Kawashima, S., Yokoyama, M., 2004. Dysfunction of Endothelial Nitric Oxide Synthase and Asherosclerosis. *Arterioscler. Thromb. Vasc. Biol.*, 24:998-1005.
- Klinger, R.Y., Niklason, L.E., 2006. Tissue Engineered Blood Vessels. Culture of cells for Tissue Engineered. Gondana Vunjak Novokovik and R.Ian Freshney. John Wiley & Sons. Inc., p. 293-322.
- Kontush, A. and Chapman, M.J., 2006. Functionally Defective High-Density Lipoprotein: A New Therapeutic Target at the Crossroads of Dyslipidemia, Inflammation, and Atherosclerosis. *Pharmacol. Rev.*, 58: 342-374.
- Loscalzo, J. & Vita, J.A., 2000. Cardiovascular Pathophysiology of NO. *Contemporary cardiology NO and Cardiovascular System*, Oryginally published by Human Press Inc. New York.
- Mahmoud, H.M., Zaki, H.F., Sherbiny, G.A., Abd El-Latif, H.A., 2014. Effects of Simvastatin and Vitamin E on Diet-induced Hypercholesterolemia in Rats. *Br. J. Pharmacol. Toxicol.*, 5(1):16-25.
- Maniatis, N.A., Brovkovich, V., Allen, S.E., John, T.A., Shajahan, A.N., Tiruppathi, C., Vogel, S.M., Skidgel, R.A., Malik, A.B., Minshall, R.D., 2006. Novel Mechanism of Endothelial Nitric Oxide Synthase Activation Mediated by Cavelae Internalization in Endothelial cells. *Circ. Res.*, 99: 870-877.

Marsono, Y., 2009. Penelitian dengan Hewan Coba. *Handout Pelatihan Pusat Studi Pangan dan Gizi, UGM*. Yogyakarta.

Martinet, W., Knaapen, M.W., Kockx, M.M., De Meyer G.R., 2007. Autophagy in cardiovascular disease. *Trends Mol. Med.*, 13(11):482-91.

Moghadasian, M.H., Frohlich, J.J., McManus, B.M., 2001. Advances in Experimental Dyslipidemia and Atherosclerosis. *Lab. Invest.*, 81(9):1173.

Munteanu, A., Zingg, J. M., Azzi, A., 2004. Anti-atherosclerotic effects of vitamin E – myth or reality? *J.Cell. Mol. Med.*, 8(1):59-76.

Murray, R.K., Bender, D.A., Botham, K.M., Kennelly, P.J., Rodwell, V.W., Weil, P.A., 2009. *Harper' S Illustrated Biochemistry*, 28<sup>th</sup> Ed. McGraw-Hill Companies Inc.

Nakashima, Y., Plump, A.S., Raines, E.W., Breslow, J.L., Ross, R. 1994. ApoE-Deficient Mice Develop Lesions of All Phases of Atherosclerosis Throughout the Arterial Tree. *Arterioscler. Thromb. Vasc. Biol.* 14:13-140.

Napoli, C., Nigris, F., Ignarro, S.W., Pignalosa, O., Sica, V., Ignarro, L.J., 2006. Nitric oxide and atherosclerosis: An update. *Nitric Oxide*. 15:265-279.

Neilsen, P.O., Zimmerman, G.A., McIntyre, T.M., 2001. *Escheria coli* Braun Lipoprotein Induces a Lipopolysaccharide-Like Endotoxic Response from Primary Human Endothelial Cells. *J. Immunol.*, 167:5231-5239.

Otunola, G.A., Oloyede, O.B., Oladiji, A.T., Afolayan, A.A., 2010. Effect of diet-induced hypercholesterolemia on the lipid profile and some enzyme activities in female wistar rats. *Afr. J. Biochem. Res.*, 4(6):149-154.

Pal, S., Thomson, A.M., Bottema, C.D., Roach, P.D., 2003. -Tocopherol modulates the low density lipoprotein receptor of human HepG2 cells. *Nutr. J.*, 2(3):66-76.

Puddu, G.M., Cravero, E., Arnone, G., Muscari, A. Puddu, P., 2005. Molecular aspect of atherogenesis: new insights and unsolved questions. *J. Biomed. Sci.*, 12:839-853.

Rimbach, J., Minihane, A.M., Majewicz, J., Fischer, A., Pallauf, J., Virgli, F., Weinberg, P.D., 2002. Regulation of cell signalling by vitamin E. *Proc. Nutr. Soc.*, 61:415-425.

Riwidikdo, H., 2008. *Stasistik Kesehatan. Belajar mudah teknik analisis data* Cendikia Press Yogyakarta.

Riskesdas, 2007. [www.scrib.com/doc/31834110/Indonesia-Riskesdas-2007](http://www.scrib.com/doc/31834110/Indonesia-Riskesdas-2007).

Rodriguez, J.A., Grau, A., Eguinoa, E., Nespereira, B., Perez-Ilzarbe, M., Arias, R., Belzunce, M.S., Paramo, J.A., Martinez-karo, D., 2002. Dietary supplementation with vitamins C and E prevents downregulation of endothelial NOS expression in Hypercholesterolemia in vivo and in vitro. *Atherosclerosis*, 165:33-40.

Rudijanto, A., 2007. The Role of Vascular Smooth Muscle cells on The pathogenesis of Atherosclerosis. *Acta Med. Indones-indones J. Intern. Med.*, 39(2): 86-93.

Sessa, W.C., 2005. Regulation of Endothelial Derived Nitric Oxide in health and disease. *Mem. Mst. Oswaldo Cruz.*, 100(I) :15-18.

Shehata, A.M., and Yousef, O.M., 2010. Physiological Studies on the Risk Factors Responsible for Atherosclerosis in Rats. *Nature and Science*, 8(5); 144-151.

Soliman, M.M., Ahmed, M.M., El-Shazly, S.A., Ismail, T.A., Attia, H.F., Elkirdasy, A.F., 2014. Effect of vitamin A and E on carbohydrate and lipid metabolism in diet-induced obese wistar rats. *Adv. Biosci. Biotechnol.*, 5:4-11.

Traber, M.G., Atkinson, J., 2007. Vitamin E, antioxidant and nothing more. *Free Radic. Biol. Med.*, 43:4-15.

Versari, D., Daghini, E., Porcel, M.R., Sattler, K., Galili, O., Pilarczyk, K., Napoli, C., Lerman, L.O., Lerman, A., 2006. Chronic Antioxidant Supplementation Impairs Coronary Endothelial Function and Myocardial Perfusion in Normal Pigs. *Hypertension*, 47:475-481.

Westerterp, M., Berbee, J.F.P., Pires, N.M.M., van Mierlo, G.J.D., Kleemann, R., Romijn, J.A., Havekes, L.M., Rensen, P.C.N., 2007. Apolipoprotein C-I Is Crucially Involved in Lipopolysaccharide-Induced Atherosclerosis Development in Apolipoprotein E-Knockout Mice. *Circulation*, 116:2173-2181.

White, C.R., Hamade, M.W., Siami, K., Chang, M.M., Mangalwadi, A., Frangos, J.A., Pearce, W.J., 2005. Maturation enhances fluid shear-induced activation of eNOS in perfused ovine carotid arteries. *Am. J. Physiol. Heart Circ. Physiol.*, 289(5):H2220-H2227.

WU, G., HAYNES, T.E., LI, H., YAN, W., MEININGER, C.J., 2001. Glutamine metabolism to glucosamine is necessary for glutamine inhibition of endothelial nitric oxide synthesis. *Biochem. J.*, 353:245-252.

Yalcin, O., Ulker, P., Yavuzer, U., Meiselman, H.J., Baskurt, O.K., 2008. Nitric oxide generation by endothelial cells exposed to shear stress in glass tubes perfused with red blood cell suspensions: role of aggregation. *Am. J. Physiol. Heart Circ. Physiol.*, 294:H2098–H2105.

Yoshida, N., Manabe, H., Terasawa, Y., Nishimura, H., Enjo, F., Nishino, H., Yoshikawa, T., 2000. Inhibitory effects of vitamin E on endothelial-dependent adhesive interactions with leucocytes induced by oxidized low density lipoprotein. *BioFactors*, 13:279-288.

Zhu, Y., Liao, H.L., Niu, X.L., Yuan, Y., Lin, T., Verna, L., Stemerman, M.B., 2003. Low density lipoprotein induced eNOS translocation to membrane caveolae: the role of RhoA activation and stress fiber formation. *Biochim. Biophys. Acta*, 1635:117-126.