

## DAFTAR PUSTAKA

Abarbanell, A M., Jeremy L Herrmann, Brent R Weill, Yue Wang, Jiangning Tan, Steven P Moberly, Jeremy W Fieget, Daniel R Meldrum. 2010. Animal Models of Myocardial and Vascular Injury. *Journal of Surgical Research* 162 (2):239-249.

Abcam. 2012. Hydrogen Peroxide Assay Kit. <http://www.abcam.com/ps/products/102/ab102500/documents/ab102500%20Hydrogen%20Peroxide%20Assay%20Kit%20Protocol%20v2%20%28website%29.pdf>. Diakses tanggal 8 Januari 2015 (17.35).

Adiputro D.L, Husnul Khotimah H., Widodo M.A., Rochmad Romdoni R., Sargowo D. 2013. Effects of ethanolic extracts of *Garcinia mangostana* fruit pericarp on oxidant-antioxidant status and foam cells in atherosclerotic rats. *Oxid Antioxid Med Sci* 2: 61-64.

Ameli, Sean., Anna Hultgradh-Nilson, Jan Nilsson. 1997. Effect of Immunization with Homologous LDL and Oxidized LDL on Early Atherosclerosis in Hypercholesterolemic Rabbits. *Atherosclerosis, Thrombosis, and Vascular Biology* 16(8):1074-1079.

Amin, K.A., Kamel, H.H., Eltawab M.A.A. 2011. The relation of high fat diet, metabolic disturbances and brain oxidative dysfunction: modulation by hydroxy citric acid. *Lipids in Health and Disease* 10:74.

Anonymous. 2015. Aorta, Atherosclerosis. <http://cai.md.chula.ac.th/chulapatho/chulapatho/systemic/cardio/gcvath02.html>. Diakses tanggal 12 Januari 2015 (19.00).

Badimon, Lina., Laura Casani, Gemma Vilahur. 2013. Chapter 10: Models for the Study of Atherosclerosis and Thrombosis. *Animal Models for the Study of Human*

Disease.Elsevier Inc. 221-239.

Bahorun, T., M A Soobrattee, V Luximon-Ramma, O I Aruoma. 2006. Free Radicals and Antioxidants in Cardiovascular Health and Disease. Internet Journal of Medical Update 1 (2): 25-41.

Boamponsem, A.G. dan Boamponsem, L. K. 2011. The Role of Inflammation in Atherosclerosis. Adv. Appl. Sci. Res. 2 (4):194-207.

Bryk D, Zapolska-Downar D, Malecki M, et al. 2011. Trans Fatty Acid Induce A Proinflammatory Response in endothelial. J Physiol Pharmacol 62: 229-238.

Bumrungpert, A., Kalpravidh, R.W., Chitchumroonchokchai, C., Chuang, C.C., West, T., Kennedy, A., et al. 2009. Xanthones from mangosteen prevent lipopolysaccharide-mediated inflammation and insulin resistance in primary cultures of human adipocytes. American Society for Nutrition.

Cai, Hua. 2005. NAD(P)H Oxidase-Dependent Self-Propagation of Hydrogen Peroxide and Vascular Disease. *Circulation research* 96(8): 818-822.

Colina-Coca, Clara., Luis M Rodriguez-Alcaca, Javier Fontecha, Diana Gonzalez-Pena, Begona de Ancos, Concepcion Sanchez-Moreno. 2014. Effects of Hypercholesterolemic Diet Enriched with Onion as Functional Ingredient on Fatty Acid Metabolism in Wistar Rats. *Food Research International* 64:546-552.

Cook-Mills, J.M., Marchese, M.E., Abdala-Valencia, H. 2011. Vascular Cell Adhesion Molecule-1 Expression and Signaling During Disease: Regulation by Reactive Oxygen Species and Antioxidants. *Antioxidant & Redox Signaling* 15 (6): 1607-1638.

Coyle, C.H. 2004. Mechanisms of H<sub>2</sub>O<sub>2</sub>-induced oxidative stress in endothelial cells. <http://ir.uiowa.edu/cgi/viewcontent.cgi?article=1302&context=etd>. Diakses tanggal 2 September 2013 (15.05).

Crowther MA. 2008. Pathogenesis of atherosclerosis. American Society of Hematology. ARKIVOC (6) 119-139.

Dweck, A.C. A review of Mangosteen (*Garcinia mangostana* Linn.) [http://www.dweckdata.com/Published\\_papers/Garcinia\\_mangostana.pdf](http://www.dweckdata.com/Published_papers/Garcinia_mangostana.pdf). Diakses tanggal 19 September 2013 (22.10).

Fernández-Sánchez, A., Madrigal-Santillán, E., Bautista, M., Esquivel-Soto, J., Morales-González, A., Esquivel-Chirino, C., et al. 2011. Inflammation, oxidative stress, and obesity. *Int. J. Mol. Sci.* 12: 3117-3132.

Fotis, L., Giannakopoulos, D., Stamogiannou, L., Xatzipsalti, M. 2012. Intercellular cell adhesion molecule-1 and vascular cell adhesion molecule-1 in children. Do they play a role in the progression of atherosclerosis? *HORMONES* 11(2):140-146.

Fung, Agnes Yim-Fong, Daniel Chuen-Chu Tam. 2010. Review On Effectiveness Of Immunohistochemical Stainings. *Journal of Hong Kong Institute Of Medical Laboratory Sciences* 12, No. 1 & 2.

Fuster, Jose J., Ana I Castillo, Carlos Zaragoza, Borja Ibanez, dan Vicente Andres. 2012. Animal Models of Atherosclerosis. *Progress in Molecular Biology and Translational Science* 105:1-23.

Galkina, E. dan Ley, K. 2007. Vascular Adhesion Molecules in Atherosclerosis. *Thromb Vasc Biol*, 27:001-010.

Guyton, A dan John E Hall. 2006. *Guyton Textbook of Physiology*. 11<sup>th</sup> edition. Elsevier Inc. USA.

Hansson, GK. 1997. Cell-Mediated Immunity in Atherosclerosis. *Journal of Cardiovascular Risk* 4(5/6): 301-311.

Held, Paul. 2010. An Introduction to Reactive Oxygen Species—Measurement of ROS in Cells. <http://www.Biottek.com/resources/articles/reactive-oxygen-species.html>. 8 Januari 2015 (12.30).

Holguin, F. dan Fitzpatrick, A. 2009. Obesity, asthma, and oxidative stress. *J Appl Physiol* 108: 754–759.

Hong Yang, L., Jackson Roberts., Ming Jian Shi., Li Chun Zhou., Billy R. Ballard., Arland Richardson, dan Zhong Mao Guo. 2004. Retardation of Atherosclerosis by Overexpression of Catalase or Both Cu/Zn-Superoxide Dismutase and Catalase in Mice Lacking Apolipoprotein E. *Circulation Research* 2004; 95;1075-1081.

Horton, Jay D., Jenifer A Cuthbert, David K Spandy. 1995. Regulation of Hepatic 7 $\alpha$  Hydroxylase Expression and Response to Dietary Cholesterol in the Rat and Hamster. *The Journal of Biological Chemistry* 270: 5381-5387.

Hsu, J. Antioxidant and Atherosclerosis. 2015. <http://www.odec.ca/projects/2009/hsuj9j2/Results.htm>. Diakses tanggal 12 Januari 2015 (14.20)

Jiang, D.J, Dai, Z., Li Y.J. 2004. Pharmacological Effects of Xanthones as Cardiovascular Protective Agents. *Cardiovascular Drug Reviews* 22(2): 91-102.

Kuan, L.C. 2012. Synthesis and Characteristic of 1,3-Dihydroxyxanthone derivatives and Their Antioxidant Activities. *Universiti Tunku Abdul Rahman*.

Malhotra, S., Shakya, G., Kumar, A., Vanhoecke, B.W., Cholli, A.L., Raji., H..G., et al. 2008. Antioxidant, Antiinflammatory and Antiinvasive Activities of Biopolyphenolics. *ARKIVOC* (4) 119-139.

Merck. Treatment of Atherosclerosis. <http://www.pharmaceutical-networking.com/merck-mk-0524b-treatment-of-atherosclerosis/>. Diakses tanggal 12 Januari 2015 (18.35).

Moghadasian, Mohammed H. 2002. Experimental Atherosclerosis A Historical Overview. *Life Science* 70:855-865.

Montero, Claudio. 2003. The Antigen–Antibody Reaction in Immunohistochemistry. *J Histochem Cytochem* 51:1–4.

Murray, Robert K., Daryl K Granner, Peter A Mayes, dan Victor W Rodwell. 2003. *Harper's Illustrated Biochemistry*. 26th edition. The McGraw-Hill Companies. USA.

Murwani, Sri., Mulyohadi Ali, dan Ketut Muliarta. 2006. Diet Aterogenik pada Tikus (*Rattus norvegicus* strain Wistar) sebagai Model Hewan Aterosklerosis. *Jurnal Kedokteran Brawijaya* 22:6-9.

Nakashima, Y., Raines, E.W., Plump A.S, Breslow, J.L., Ross, R.1998. Upregulation of VCAM-1 and ICAM-1 at Atherosclerosis-Prone Sites on the Endothelium in the ApoE-Deficient Mouse. *Arterioscler Thromb Vasc Biol*. 18:842-851.

Navab, Mohamad. 2004. The Oxidation Hypothesis of Atherogenesis: the Role of Oxidized Phospholipids and HDL. *Journal of Lipid Research* 45:993-1007.

Neish, A.S., Read, M.A., Thanos, D., Pine, R., Maniatis, T., Collins, T. 1995. Endothelial Interferon Regulatory Factor 1 Cooperates with NF- $\kappa$ B as a Transcriptional Activator of Vascular Cell Adhesion Molecule 1. *Molecular and Cellular Biology* 15 (5): 2558–2569.

Nugroho, A.E. 2011. Mangosteen (*Garcinia mangostana* L.) : From Discarded-fruit Hull to be a Candidate for a Drug. Universitas Gadjah Mada.

Orbay, H., Hong, H., Zhang, Y., Cai, W. 2013. Positron Emission Tomography Imaging of Atherosclerosis. *Theranostics* 3(11):894-902.

Pedraza-Chaverri J, Cárdenas-Rodríguez N, Orozco-Ibarra M, Pérez-Rojas JM. 2008. Medicinal Properties of Mangosteen (*Garcinia mangostana*). *Food and Chemical Toxicology* 46: 3227–3239

Pellizzon, Michael A. 2008. Diet-Induced Atherosclerosis/Hypercholesterolemia in Rodent Models. [www.researchdiets.com](http://www.researchdiets.com). Research Diets, Inc. Diakses pada 13 Maret 2014 (18.30).

Poredos, P. 2011. Markers of Preclinical Atherosclerosis and their Clinical Relevance. *The Open Atherosclerosis & Thrombosis Journal* 4: 1-10

Rindler, P.M., Plafker, S.M., Szweda, L.I., Kinter M. 2013. High Dietary Selectively Increases Catalase Expression Within Cardiac Mitochondria. *J Biol Chem*. 288(3):1979-1990.

Robinson, J. Paul., Jennifer Sturgis, George L. Kumar. 2014. Chapter 10 Immunofluorescence, IHC Staining Methods, 5<sup>th</sup> Edition year p.61-65.

Rosenblum, L. Atherosclerosis.  
<http://www.beliefnet.com/healthandhealing/getcontent.aspx?cid=12031>. Diakses tanggal 20 agustus 2013 (17.00).

Sargowo D., Senorita A., Widodo A. Peranan ekstrak kulit manggis dalam kulit manggis dalam penurunan kadar TNF- $\alpha$  dan IL-1 Pada Dislipidemia. <http://djanggan.lecture.ub.ac.id/files/2012/03/Prof-Djanggan-feat-dr.Ade-Senorita.pdf> Diakses tanggal 28 September 2013 (19.00).

Schulz, Eberhard., Elad Anter, dan John F Keaney Jr. 2004. Oxidative Stress, Antioxidants, and Endothelial Function. *Current Medicinal Chemistry* 11(9):1093-1104.

Smith, J D., J L Breslow. 1997. The Emergence of Mouse Models of Atherosclerosis and Their Relevance to Clinical Research. *Journal of Internal Medicine* 242: 99-109.

Sparks, L.M., Xie, H., Koza, R.A., Mynatt, R., Hulver, M.W., Bray, G.A. et al. 2005. A High-Fat Diet Coordinately Downregulates Genes Required for Mitochondrial Oxidative Phosphorylation in Skeletal Muscle. *Diabetes* 54 : 1926-1933.

Srinivas, Martha., Akula Annapurna, Yellu Narsimha Reddy. 2008. Anti-Atherosclerotic Effect of Atorvastatin and Clopidogrel Alone and in Combination in Rats. *Indian Journal of Experimental Biology* 46:698-703.

Sun, D., Zhang, S., Wei, Y., Yin, L. 2009. Antioxidant activity of mangostin in cell-free system and its effect on K562 leukemia cell line in photodynamic therapy. *Acta Biochim Biophys Sin* 41(12):1033-1043.

Veal, Elizabeth A., Alison M. Day, dan Brian A. Morgan. 2007. Hydrogen peroxide

sensing and signaling. *Molecular cell* 26(1):1-14.

Verges, Laurent., Jack Phan, Merav Strauss, Sherrie Tafuri, dan Karen Reue. 2003.

Cholesterol and Cholate Components of an Atherogenic Diet Induce Distinct Stages of Hepatic Inflammatory Gene Expression. *The Journal of Biological Chemistry* 278 (44):42774-42784.

Verma, Renuka., Akhtar Riaz. 2012. [http://www.ijohrr.com/vol1\\_issue1/10\\_ijohrr1.pdf](http://www.ijohrr.com/vol1_issue1/10_ijohrr1.pdf). Diakses pada 21 januari 2015 (09.35)

Vogiatzi, G., Tousoulis, D., Stefanadis C. 2009. The Role of Oxidative Stress in Atherosclerosis. *Hellenic J Cardiol.* 50: 402-409.

Wicaksono, A.B., Prijadi, B., Indra,R. Efek Pemberian Querectin terhadap Kadar H<sub>2</sub>O<sub>2</sub> (Hidrogen Peroksida) pada plasma tikus wistar dengan diet tinggi lemak.

<http://old.fk.ub.ac.id/artikel/id/filedownload/kedokteran/aji%20bayu%200610713004.pdf>. Diakses tanggal 23 agustus 2013 (12.00).

World Heart Federation. Cardiovascular disease. <http://www.world-heart-federation.org/press/fact-sheets/cardiovascular-disease-risk-factors/quick-facts-on-hypertension-high-blood-pressure/>. Diakses tanggal 9 Oktober 2013 (21.15).

World Heart Organization. Cardiovascular diseases (CVDs). <http://www.who.int/mediacentre/factsheets/fs317/en/index.html> Diakses tanggal 6 Oktober 2013 (17.30).

Yodhnu, S., Sirikaititham, A., Wattanapiromsakul. 2009. Validation of LC for the Determination of  $\alpha$ -Mangostin in Mangosteen Peel Extract: A Tool for Quality Assessment of *Garcinia mangostana* L. *Journal of Chromatographic Science* 47: 185-189.



Zerfaoui, M. Suzuki, Y., Naura, A.S., Hans, C.P., Nichols, C., Boulares, A.H. 2008. Nuclear Translocation of NF-kB is Sufficient for VCAM-1, but Not ICAM-1, Expression in TNF-stimulated Smooth Muscle Cells: Differential Requirement for PARP-1 Expression and Interaction. *Cell Signal* 20(1): 186–194.

Zhang, Q., Fu, S., Hailong, L., Liu, Y. 2013. A Novel Method for the Determination of Hydrogen Peroxide in Bleaching Effluents by Spectroscopy. *Bioresources*, 8(3): 3699-3705.

