

DAFTAR PUSTAKA

- American Heart Association, 2014. *Obesity Information*, (Online), (http://www.heart.org/HEARTORG/GettingHealthy/WeightManagement/Obesity/Obesity-Information_UCM_307908_Article.jsp#.VlxJ5vkrK00), diakses 23 Oktober 2015)
- Armstrong, J.S., Steinauer, K.K., Hornung, B., Irish, J.M., Lecane, P., Birrell, G.W., et al., 2002. Role of glutathione depletion and reactive oxygen species generation in apoptotic signaling in a human B lymphoma cell line. *Cell death and differentiation*, 9(3), pp.252-263.
- Bays, Blonde L dan Rosenson R. 2006. Adiposopathy: how do diet, exercise and weight loss drug therapies improve metabolic disease in overweight patients?. *Expert Rev Cardiovasc Ther*, 4(6): 871-95.
- Bays, H. E. 2009. "Sick fat," metabolic disease, and atherosclerosis. *The American journal of medicine*, 122(1), S26-S37.
- Bays, H. E. 2011. Adiposopathy: is "sick fat" a cardiovascular disease?. *Journal of the American College of Cardiology*, 57(25), 2461-2473.
- Bays,H., Abate, N., Chandalia, M. 2005. *Adiposopathy : Sick Fat Causes High Blood Sugar, High Blood Pressure and Dyslipidemia*. Future Cardiology 1 (1) : 39-59
- Berg, A. H., Ying L., Michael P., Lisanti, and Philipp E. S. 2004. Adipocyte Differentiation Induces Dynamic Changes in NF- κ B Expression and Activity. *Am J Physiol Endocrinol Metab* 287 : E1178-E1188.
- Blüher, M. 2009. *Adipose tissue dysfunction in obesity. Experimental and clinical endocrinology & diabetes: official journal, German Society of Endocrinology [and] German Diabetes Association*, 117(6), 241-250.
- Dandona P, Aljada A, Bandyopadhyay A. 2003. Inflammation: the link between insulin resistance, obesity and diabetes. *Trends Immunol* (2004) 25(1):4-710.1016/j.it.2003.10.013
- Davey, M. W., Stals, E., Panis, B., Keulemans, J., Swennen, R.L. 2005. High-throughput determination od malondialdehyde in plant tissues. *Analytical Biochemistry* 347 (2): 201-207
- Del Rio, D., Stewart A. J., Pellegrini N. 2005. A review of recent studies on malondialdehyde as toxic molecule and biological marker of oxidative stress. *Nutr Metab Cardiovasc Dis* 15(4): 316-28

- Denkers, E. Y., & Striepen, B. 2008. Deploying parasite profilin on a mission of invasion and danger. *Cell host & microbe*, 3(2), 61-63.
- Després, J. P., & Lemieux, I. 2006. Abdominal obesity and metabolic syndrome. *Nature*, 444(7121), 881-887.
- Dharmana, E., 2007. *Toxoplasma Gondii-Musuh Dalam Selimut*, (Online), (<http://eprints.undip.ac.id/318/>, diakses 25 Oktober 2016)
- Dubey, J.P., 2016. *Toxoplasmosis of animals and humans*. USA : CRC press.
- Elsheikha, H. M., El-Motayam, M. H., Abouel-Nour, M. F., & Morsy, A. T. 2009. Oxidative stress and immune-suppression in Toxoplasma gondii positive blood donors: implications for safe blood transfusion. *Journal of the Egyptian Society of Parasitology*, 39(2), 421-428.
- Farmer, E. E., & Davoine, C. 2007. Reactive electrophile species. *Current opinion in plant biology*, 10(4), 380-386.
- Furukawa, S., Takuya F., Michio S., Masanori I., Yukio Y., Yoshimitsu N., et al. 2004. Increased oxidative stress in obesity and its impact on metabolic syndrome. *Journal of Clinical Investigation*. 114, no. 12 : 1752-1761.
- Gallagher, D., Heymsfield S. B., Heo M., Jebb S. A., Murgatroyd P. R., Sakamoto Y. 2000. Healthy percentage body fat ranges: an approach for developing guidelines based on body mass index. *Am J Clin Nutr*. Sep. 72(3):694-701.
- Gigley, J. P., Fox B. A., Bzik D. J. 2009. Cell-mediated immunity to *Toxoplasma gondii* develops primarily by local Th1 host immune responses in the absence of parasite replication. *J Immunol* 182(2):1069–78
- Gold, A., 2015. US obesity rates 'rising for first time since 2004'. British Broadcasting Company. <http://www.bbc.com/news/world-us-canada-34802263>
- Gregor, M. F., Hotamisligil G. S. 2011. Inflammatory mechanisms in obesity. *Annu Rev Immunol* 29:415–4510.1146/annurev-immunol-031210-101322
- Gunning, P.W., Ghostdastider U., Whitaker S., Popp D., Robinson R. C. 2015. The evolution of compositionally and functionally distinct actin filaments. *Journal of Cell Science* 128 (11): 2009-19
- Indra, M. R., T. E. Hernowati, Satuman, E. Widodo. 2010. *Kultur Adiposit Dan Pemeriksaan Adipositokin Jilid II*. Malang : Laboratorium Ilmu Faal Fakultas Kedokteran Universitas Brawijaya.
- Iskandar, A., M. Rasyad I., Satuman. 2011. PROFILIN SEBAGAI BIOMARKER DISFUNGSI ADIPOSIT (Studi hubungan disfungsi adiposit dengan infeksi toxoplasma gondii pada individu obes). *LPPM UB*.

- Jia, K.S., Xiang, L., Chean, J.X., Lu and Y.M., Wu. 2002. Epidemiological Study on Obesity and Its Comorbidities in Urban Chinese Older Than 20 Years of Age in Shanghai, China. *Obesity Reviews*, 3 : 157 – 165.
- Kaneto, H., Yoshihisa N., Dan K., Takeshi M., Taka-aki M., Munehide M., et al. 2006. Role of oxidative stress, endoplasmic reticulum stress, and c-Jun N-terminal kinase in pancreatic β -cell dysfunction and insulin resistance. *The international journal of biochemistry & cell biology* 38, no. 5 : 782-793.
- Karaman, U., Celik, T., Kiran, T.R., Colak, C. and Daldal, N.U., 2008. *Malondialdehyde, glutathione, and nitric oxide levels in Toxoplasma gondii seropositive patients*. The Korean journal of parasitology, 46(4), pp.293-295.
- Kehrer, J.P., 2008. Free radicals as mediators of tissue injury and disease. *Critical reviews in toxicology*.
- Kim, J. K., M. Dodson M., Stephen F. P., Odile D. P., Franck MJ., Susanne N., et al. 2000. Redistribution of substrates to adipose tissue promotes obesity in mice with selective insulin resistance in muscle. *Journal of Clinical Investigation* 105, no. 12 : 1791.
- Koltas IS, Yucebilgic G, Bilgin R, Parsak CK, Sakman G. 2006. Serum malondialdehyde level in patients with cystic echinococcosis. *Saudi Med J* ; 27: 1703-1705.
- Lauw, F. N., Caffrey, D. R., & Golenbock, D. T. 2005. Of mice and man: TLR11 (finally) finds profilin. *Trends in immunology*, 26(10), 509-511.
- Lecumberri, E., Goya, L., Mateos, R., Alía, M., Ramos, S., Izquierdo-Pulido, M. and Bravo, L., 2007. A diet rich in dietary fiber from cocoa improves lipid profile and reduces malondialdehyde in hypercholesterolemic rats. *Nutrition*, 23(4), pp.332-341.
- Lushchak, V.I., 2011. Environmentally induced oxidative stress in aquatic animals. *Aquatic Toxicology*, 101(1), pp.13-30.
- Lustig, R. H., Sen, S., Soberman, J. E., & Velasquez-Mieyer, P. A. 2004. Obesity, leptin resistance, and the effects of insulin reduction. *International journal of obesity*, 28(10), 1344-1348.
- Marí, M., Morales, A., Colell, A., García-Ruiz, C. and Fernández-Checa, J.C., 2009. Mitochondrial glutathione, a key survival antioxidant. *Antioxidants & redox signaling*, 11(11), pp.2685-2700.
- Martin, A. M., Liu T., Lynn B. C., Sinai A. P. 2007. The *Toxoplasma gondii* parasitophorous vacuole membrane: transactions across the border. *J Eukaryot Microbiol*. 54(1):25-8.

- Mogensen, T.H., 2009. Pathogen recognition and inflammatory signaling in innate immune defenses. *Clinical microbiology reviews*, 22(2), pp.240-273.
- Mordue, D. G., Monroy, F., La Regina, M., Dinarello, C. A., & Sibley, L. D. 2001. Acute toxoplasmosis leads to lethal overproduction of Th1 cytokines. *The Journal of Immunology*, 167(8), 4574-4584.
- Mottillo, S., Filion, K. B., Genest, J., Joseph, L., Pilote, L., Poirier, P., et.al. 2010. The metabolic syndrome and cardiovascular risk: a systematic review and meta-analysis. *Journal of the American College of Cardiology*, 56(14), 1113-1132.
- Na, H. N., & Nam, J. H. 2011. Infectobesity: a new area for microbiological and virological research. *Journal of Bacteriology and Virology*, 41(2), 65-76.
- National Geographic Indonesia, 2014. *Jumlah Orang Obesitas di Indonesia Terus Meningkat*, (Online), (<http://nationalgeographic.co.id/berita/2014/06/jumlah-orang-obesitas-di-indonesia-terus-meningkat>, diakses 23 Oktober 2015)
- National Heart, Lung, and Blood Institute, 2012. *What Causes Overweight and Obesity?*, (Online), (<https://www.nhlbi.nih.gov/health/healthtopics/topics/obe/causes>, diakses 24 Oktober 2015)
- Olusi, S. O. 2002. *Obesity is an independent risk factor for plasma lipid peroxidation and depletion of erythrocyte cytoprotective enzymes in humans*. *International journal of obesity and related metabolic disorders: journal of the International Association for the Study of Obesity*, 26(9), 1159-1164.
- Ozata, M., Mergen, M., Oktenli, C., Aydin, A., Sanisoglu, S. Y., Bolu, E., et al. 2002. Increased oxidative stress and hypozincemia in male obesity. *Clinical biochemistry*, 35(8), 627-631.
- Pasarica, M., & Dhurandhar, N. V. 2007. Infectobesity: obesity of infectious origin. *Advances in food and nutrition research*, 52, 61-102.
- Peerapatdit, T. and Sriratanasathavorn, C., 2010. Lipid peroxidation and antioxidant enzyme activities in erythrocytes of type 2 diabetic patients. *J Med Assoc Thai*, 93(6), pp.682-93.
- Pittas, A. G., Joseph, N. A., & Greenberg, A. S. 2004. HOT TOPIC. *The Journal of Clinical Endocrinology & Metabolism*, 89(2), 447-452.
- Plattner, F., Yarovinsky, F., Romero, S., Didry, D., Carlier, M. F., Sher, A., et al. 2008. Toxoplasma profilin is essential for host cell invasion and TLR11-dependent induction of an interleukin-12 response. *Cell host & microbe*, 3(2), 77-87.
- Priceman S. J., Kujawski M., Shen S., Cherryholmes G. A., Lee H., Zhang C., et al. 2013. Regulation of adipose tissue T cell subsets by Stat3 is crucial for

- diet-induced obesity and insulin resistance. *Proc Natl Acad Sci U S A* 110(32):13079–8410.1073/pnas.1311557110
- Pryor, W. ed., 2012. *Free radicals in biology* (Vol. 6). Elsevier.
- Rawe, V.Y., Payne, C. and Schatten, G., 2006. Profilin and actin-related proteins regulate microfilament dynamics during early mammalian embryogenesis. *Human Reproduction*, 21(5), pp.1143-1153.
- Reeves, G. M., Sara M., Soren S., Patricia L., Ina G., Annette M. H., et al. 2013. A positive association between *T. gondii* seropositivity and obesity. *Frontiers in public health* 1.
- Remington, J.S., McLeod, R., Thulliez, P., and Desmonts, G. 2001. *Toxoplasmosis*. In : Remington, J.S. and Klein, J. (eds) *Infectious Diseases of The Fetus and Newborn Infant*, 5th edn. Philadelphia, PA: W.B. Saunders, pp. 205-346.
- Robert-Gangneux, F. and Dardé, M.L., 2012. Epidemiology of and diagnostic strategies for toxoplasmosis. *Clinical microbiology reviews*, 25(2), pp.264-296.
- Rocha V. Z., Folco E. J., Sukhova G., Shimizu K., Gotsman I., Vernon A. H., et al. 2008. Interferon-gamma, a Th1 cytokine, regulates fat inflammation: a role for adaptive immunity in obesity. *Circ Res* 103(5):467–7610.1161/CIRCRESAHA.108.177105
- Sudjari, S., Susanto, H. and Indra, R., 2015. Adiposopathy In Vitri Study The Effect of Toxoplasma Gondii Profilin Induction To The Expression of IL-6 and TNF- α as A Predictor Candidate of Adipocyte Dysfunction on Subcutan Adipocyte Culture. *Research Journal of Life Science*, 2(1), pp. 08-15.
- Suwanti, L. T. 2006. Respons Imun Seluler Plasenta terhadap Infeksi Toxoplasma gondii pada Berbagai Umur Kebuntingan Mencit (*Mus musculus*). *Media Kedokteran Hewan*, 22(3).
- Tchernof, A., & Després, J. P. 2013. Pathophysiology of human visceral obesity: an update. *Physiological reviews*, 93(1), 359-404.
- Trinchieri, G. 2003. Interleukin-12 and the regulation of innate resistance and adaptive immunity. *Nature Reviews Immunology*, 3(2), 133-146.
- Vyas, A. 2013. Parasite-augmented mate choice and reduction in innate fear in rats infected by *Toxoplasma gondii*. *J. Exp. Biol.* 216, 120-126.
- Wang Q., Perrard X. D., Perrard J. L., Mansoori A., Raya J. L., Hoogeveen R., et al. 2011. Differential effect of weight loss with low-fat diet or high-fat diet restriction on inflammation in the liver and adipose tissue of mice with diet-induced obesity. *Atherosclerosis* 219(1).

- Weiss, L. M., Kami K. 2007. TOXOPLASMA GONDII –The Model Apicomplexan : Perspective and Methods. London : Elsevier
- World Health Organization. *Obesity and overweight*, (Online), (<http://www.who.int/mediacentre/factsheets/fs31/en/>, diakses 23 Oktober 2015)
- Yarmola, E. G., & Bubb, M. R. 2006. Profilin: emerging concepts and lingering misconceptions. *Trends in biochemical sciences*, 31(4), 197-205.
- Yarovinsky, F., Zhang, D., Andersen, J. F., Bannenberg, G. L., Serhan, C. N., Hayden, M. S., et al. 2005. TLR11 activation of dendritic cells by a protozoan profilin-like protein. *Science*, 308(5728), 1626-1629.
- Yazar, S., Kilic, E., Saraymen, R., & Sahin, I. 2003. Serum malondialdehyde levels in Toxoplasma seropositive patients. *Annals of Saudi medicine*, 23(6), 413-415.
- Yuan, F., Liu, Z. Z., Zhang, B., Cao, J. P., Zheng, K. Y., & Wang, D. G. 2015. Prokaryotic Expression and Immunoreactivity Analysis on Profilin of Toxoplasma gondii. *Zhongguo ji sheng chong xue yu ji sheng chong bing za zhi= Chinese journal of parasitology & parasitic diseases*, 33(1), 21-24.