



DAFTAR PUSTAKA

- Babaei, Z., Moslemi, D., Parsian, H., Khafri, S., Pouramir, M., & Mosapour, A. (2015). Relationship of obesity with serum concentrations of leptin, CRP and IL-6 in breast cancer survivors. *J Egypt Natl Canc Inst*, 27(4), 223–229. <https://doi.org/10.1016/j.jnci.2015.09.001>
- Barsh, G. S., Farooqi, I. S., & O’Rahilly, S. (2000). Genetics of body-weight regulation. *Nature*, 404(6778), 644–651. <https://doi.org/10.1038/35007519>
- Bastard, J., Jardel, C., Bruckert, E., Blondy, P., Capeau, J., Laville, M., & Et, A. (2016). Elevated Levels of Interleukin 6 Are Reduced in Serum and Subcutaneous Adipose Tissue of Obese Women after Weight Loss. *J Clin Endocrinol Metab*, 85(9), 3338–3342.
- Bo, L., Yi-can, Y., Qing, Z., Xiao-Hui, W., Ke, H., & Chao-Chun, Z. (2017). Elevated tumour necrosis factor α was associated with intima thickening in obese children. *J Eng Appl Sci*, 12(10), 3218–3221. <https://doi.org/10.1111/ijlh.12426>
- Deurenberg, P., Deurenberg-Yap, M., & Guricci, S. (2002). Asians are different from Caucasians and from each other in their body mass index/body fat per cent relationship. *Obes Rev*, 3(3), 141–146. <https://doi.org/10.1046/j.1467-789X.2002.00065.x>
- Eder, K., Baffy, N., Falus, A., & Fulop, A. K. (2009). The major inflammatory mediator interleukin-6 and obesity. *Inflamm Res*, 58(11), 727–736. <https://doi.org/10.1007/s00011-009-0060-4>
- Emanuela, F., Grazia, M., Marco, D. R., Maria Paola, L., Giorgio, F., & Marco, B. (2012). Inflammation as a link between obesity and metabolic syndrome. *J Clin Nutr Metab*, 2012, 1–7. <https://doi.org/10.1155/2012/476380>
- Erta, M., Quintana, A., & Hidalgo, J. (2012). Interleukin-6, a major cytokine in the central nervous system. *Int J Biol Sci*, 8(9), 1254–1266. <https://doi.org/10.7150/ijbs.4679>
- Gabay, C. (2006). Interleukin-6 and chronic inflammation. *Arthritis Res Ther*, 8(SUPPL. 2), 1–6. <https://doi.org/10.1186/ar1917>
- Gallistl, S., Sudi, K. M., Aigner, R., & Borkenstein, M. (2001). Changes in serum interleukin-6 concentrations in obese children and adolescents during a weight reduction program. *Int J Obes Relat Metab Disord*, 25(11), 1640–1643. <https://doi.org/10.1038/sj.ijo.0801808>
- He, Q., Horlick, M., Thornton, J., Wang, J., Pierson, R. N., Heshka, S., & Gallagher, D. (2002). Sex and race differences in fat distribution among Asian, African-American, and Caucasian prepubertal children. *J Clin Endocrinol Metab*, 87(5), 2164–2170. <https://doi.org/10.1210/jcem.87.5.8452>



- Katsume, A., Saito, H., Yamada, Y., Yorozu, K., Ueda, O., Akamatsu, K. I., ... Ohsugi, Y. (2002). Anti-interleukin 6 (IL-6) receptor antibody suppresses Castleman's disease like symptoms emerged in IL-6 transgenic mice. *Cytokine*, 20(6), 304–311. <https://doi.org/10.1006/cyto.2002.2012>
- Kaya, A., Koçyiğit, C., Çatlı, G., Özkan, E. B., & Dündar, B. N. (2017). The Relationship Between Glycemic Variability and Inflammatory Markers in Obese Children with Insulin Resistance and Metabolic Syndrome. *J Clin Res Pediatr E*, 9(3), 202–207. <https://doi.org/10.4274/jcrpe.4031>
- Kelly, A. S., Steinberger, J., Kaiser, D. R., Olson, T. P., Bank, A. J., & Dengel, D. R. (2006). Oxidative stress and adverse adipokine profile characterize the metabolic syndrome in children. *J Cardiometab Syndr*, 1(4), 248–252. <https://doi.org/10.1111/j.1559-4564.2006.05758.x>
- Kementerian Kesehatan Republik Indonesia. (2013). *Riset Kesehatan Dasar*.
- Kumar, H., Kawai, T., & Akira, S. (2011). Pathogen recognition by the innate immune system. *International Reviews of Immunology*, 30(1), 16–34. <https://doi.org/10.3109/08830185.2010.529976>
- Lean, M. E. J., Han, T. S., & Morrison, C. E. (1995). Waist circumference as a measure for indicating need for weight management. *BMJ*, 311(6998), 158–161. <https://doi.org/10.1136/bmj.311.6998.158>
- Nemet, D., Wang, P., Funahashi, T., Matsuzawa, Y., Tanaka, S., Engelman, L., & Cooper, D. M. (2003). Adipocytokines, body composition, and fitness in children. *Pediatr Res*, 53(1), 148–152. <https://doi.org/10.1203/01.PDR.0000039766.53698.3D>
- Park, H. S., Park, J. Y., & Yu, R. (2005). Relationship of obesity and visceral adiposity with serum concentrations of CRP, TNF- α and IL-6. *Diabetes Res Clin Pract*, 69(1), 29–35. <https://doi.org/10.1016/j.diabres.2004.11.007>
- Popko, K., Gorska, E., Stelmazczyk-Emmel, A., Plywaczewski, R., Stoklosa, A., Gorecka, D., & Et, A. (2010). Proinflammatory cytokines il-6 and tnf- α and the development of inflammation in obese subjects. *New Eng J Med*, 120–122. <https://doi.org/10.1056/NEJM199802123380706>
- Scheller, J., Chalaris, A., Schmidt-Arras, D., & Rose-John, S. (2011). The pro- and anti-inflammatory properties of the cytokine interleukin-6. *BBA-Mol Cell Res*, 1813(5), 878–888. <https://doi.org/10.1016/j.bbamcr.2011.01.034>
- Simpson, R. J., Hammacher, A., Smith, D. K., Hews, J. M. M., & Ward, L. D. (1997). Interleukin-6 : Structure-function relationships. *Pro Sci*, 6, 929–955.
- Sopiyudin, D. (2010). Besar Sampel dan Cara Pengambilan Sampel dalam Penelitian Kedokteran dan Kesehatan.
- Takumansang, R., Warouw, S. M., & Lestari, H. (2013). Interleukin-6 and insulin resistance in obese adolescent. *Paediatric Indones*, 53(5), 268–272.
- Tanaka, T., Narazaki, M., & Kishimoto, T. (2014). IL-6 in Inflammation, Immunity, and Disease. *Cold Spring Harb Perspect Biol*, 6,1-16.



<https://doi.org/10.1101/cshperspect.a016295>

- Todd, J., Simpson, P., Estis, J., Torres, V., & Wub, A. H. B. (2013). Reference range and short- and long-term biological variation of interleukin (IL)-6, IL-17A and tissue necrosis factor-alpha using high sensitivity assays. *Cytokine*, 64(3), 660–665. <https://doi.org/10.1016/j.cyto.2013.09.018>
- Ursu, R. I. (2013). Obesity , a Gene Review. *Bull Transyl Univ Brasov*, 6(55), 1–8.
- Wallenius, V., Wallenius, K., Ahrén, B., Rudling, M., Carlsten, H., Dickson, S. L., & Et, A. (2002). Interleukin-6-deficient mice develop mature-onset obesity. *Nature Medicine*, 8(1), 75–79. <https://doi.org/10.1038/nm0102-75>
- Wang Thornton JC, Russell M, Burastero S, Heymsfield S, Pierson RN Jr., J. (1994). Asians have lower body mass index (BMII) but higher percent body fat than do whites: comparison of anthropometric measurements. *Am J Clin Nutr*, 60(February), 23–28. <https://doi.org/http://dx.doi.org/10.1108/17506200710779521>
- Weiss, R., Durzia, J., Burgert, T., Tamborlane, W. V, Taksali, S. E., Yeckel, C. W., & Et, A. (2004). Obesity and the Metabolic Syndrome in Children and Adolescents. *New Eng J Med*, 350(23), 2362–2374.
- World Health Organization. (2015). Obesity and overweight.
- Yeste, D., Vendrell, J., Tomasini, R., Broch, M., Gussinye, M., Megia, A., & Carrascosa, A. (2007). Interleukin-6 in Obese Children and Adolescents With and Without Glucose Intolerance. *Diabetes Care*, 30(7), 1892–1894. <https://doi.org/10.2337/dc06-2289>.Abbreviations
- Yu, Z., Han, S., Cao, X., Zhu, C., Wang, X., & Guo, X. (2012). Genetic polymorphisms in adipokine genes and the risk of obesity: A systematic review and meta-analysis. *Obes J*, 20(2), 396–406. <https://doi.org/10.1038/oby.2011.148>