

DAFTAR PUSTAKA

- Astiz, M., & Oster, H. (2019). GLUT12—A promising new target for the treatment of insulin resistance in obesity and type 2 diabetes. *Acta Physiologica*, 226(4), 5–6. <https://doi.org/10.1111/apha.13329>
- American Diabetes Association. (2021). 2. Classification and diagnosis of diabetes: standards of medical care in diabetes—2021. *Diabetes Care*, 44(Supplement_1), S15-S33
- Aydin, S. (2015). A short history, principles, and types of ELISA, and our laboratory experience with peptide/protein analyses using ELISA. *Peptides*, 72, 4-15
- Balaha, M. F., Almalki, Z. S., Alahmari, A. K., Ahmed, N. J., & Balaha, M. F. (2022). AMPK/mTOR-driven autophagy & Nrf2/HO-1 cascade modulation by amentoflavon ameliorates indomethacin-induced gastric ulcer. *Biomedicine and Pharmacotherapy*, 151. <https://doi.org/10.1016/j.biopha.2022.113200>
- Chadt, A., & Al-Hasani, H. (n.d.). *Glucose transporters in adipose tissue, liver, and skeletal muscle in metabolic health and disease*. <https://doi.org/10.1007/s00424-020-02417-x>/Published
- DiPiro, B. G. W. J. T., & DiPiro, T. L. S. C. V. (2015). *Pharmacotherapy Handbook Ninth Edition*, Barbara G. Wells, PharmD, FASHP, FCCP, 2015 by McGraw-Hill Education. McGraw-Hill Education
- Endokrinologi Indonesia. (2021). *PEDOMAN PENGELOLAAN DAN PENCEGAHAN DIABETES MELLITUS TIPE 2 DEWASA DI INDONESIA-2021 PERKENI i Penerbit PB. PERKENI*.
- G Galicia-Garcia, U., Benito-Vicente, A., Jebari, S., Larrea-Sebal, A., Siddiqi, H., Uribe, K. B., Ostolaza, H., & Martín, C. (2020). Pathophysiology of type 2 diabetes mellitus. In *International Journal of Molecular Sciences* (Vol. 21, Issue 17, pp. 1–34). MDPI AG. <https://doi.org/10.3390/ijms21176275>
- Guyton A. C., Hall J. E. 1997. *Buku Ajar Fisiologi Kedokteran*. Edisi 9. Jakarta : EGC. P. 208 – 212, 219 – 223, 277 – 282, 285 – 287.
- Hsieh, S. K., Lin, H. Y., Chen, C. J., Jhuo, C. F., Liao, K. Y., Chen, W. Y., & Tzen, J. T. (2020). Promotion of myotube differentiation and attenuation of muscle atrophy in murine C2C12 myoblast cells treated with teaghrelin. *Chemicobiological Interactions*, 315, 10889
- Huang, B., Jiao, Y., Zhu, Y., Ning, Z., Ye, Z., Li, Q. X., & Wang, C. (2021). Mdfi promotes C2C12 cell differentiation and positively modulates fast-to-slow twitch muscle fiber transformation. *Frontiers in Cell and Developmental Biology*, 9, 605875

- International Diabetes Federation. (2021). *IDF Diabetes Atlas 10th edition*.
www.diabetesatlas.org
- Kumar, P., Nagarajan, A., & Uchil, P. D. (2018). *Analysis of cell viability by the MTT assay*. *Cold spring harbor protocols*, 2018(6), pdb-prot095505
- Matsuzaka, T., & Shimano, H. (2012). GLUT12: A second insulin-responsive glucose transporters as an emerging target for type 2 diabetes. In *Journal of Diabetes Investigation* (Vol. 3, Issue 2, pp. 130–131).
<https://doi.org/10.1111/j.2040-1124.2011.00177.x>
- Moustogiannis, A., Philippou, A., Taso, O., Zevolis, E., Pappa, M., Chatzigeorgiou, A., & Koutsilieris, M. (2021). The effects of muscle cell aging on myogenesis. *International Journal of Molecular Sciences*, 22(7), 3721
- Purcell, S. H., Aerni-Flessner, L. B., Willcockson, A. R., Diggs-Andrews, K. A., Fisher, S. J., & Moley, K. H. (2011). Improved insulin sensitivity by GLUT12 overexpression in mice. *Diabetes*, 60(5), 1478–1482. 11
<https://doi.org/10.2337/db11-0033>
- Sattler L., Zerban F.W., (1950) *Limitation of Anthrone Test for Carbohydrates*, Brooklyn College. Vol 72. The New York Sugar Trade Laboratory
- Su, C., Yang, C., Gong, M., Ke, Y., Yuan, P., Wang, X., Li, M., Zheng, X., & Feng, W. (2019). Antidiabetic activity and potential mechanism of amentoflavon in diabetic mice. *Molecules*, 24(11). <https://doi.org/10.3390/molecules24112184>
- Sun, Q., Zhen, P., Li, D., Liu, X., Ding, X., & Liu, H. (2022). Amentoflavon promotes ferroptosis by regulating reactive oxygen species (ROS) /5'AMP-activated protein kinase (AMPK)/mammalian target of rapamycin (mTOR) to inhibit the malignant progression of endometrial carcinoma cells. *Bioengineered*, 13(5), 13269–13279.
<https://doi.org/10.1080/21655979.2022.2079256>
- Tonder, A., Joubert, A. M., & Cromarty, A. D. (2015). Limitations of the 3-(4, 5-dimethylthiazol-2-yl)-2, 5-diphenyl-2H-tetrazolium bromide (MTT) assay when compared to three commonly used cell enumeration assays. *BMC Research Notes*, 8, 1-10
- Turcotte, L. P., & Fisher, J. S. (2008). Skeletal muscle insulin resistance: Roles of fatty acid metabolism and exercise. In *Physical Therapy* (Vol. 88, Issue 11, pp. 1279–1296). <https://doi.org/10.2522/ptj.20080018>
- Twarużek, M., Zastempowska, E., Soszczyńska, E., & Altyń, I. (2019). The use of in vitro assays for the assessment of cytotoxicity on the example of MTT test.
- Waller, A. P., George, M., Kalyanasundaram, A., Kang, C., Periasamy, M., Hu, K., & Lacombe, V. A. (2013). GLUT12 functions as a basal and insulin-independent glucose transporter in the heart. *Biochimica et Biophysica Acta* -

Molecular Basis of Disease, 1832(1), 121–127.
<https://doi.org/10.1016/j.bbadis.2012.09.013>

- Whelan, A., & Woodley, M. (1995). *Pedoman Pengobatan*. Diterjemahkan oleh: Santoso, B., Baiquni
- White, M. A., Tsouko, E., Lin, C., Rajapakshe, K., Spencer, J. M., Wilkenfeld, S. R., Vakili, S. S., Pulliam, T. L., Awad, D., Nikolos, F., Reddy Katreddy, R., Abraham Kaiparettu, B., Sreekumar, A., Zhang, X., Cheung, E., Coarfa, C., & Frigo, D. E. (2018). GLUT12 promotes prostate cancer cell growth and is regulated by androgens and CaMKK2 signaling. *Endocrine-Related Cancer*, 25(4), 453–469. <https://doi.org/10.1530/ERC-17-0051>
- Wilson-O'Brien, A. L., DeHaan, C. L., & Rogers, S. (2008). Mitogen-stimulated and rapamycin-sensitive glucose transporter 12 targeting and functional glucose transport in renal epithelial cells. *Endocrinology*, 149(3), 917–924. <https://doi.org/10.1210/en.2007-0985>
- Wood, I. S., & Trayhurn, P. (2003). Glucose transporters (GLUT and SGLT): expanded families of sugar transport proteins. *British Journal of Nutrition*, 89(1), 3-9
- Xiong, X., Tang, N., Lai, X., Zhang, J., Wen, W., Li, X., Li, A., Wu, Y., & Liu, Z. (2021). Insights Into Amentoflavon: A Natural Multifunctional Biflavonoid. In *Frontiers in Pharmacology* (Vol. 12). Frontiers Media S.A. <https://doi.org/10.3389/fphar.2021.768708>
- Zheng, X., Ke, Y., Feng, A., Yuan, P., Zhou, J., Yu, Y., Wang, X., & Feng, W. (2016). The mechanism by which amentoflavon improves insulin resistance in HepG2 Cells. *Molecules*, 21(5). <https://doi.org/10.3390/molecules21050624>