



DAFTAR PUSTAKA

- Anthony, K. P., & Saleh, M. A. 2013. Free Radical Scavenging and Antioxidant Activities of Silymarin Components. *Antioxidants*. 2: 398–407.
- Arvindekar, A., More, T., Payghan, P. V, Laddha, K., Ghoshal, N., and Arvindekar, Akalpita, 2015. Evaluation of anti-diabetic and alpha glucosidase inhibitory action of anthraquinones from *Rheum emodi*. *Food & function*, 6: 2693–700.
- Ashraf, M.A., Maah, M.J., and Yusoff, I., 2010. Estimation of antioxidant Phytochemicals in four different varieties of durian (*Durio zibethinus* Murray) Fruit. *Middle-East Journal of Scientific Research*, 6: 465–471.
- Bathula, C., Mamidala, R., Thulluri, C., Agarwal, R., Jha, K.K., and Munshi, P., 2015. Substituted furopyridinediones as novel inhibitors of alpha-glucosidase. *RSC Advances*, 5: 90374–90385.
- Bischoff, H., 1994. Pharmacology of alpha-glucosidase inhibition. *European Journal of Clinical Investigation*, 24 Suppl 3: 3–10.
- BLOIS, M.S., 1958 Nature Publishing Group. *Antioxidant determination by the use of a stable free radical*, 181: 1199–1200.
- Chang, C., Yang, M., Wen, H., and Chern, J., 2002. Estimation of Total Flavonoid Content in Propolis by Two Complementary Colorimetric Methods. *Journal of Food and Drug Analysis*, 10: 178–182.
- Chigurupati, S., Mohammad, J.I., Vijayabalan, S., Vaipuri, N.D., Selvarajan, K.K., dan Nemala, A.R., 2017. Quantitative Estimation and Antimicrobial Potential of Ethanol Extract c ⁵⁷rio *Zibethinus* Murr. Leaves. *Asian Journal of Pharmaceutical and Clinical Research*, 10: 251.
- Deng, Y.-T., Lin-Shiau, S.-Y., Shyur, L.-F., and Lin, J.-K., 2015. Pu-erh tea polysaccharides decrease blood sugar by inhibition of α -glucosidase activity *in vitro* and in mice. *Food & Function*, 6: 1539–1546.
- Depkes RI, 2009. *Farmakope Herbal Indonesia*. Departemen Kesehatan RI, Jakarta.



- Dewi, R.T. and Maryani, F., 2015. Antioxidant and α -Glucosidase Inhibitory Compounds of *Centella Asiatica*. *Procedia Chemistry*, 17: 147–152.
- Dey, A. and Lakshmanan, J., 2013. The role of antioxidants and other agents in alleviating hyperglycemia mediated oxidative stress and injury in liver. *Food & Function*, 4: 1148.
- El-Sayed, M.M., El-Nahas, H.A., Adel-Hameed, E.S.S., and El-Wakil, E.A., 2013. Investigation and antioxidant of phenolic compounds of the leaves of *Gleditsia Triacanthos* L. *International Journal of Pharmacy and Pharmaceutical Sciences*, 5: 172–177.
- Feng, J., Wang, Y., Yi, X., Yang, W., and He, X., 2016. Phenolics from durian exert pronounced NO inhibitory and antioxidant activities. *Journal of Agricultural and Food Chemistry*, 64: 4273–4279.
- Freinkel N., 2018. Diabetes Care. *The journal of clinical and applied research and education*. 41(1): 1-172
- Gopal, S.S., Lakshmi, M.J., Sharavana, G., Sathaiah, G., Sreerama, Y.N., and Baskaran, V., 2017. Lactucaxanthin, a potential anti-diabetic carotenoid from lettuce (*Lactuca sativa*) inhibits α -amylase and α -glucosidase activity *in vitro* and in diabetic rats. *Food Funct.*, 8: 1124–1131.
- Gul, M.Z., Attuluri, V., Qureshi, I.A., and Ghazi, I.A., 2012. Antioxidant and α -glucosidase inhibitory activities of *Murraya koenigii* leaf extracts. *Pharmacognosy Journal*, 4: 65–72.
- Gülçin, I., 2012. Antioxidant activity of food constituents: An overview. *Archives of Toxicology*, 86: 345–391.
- Hay, A.E., Aumond, M.C., Mallet, S., Dumontet, V., Litaudon, M., and Rondeau, D., 2004. Antioxidant Xanthones from *Garcinia vieillardii*. *Journal of Natural Products*, 67: 707–709.
- Johnston, P.S., Lebovitz, H.E., Coniff, R.F., Simonson, D.C., Raskin, P., and Munera, C.L., 2015. Advantages of alpha Glucosidase Inhibition as Monotherapy in Elderly Type 2 Diabetic Patients. *Journal of Clinical Endocrinology and Metabolism*. 83: 0–7.
- Kang, M.H., Lee, M.S., Choi, M.K., Min, K.S., and Shibamoto, T., 2012. Hypoglycemic activity of *Gymnema sylvestre* extracts on oxidative stress and antioxidant status in diabetic rats. *Journal of Agricultural and Food Chemistry*, 60: 2517–2524.



- Khan, M. A., Rahman, A. A., Islam, S., Khandokhar, P., Parvin, S., Islam, B., Alam, A. H. M. K. 2013. A comparative study on the antioxidant activity of methanolic extracts from different parts of *Morus alba* L. (Moraceae). *BMC Research Notes*. 1–9
- Kim, K.Y., Nam, K.A., Kurihara, H., and Kim, S.M., 2008. Phytochemistry Potent α -glucosidase inhibitors purified from the red alga *Gratelouphia elliptica*. *Phytochemistry*, 69: 2820–2825.
- Maktrirat, R., Pongsamart, S., Ajariyakhajorn, K., and Chansiripornchai, P., 2008. Bactericidal effect of post-milking teat dip prepared from polysaccharide gel from durian rinds on streptococci causing clinical bovine mastitis. *Acta Horticulturae*, 786: 33–40.
- Mei, R.Q., Wang, Y.H., Du, G.H., Liu, G.M., Zhang, L., dan Cheng, Y.X., 2009. Antioxidant lignans from the fruits of *Broussonetia papyrifera*. *Journal of Natural Products*, 72: 621–625.
- Mohamed, E.A., Ahmad, M., Ang, L.F., Asmawi, M.Z., and Yam, M.F., 2015. Evaluation of α -Glucosidase Inhibitory Effect of 50% Ethanolic Standardized Extract of *Orthosiphon stamineus* Benth in Normal and Streptozotocin-Induced Diabetic Rats. *Evidence-based Complementary and Alternative Medicine*, 2015: .
- Muhammad Ali Khan¹, Aziz Abdur Rahman¹, Shafiqul Islam¹, Proma Khandokhar², Shahnaj Parvin¹, 2013. A comparative study on the antioxidant activity of methanolic extracts from different parts of *Morus alba* L. (Moraceae). *BMC Research Notes*. 6: 1–9.
- Muhtadi, Primarianti, A.U., and Sujono, T.A., 2015. Antidiabetic Activity of Durian (*Durio Zibethinus Murr.*) and Rambutan (*Nephelium Lappaceum* L.) Fruit Peels in Alloxan Diabetic Rats. *Procedia Food Science*, 3: 255–261.
- Oh, C., Li, M., Kim, E., Park, J.S., Lee, J., and Ham, S.W., 2010. Antioxidant and Radical Scavenging Activities of Ascorbic Acid Derivatives Conjugated with Organogermanium. *Bulletin of The Korean Chemical Society*, 31: 3513–3514.
- Rasouli, H., Hosseini-Ghazvini, S.M.-B., Adibi, H., and Khodarahmi, R., 2017. Differential α -amylase/ α -glucosidase inhibitory activities of plant-derived phenolic compounds: a virtual screening perspective for the treatment of obesity and diabetes. *Food Funct.*, 8: 1942–1954.



Rosa, M.M. and Dias, T., 2014. Commonly used endocrine drugs. *Handbook of Clinical Neurology*, 120: 809–824.

Rudiyansyah and Garson, M.J., 2006. Secondary metabolites from the wood bark of *Durio zibethinus* and *Durio kutejensis*. *Journal of Natural Products*, 69: 1218–1221.

Siriwardhana, S.S.K.W. and Shahidi, F., 2002. Antiradical Activity of Extracts of Almond and Its By-products. *Journal of The American Oil Chemist Society*. 79:9

Stern JL1, Hagerman AE, Steinberg PD, M.P., 1996. Phlorotannin-Protein Interactions. *Journal of Chemical Ecology*, 22: 1877–1900.

Telagari, M. and Hullatti, K., 2015. In-vitro α -amylase and α -glucosidase inhibitory activity of *Adiantum caudatum* Linn. and *Celosia argentea* Linn. extracts and fractions. *Indian Journal of Pharmacology*, 47: 425.

Wagner, H., Zgainski, E.M., and Bladt, S., 2013. *Plant Drug Analysis: A Thin Layer Chromatography Atlas*. Springer Science & Business Media, Munich, Germany

Wang, T., Jónsdóttir, R., Liu, H., Gu, L., Hordur, G., and Raghavan, S., 2012. Antioxidant capacities of phlorotannins extracted from the brown algae *Fucus vesiculosus*. *Journal of Agricultural and Food Chemistry*, 60: 5874–5883

Yusro, F., Ohtani, K., and Kubota, S., 2016. Inhibition of α -Glucosidase by Methanol Extracts from Wood Bark of Anacardiaceae, Fabaceae, Malvaceae and Phyllanthaceae Plants Family in West Kalimantan, Indonesia. *黒潮圏科学 (Kuroshio Science)*, 9: 108–122.