

**DAFTAR PUSTAKA**

- Ademiluyi, A. O., & Oboh, G. (2013). Soybean phenolic-rich extracts inhibit key-enzymes linked to type 2 diabetes ( $\alpha$ -amylase and  $\alpha$ -glucosidase) and hypertension (angiotensin I converting enzyme) in vitro. *Experimental and Toxicologic Pathology*, 65(3), 305–309. <https://doi.org/10.1016/j.etp.2011.09.005>
- Anugrah, D., Geovana, D., Novitasari, I., Ismira, N. Z., Ambarwati, A. D., Maulani, S., ... Luthiyah, K. (2019). Inventarisasi dan keaneragaman makroalga di perairan pesisir pantai bama taman nasional baluran, (September). <https://doi.org/10.13140/RG.2.2.32489.65126>
- Assefa, S. T., Yang, E. Y., Chae, S. Y., Song, M., Lee, J., Cho, M. C., & Jang, S. (2020). Alpha glucosidase inhibitory activities of plants with focus on common vegetables. *Plants*, 9(1). <https://doi.org/10.3390/plants9010002>
- Budiana, W., Burhanudin, & Roni, A. (2016). Penetapan Kadar Fenolat Total, Flavonoid Total, serta Aktivitas Antioksidan dengan Metode DPPH dan Cuprac pada Ekstrak Daun Sendok (*Plantago major* L.). *Jurnal Farmasi Galenika*, 3(2), 82–89.
- Chaudhury, A., Duvoor, C., Reddy Dendi, V. S., Kraleti, S., Chada, A., Ravilla, R., ... Mirza, W. (2017). Clinical Review of Antidiabetic Drugs: Implications for Type 2 Diabetes Mellitus Management. *Frontiers in Endocrinology*, 8(January). <https://doi.org/10.3389/fendo.2017.00006>
- Departemen Kesehatan RI. (2000). *Parameter Standar Umum Ekstrak Tumbuhan Obat, cetakan pertama*. Jakarta: Departemen Kesehatan RI.
- Departemen Kesehatan RI. (2014). *Farmakope Indonesia Edisi V*. (Departemen Kesehatan RI, Ed.). Jakarta.
- Depkes RI. (2000). Parameter Standar Umum Ekstrak Tanaman Obat. *Departemen Kesehatan RI*.
- Derosa, G., & Maffioli, P. (2012).  $\alpha$ -Glucosidase inhibitors and their use in clinical practice. *Archives of Medical Science*, 8(5), 899–906. <https://doi.org/10.5114/aoms.2012.31621>
- DiNicolantonio, J. J., Bhutani, J., & O’Keefe, J. H. (2015). Acarbose: safe and effective for lowering postprandial hyperglycaemia and improving cardiovascular outcomes. *Open Heart*, 2(1), e000327. <https://doi.org/10.1136/openhrt-2015-000327>
- Dipiro, J. T., Yee, G. C., Posey, L. M., Haines, S. T., Nolin, T. D., & Ellingrod, V. (2020). *Pharmacotherapy A Pathophysiologic Approach*. (M. G. Hill, Ed.) (Eleventh E). New York: McGraw-Hill Education Companies.

- Dipiro JT, Wells BG, S. T. and D. C. (2015). *Pharmacotherapy Handbook*. (M. Hill, Ed.) (Ninth Edit). New York: McGraw-Hill Education Companies.
- Dwiatmi Dewiyanti, I., Filaila, E., Megawati, M., & Yuliani, T. (2012). Antidiabetic Activity of Cocor Bebek Leaves (*Kalanchoe pinnata* Lam.Pers.) Ethanolic Extract from Various Areas. *Journal of Tropical Life Science*, 2(2), 37–39. <https://doi.org/10.11594/jtls.02.02.03>
- Fadhli, H., Nurdin A, N., & Sandi N, H. (2021). AKTIVITAS INHIBISI ENZIM  $\alpha$ -GLUKOSIDASE DARI EKSTRAK KULIT BATANG BUNGA KUPU-KUPU (*Bauhinia semibifida* Roxb) SECARA IN VITRO. *Jurnal Ilmiah Ibnu Sina*, Vol. 6.
- Febrinda, A. E., Astawan, M., Wresdiyati, T., & Dewi Yuliana, N. (2013). Kapasitas Antioksidan Dan Inhibitor Alfa Glukosidase Ekstrak Umbi Bawang Dayak. *Jurnal Teknologi Dan Industri Pangan*, 24(2), 161–167. <https://doi.org/10.6066/jtip.2013.24.2.161>
- Forestryana, D., & Arnida, A. (2020). Skrining Fitokimia Dan Analisis Kromatografi Lapis Tipis Ekstrak Etanol Daun Jeruju (*Hydrolea spinosa* L.). *Jurnal Ilmiah Farmako Bahari*, 11(2), 113. <https://doi.org/10.52434/jfb.v11i2.859>
- Guo, L. P., Jiang, T. F., Lv, Z. H., & Wang, Y. H. (2010). Screening  $\alpha$ -glucosidase inhibitors from traditional Chinese drugs by capillary electrophoresis with electrophoretically mediated microanalysis. *Journal of Pharmaceutical and Biomedical Analysis*, 53(5), 1250–1253. <https://doi.org/10.1016/j.jpba.2010.07.041>
- Handayani, S., Wirasutisna, K. R., & Insanu, M. (2017). Penapisan Fitokimia Dan Karakterisasi Simplisia Daun Jambu Mawar, 5(3), 10.
- Handayani, T. (2017). Potensi Makroalga di Paparan Terumbu Karang Perairan Teluk Lampung The Potency of Macroalgae in the Reef Flat of Lampung Bay Abstrak Pendahuluan. *Oseanologi Dan Limnologi Di Indonesia*, 2(March 2009), 55–67.
- Hartanti, D., & Budipramana, K. (2020). Traditional antidiabetic plants from indonesia. *Ethnobotany Research and Applications*, 19(April 2020). <https://doi.org/10.32859/era.19.34.1-24>
- Kemenkes RI. (2017). *Farmakope Herbal Indonesia Edisi 2*. Jakarta: Kementerian Kesehatan RI.
- Kim, J. S., Lee, W. M., Rhee, H. C., & Kim, S. (2016). Red paprika (*Capsicum annuum* L.) and its main carotenoids, capsanthin and  $\beta$ -carotene, prevent hydrogen peroxide-induced

- inhibition of gap-junction intercellular communication. *Chemico-Biological Interactions*, 254, 146–155. <https://doi.org/10.1016/j.cbi.2016.05.004>
- Kurniawati, M., Jufriadi, A., & Rumhayati, B. (2016). Potensi Xanton Sebagai Anti Radikal Oxygen Species ( Ros ) Pada Diabetes Mellitus, 53–62.
- Lebovitz, H. E. (1997). Alpha-glucosidase inhibitors. *Endocrinology and Metabolism Clinics of North America*, 26(3), 539–551. [https://doi.org/10.1016/S0889-8529\(05\)70266-8](https://doi.org/10.1016/S0889-8529(05)70266-8)
- Maharany F, Nurjanah, Suwandi R, Anwar E, H. T. 2017. K. (2017). Kandungan Senyawa Bioaktif Rumput Laut Padina Australis dan Eucheuma Cottonii Sebagai Bahan Baku Krim Tabir Surya. *Jphpi*, 20(1), 10–17.
- Makrilakis, K. (2019). The role of dpp-4 inhibitors in the treatment algorithm of type 2 diabetes mellitus: When to select, what to expect. *International Journal of Environmental Research and Public Health*, 16(15). <https://doi.org/10.3390/ijerph16152720>
- Permata Yuda, I., Aryenti, A., & Juniarti, J. (2019). Aktivitas Inhibitor  $\alpha$ -Glukosidase Ekstrak Daun Toona sureni (Bl. ) Merr. sebagai Antihiperglikemik. *Majalah Kesehatan Pharmamedika*, 10(2), 063. <https://doi.org/10.33476/mkp.v10i2.724>
- Prasasty, V. D., Haryani, B., Hutagalung, R. A., Mulyono, N., Yazid, F., Rosmalena, R., & Sinaga, E. (2019). Evaluation of antioxidant and antidiabetic activities from red seaweed (eucheuma cottonii). *Systematic Reviews in Pharmacy*, 10(1), 276–288. <https://doi.org/10.5530/srp.2019.1.44>
- Riniatsih, I., Munasik, M., Suryono, C. A., Azizah, R., Hartati, R., Pribadi, R., & Subagiyo, S. (2017). Komposisi Makroalga Yang Berasosiasi Di Ekosistem Padang Lamun Pulau Tumpul Lunik, Pulau Rimau Balak Dan Pulau Kandang Balak Selatan, Perairan Lampung Selatan. *Jurnal Kelautan Tropis*, 20(2), 117. <https://doi.org/10.14710/jkt.v20i2.1738>
- Sharo, N. M., Ningsih, R., Hanapi, A., & Nasichuddin, A. (2013). Uji Toksisitas Dan IDENTIFIKASI SENYAWA EKSTRAK ALGA MERAH (Eucheuma cottonii) TERHADAP LARVA UDANG Artemia salina LEACH. *Alchemy*, 2(3). <https://doi.org/10.18860/al.v0i0.2892>
- Sugiwati, S., Setiasih, S., & Afifah, E. (2009). Antihyperglycemic Activity of The Mahkota Dewa (Phaleria macrocarpa (Scheff.) Boerl.) Leaf Extracts as an Alpha-Glucosidase Inhibitor. *Makara Kesehatan*, 13(2), 74–78.
- Sulistiana. p. n et al. (2020). Potensi Kappa Karaginan Rumput Laut ( Eucheuma Cottonii ) Sebagai Antioksidan Dan Inhibitor Enzim  $\alpha$  -Glukosidase The Potential Of Kappa

Carrageenan Seaweed (*Eucheuma Cottonii*) as an Antioxidant and  $\alpha$ -Glucosidase Enzyme Inhibitor, 1–10.

- Syarif, S., Nurnaningsih, N., & Pratama, M. (2020). UJI AKTIVITAS EKSTRAK ETANOL DAUN KERSEN (*Muntingia calabura* L.) SEBAGAI INHIBITOR ENZIM  $\alpha$ -GLUKOSIDASE DENGAN MENGGUNAKAN ELISA READER. *Jurnal Fitofarmaka Indonesia*, 7(2), 1–5. <https://doi.org/10.33096/jffi.v7i2.506>
- Wijayanto, T., Hendri, M., & Aryawati, R. (2011). Studi Pertumbuhan Rumput Laut *Eucheuma Cottonii* Dengan Berbagai Metode Penanaman Yang Berbeda Di Perairan Kalianda, Lampung Selatan. *Maspari Journal : Marine Science Research*, 3(2), 51–57.
- Yulianti, Y., & Baso Manguntungi, A. Y. (2018). Aktivitas Antibakteri Ekstrak Alga Merah dari Pantai Luk, Sumbawa terhadap *Salmonella thypi* dan *Staphylococcus aureus*. *Biota : Jurnal Ilmiah Ilmu-Ilmu Hayati*, 3(1), 1–11. <https://doi.org/10.24002/biota.v3i1.1888>
- Yuniarto, A., & Selifiana, N. (2018). Aktivitas Inhibisi Enzim Alfa-glukosidase dari Ekstrak Rimpang Bangle (*Zingiber cassumunar* Roxb.) secara In vitro. *MPI (Media Pharmaceutica Indonesiana)*, 2(1), 22–25. <https://doi.org/10.24123/mpi.v2i1.1299>