

DAFTAR PUSTAKA

- Achmad, M.N. 2006. Faktor yang mempengaruhi terjadinya neuropati diabetic simptomatik perifer [skripsi]. Universitas Airlangga, Surabaya.
- Alifah, N. R. 2019. Analisis interaksi molekuler asam fenolik kurma (*phoenix dactylifera l*) terhadap reseptor histamin h2 sebagai model penghambatan sekresi asam lambung pada gastritis [skripsi]. Universitas Islam Negeri Maulana Malik Ibrahim, Malang.
- Alusinsing, G., Bodhi, W., and Sudewi, S. 2014. Uji efektivitas kulit batang kayu manis (*cinnamomum burmanii*) terhadap penurunan kadar gula darah tikus putih jantan galur wistar (*rattus norvegicus*) yang diinduksi sukrosa. *Pharmacon Jurnal Ilmiah Farmasi – UNSRAT* 3(3), 2302–2493.
- Anggriawan, B. Made., Roswiem , P. Anna., dan Nurcholis, Waras. 2015. Potensi ekstrak air dan etanol kulit batang kayu manis padang (*cinnamomum burmanii*) terhadap aktivitas enzim a-glukosidase. *Jurnal Kedokteran Yarsi* 23 (2) : 091-10
- Atkins, P. and Paula J.D. 2006. *Atkins' Physical Chemistry 8th Edition*. Oxford: Oxford University Press.
- Baber, J.C., David C.T., Jason B. C., and Chirstine H. 2009. Gard: a generally applicable replacement for rmsd. *Journal Chem Info* 49: 1889 -1900.
- Bahi, R.R.R., Herowati, R dan Harmastuti, N. 2020. Studi biokemoinformatika kandungan kimia daun sambiloto (*andrographis paniculata (blum.f.) nees*) sebagai antihiperqlikemia serta prediksi parameter farmakokinetik dan toksisitas. *Pharmacy: Jurnal farmasi Indonesia* 17: 466 - 477
- Baxevanis, A. D. and Francis O. B. F. 2001. *Bioinformatics: a aractical guide to the analysis of genes and proteins*. A John Wiley & Sons, Inc., Publication. New York
- Boyle, A. L. 2018. Peptide applications in biomedicine, biotechnology and bioengineering, Woodhead Publishing. Cambridge
- BPOM RI. 2009. Manfaat yang berguna dari kayu manis. *Naturakos* IV(11) :10-

- Brownlee, M. 2005. The pathobiology of diabetic complications a unifying mechanism. *Diabetes* 54: 1615-25
- Chelliah, D.A. 2008. Biological activity prediction of an ethno medicinal plant cinnamomumcamphora through bio-informatics. *Ethnobotanical Leaflets* 12: 181-190
- Chillistone, S., and Hardman, J. 2008. Factor affecting drug absorption and distribution . *Anaesthesia and Intensive Care Medicine* 9(4): 167-171
- Damayanti, D., M. Alfian A.R., dan Rosaria, D.L. 2020. Studi in silico senyawa aktif ekstrak rimpang jahe emprit (*Zingiber officinale* Rosc.) terhadap penghambatan asetilkolinesterase. *Jurnal Kedokteran Komunitas*, Universitas Islam, Malang.
- Ekins S., Nikolsky Y., and Nikolskaya T. 2005. Techniques: applications of systems biology to absorption, distribution, metabolism, excretion and toxicity. *Trends Pharm Sci* 26 (4): 2002-2009.
- Elobeid, MA., Virk, P., Siddiqui, MI., Omer, S.A., Amin, M.E., and Hasan, Z. 2013. Antyhyperglycemic activity and body weight effect of extracts of emblica officianalis, tamarix nilotica and cinnamon plant in diabetic male rats. *Wulfenia Journal* 20(11):18-31
- Ghose, A.K., Herbertz, T., Hudkins, R.L., Dorsey, B.D and Mallamo, J.P. 2012. knowledge-based, central nervous system (cns) lead selection and lead optimazation for cns drug discovery. *ACS Chem. Neurosci* 3: 50-68
- Gotmare, S. and Tambe, E. 2019. Identification of chemichal constituents of cinnamon bark oil by gcms and comparative study garnered from five different countries. *Global Journals* 19: 2249-4626
- Hongxiang, H., Tang, G., and Liang, W.G.V. 2009. Chinese medicine:hypoglycemic herbs and their action mechanisms. *BioMed Central* 4 (11): 1-11.
- Howard, E. R., Sanishvili, R., Cachau, R. E., Mitschler, A., Chevrier, B., Barth, P., Lamour, V., Van Zandt, M., Sibley, E., Bon, C., Moras, D., Schneider, T.R., Joachimiak, A. and Podjarny, A. (2004). Ultrahigh resolution drug design I: details of interactions in human aldose reductase-inhibitor complex at 0.66 Å. *Proteins:Struct. Funct. Genet* 55: 792–804.

- Huey, R., Morris G. M., and Stefano F. 2012. Using AutoDock 4 and AutoDock Vina with AutoDockTools: A Tutorial. The Scripps Research Institute. California.
- Ivanov, S.M., Lagunin, A.A., Rudik, A.V., Filimonov, D.A., and Poroikov, P.V. 2018. Advervepred-web service for prediction of adverse effect of drugs. *J Chem Int Model* 58: 8-11
- Jamkhande, P. G., Wattanwar, A. S., Pekamwar, S. S., and Chandak, P. G. 2014. Antioxidant, antimicrobial activity and in silico pass prediction of annona reticulata linn. root extract. *Beni-suef University Journal of Basic and Applied Sciences* 3(2), 140-148
- Kato, A., H. Yasuko., H. Goto., J. Hollinshead., R. J. Nash., and I. Adachi. 2009. Inhibitory effect of rhetsinineisolated from evodia rutaecarpa on aldose reductase activity. *Phytomedicine* 16:258–261.
- Kurniawan, S. N. 2012. Patofisiologi biomolekuler neuropati diabetes. *Jurnal Neurona* 29(4): 3-4
- Li, Y.Q., Kong, D.X and Wu, H. 2013. Analysis and evaluation of essential oil components of cinnamon bark using gc-ms and ftir spectroscopy. *Industrial Chorps and Products* 41: 209-278
- Lins L. and Brasseur R. 1995. The hydrofobic effect in protein folding. *Faseb J* 9: 535-340
- Lipinski, C.A. 2004. Lead-and drug-like compound:the rule of five revolution. *Article in Drug Discovery Today Technologies* 1(4): 337-41
- Lipinski, C.A., Lombardo, F., Dominy, B.W., and Feeney, F.J. 1997. Experimental and computational approaches to estimate solubility and permeability in drug discovery and development settings. *Advanced Drug Delivery Reviews* 23: 3-25.
- Lipinski, C.A., Lombardo, F., Dominy, B.W., and Feeney, P.J . 2001. Experimental and computational approaches to estimate solubility and permeability in drug discovery and development settings. *Adv. Drug Deliv. Rev* 46 : 3–26

- Lukacinova, A., Mojzis, J., Benacka, R., Racz, O., and Nistiar, F. 2008. Structure activity relationships of preventive effects of flavonoids in alloxan-induced diabetes mellitus in rats. *Journal of Animal and Feed Sciences* 17: 411-421
- Misnadiarly. (2006). *Diabetes Mellitus, Mengenali Gejala, Menanggulangi, Mencegah Komplikasi*. Pustaka Populer Obor : Jakarta
- Moreira, R., Soldera, A., Cury, B., Meireles, C., and Kupfer, R. 2015. Is cognitive impairment associated with the presence and severity of peripheral neuropathy in patients with type 2 diabetes mellitus. Biomed Central. DOI 10.1186/s13098-015-0045
- Morris, G. M., and Lim-Wilby, M. (2008). Molecular docking. *Methods Mol Biol* 443, 365-382.
- Muchtaridi, dan Yusuf, M. 2018. *Teori dan Praktek Penambatan Molekul (Molecular Docking)*. Unpad Press, Bandung
- Munnawaroh, H. S. H., Gumilar G. G., Nurjanah, F., Yliani, G., Aisyah, S., Kurnia, D., Wlandari, A. P., Kurnawan, I., Ningrum A, Koyonde, A. K., and Show, P. 2020. In-vitromolecular docking analysis of microalgae extracted phycocyanin as an anti-diabetic candidate. *Biochemical Engineering Journal* 161: 1-9.
- Nelson, D and Cox, M. 2001 *Lehninger principles of biochemistry*. Wisconsin: W.H. Freeman Company 4: 50 - 212
- Ndraha, S. 2014. Diabetes mellitus tipe 2 dan tatalaksana terkini. *Medicinus* 27 (2) : 9 – 16
- Nurfitriyana, F. 2010. Penambatan molekul beberapa senyawa xanton dari tanaman *Garcinia mangostana* Linn. pada protease HIV-1 [Skripsi]. Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Indonesia, Depok.
- Patrick, G. 2001. *Instant Notes in Medicinal Chemistry*. BIOS Scientific Publisher, Oxford.
- Rachmania, R.A., Supandi dan Cristina, F.A.D. 2016. Analisis penambatan molekul senyawa flavonoid buah mahkota dewa (*Phaleria macrocarpa* (Scheff.) Boerl.) pada reseptor α -glukosidase sebagai antidiabetes. *Pharmacy* 13: 1693-3591

- Ramana, K.V. and Srivastava, S.K. 2010. Aldose reductase: a novel therapeutic target for inflammatory pathologies. *Int J. Biochem. Cell Biol* 42(1): 17–20.
- Ravindran, P.N., Babu, K.N., and Shylaja, M. (2004). *Cinnamon and Cassia: The Genus Cinnamomum*. USA: CRC Press. Hal 185-195.
- Setiawan, T. 2015. Studi molecular docking ekstrak kurkuminoid asal wonogiri sebagai inhibitorenzim dna topoisomerase ii [Tesis]. Departemen Biokimia, Institut Pertanian Bogor. Bogor.
- Singh, J. 2008. Management of neuropathy in diabetes mellitus. *Medicine Update Ch* 107(18): 810–816
- Sjahrir, S. 2006. *Diabetic Neuropathy: The Pathoneurobiology and Treatment Update*. Medan: USU Press. hal 1–47
- Starr,F.,K. Starr, dan Loope, L. (2003). Cinnamomum burmannii. united states geological survey-biological resources division. Pada <http://www.hear.org/starr/hiplants/reports/pdf/cinnamomumburmannii.pdf>, (diakses 26 Januari 2021).
- Steuber, H., Zentgraf, M., Gerlach, C., Sottriffer, C.A., Heine, A., and Klebe G. 2006. Expect the unexpected or caveat for drug designers: multiple structure determinations using aldose reductase crystals treated under varying soaking and co-crystallisation conditions. *J. Mol. Biol.* 363: 174-187
- Steuber, H., Heine, A., and Klebe G. 2007. Structural and thermodynamic study on aldose reductase: nitro-substituted inhibitor with strong enthalpic binding contribution. *J. Mol. Biol.* 368: 618-638
- Suhadi, A., Rizalullah., dan Feriyani. 2019. Simulasi docking senyawa aktif daun binahong sebagai inhibitor enzyme aldose reductase. *SEL Jurnal Penelitian Kesehatan* 6(2): 45-65
- Trisnawati, S.K., dan Soedijono S. 2013. Faktor risiko kejadian diabetes melitus tipe ii di puskesmas kecamatan cengkareng jakarta barat tahun 2012. *Jurnal Ilmiah Kesehatan* 5 (1): 6-11.
- Zhu, C. 2013. Aldose reductase inhibitors as potential therapeutic drugs of diabetic complications. Downloaded from:

<http://www.interchopen.com/books/diabetes-mellitus-insights-and-perspectives>. ch.2: 17–46

Zychowska, M., Rojewska, E., Przewlocka, B., and Mika, J. 2013. Mechanisms and pharmacology of diabetic neuropathy—experimental and clinical studies. *Pharmacological Reports* 65: 1601–16