

DAFTAR PUSTAKA

- Amanulloh, M., & Krisdayanti, E. 2019. Jintan Hitam sebagai Imunomodulator dan Anti inflamasi pada Pasien Asma. *Jurnal Penelitian Perawat Profesional*,1(1), 115-118.
- Amin, B., & Hosseinzadeh, H. 2016. Black cumin (*Nigella sativa*) and its active constituent, thymoquinone: an overview on the analgesic and anti-inflammatory effects. *Planta medica*, 82(1-2), 8-16.
- Anggraeini, S. A. 2020. Skrining Target Molekular Kandungan Kimia Akar Manis (*Glycyrrhiza glabra* L.) Terhadap Target Terapi Virus Corona Metode Docking Molekuler. Skripsi. Universitas Setia Budi
- Avdeev, M., Wong, C.,& Ling, C. D. (2016). Zig-zag magnetic ordering in honeycomb-layered Na₃Co₂SbO₆. *Journal of Solid State Chemistry*, 243, 18-22.
- Berman *et al.*. 2000. The Protein Data Bank. *Nucleic Acids Research* 28(1): 235242.
- Brunton, L., Chabner, B. A., & Knollmann, B. C. 2011. Goodman and Gilman's the pharmacological basis of therapeutics. Twelfth.
- Chen, L., *et al.*,2020. Inflammatory responses and inflammation-associated diseases in organs. *Oncotarget*, 9(6), 7184.
- Chen, J., *et al.*,(2012). Analgesic and anti-inflammatory activity and pharmacokinetics of alkaloids from seeds of *Strychnos nux-vomica* after transdermal administration: Effect of changes in alkaloid composition. *Journal of Ethnopharmacology*, 139(1), 181-188.
- Dahlin, J. L., Inglese, J., dan Walters, M. A. 2015. Mitigating risk in academi preclinical drug discovery. *Nature Reviews Drug Discovery*, 14(4), 279-294.
- Daina, A., Michielin, O., & Zoete, V. 2017. SwissADME: a free web tool to evaluate pharmacokinetics, drug-likeness and medicinal chemistry friendliness of small molecules. *Scientific reports*, 7, 42717.
- Didziapetris, R., Japertas, P., Avdeef, A., & Petrauskas, A. (2003). Classification analysis of P-glycoprotein substrate specificity. *Journal of drug targeting*, 11(7), 391-406.
- Dixit, V. A. (2019). A simple model to solve a complex drug toxicity problem. *Toxicology research*, 8(2), 157-171.

- Dong, J. *et al.*, 2020. ADMETlab: a platform for systematic ADMET evaluation based on a comprehensively collected ADMET database. *Journal of cheminformatics*, 10(1), 29.
- Elgazar, A. A., Knany, H. R., & Ali, M. S. 2019. Insights on the molecular mechanism of anti-inflammatory effect of formula from Islamic traditional medicine: An in-silico study. *Journal of traditional and complementary medicine*, 9(4), 353-363.
- El-Morsy, M. H., & Osman, H. E. S. 2020 Morphological Characters of *Nigella sativa*. *Black cumin (Nigella sativa) seeds: Chemistry, Technology, Functionality, and Applications*, 23-29.
- Fikry, M. A. (2014). Studi Penambatan Molekul Senyawa–Senyawa Flavonoid Dari Buah Mengkudu (*Morinda Citrifolia* L) Pada Peroxisome Proliferator-Activated Receptor-Gamma (PPAR γ)
- Forli S., Huey R., Pique ME., Sanner MF., Goodsell DS., Olson AJ. (2016) Computational Protein-Ligand Docking and Virtual Drug Screening with The AutoDock Suite. *Nat Protoc.* 11(5):905-19. doi:10.1038/nprot.2016.051.
- Gilhotra, N., & Dhingra, D. (2011). Thymoquinone produced antianxiety-like effects in mice through modulation of GABA and NO levels. *Pharmacological Reports*, 63(3), 660-669.
- Gilani, dan A. Hasan. 2004. A review of medicinal uses and pharmacological activities of *Nigella sativa*. Department of Biological and Biochemical Sciences The Aga Khan University Medical College, Karachi, Pakistan. *Pakistan Journal of Biological sciences* 7 (4). Hal: 441-451. Pakistan
- Gomeni, R., Bani, M., D'Angeli, C., Corsi, M., dan Bye A. 2001. Computer-assisted drug development (CADD): an emerging technology for designing firsttime-in-man and proof-of-concept studies from preclinical experiments. *Eur J Pharm Sci* 13(3): 261-270
- Hevener KE, Zhao W, Ball DM, Babaoglu K, Qi J, White SW, et al. 2009. Validation of molecular docking programs for virtual screening against dihydropteroate synthase. *J Chem Inf Model.* (2): 444-60.
- Johnson BC. Clinical perspective on the health effects of moringa oleifera a promising adjunct for balanced nutrition and better health. *KOS Health Publications.* 2005;1:1–5
- Kazmi, A., Khan, M. A., & Ali, H. 2019. Biotechnological approaches for production of bioactive secondary metabolites in *Nigella sativa*: An up-to-

- date review. *International Journal of Secondary Metabolite*, 6(2), 172–195.
- KARIM, MA., 2018, Analisis Docking Molekuler Senyawa Flavonoid Dan Steroid Terhadap Enzim Siklooksigenase Dan Fosfolipase, Skripsi, Fakultas Farmasi, Universitas Setia Budi, Surakarta.
- Mahfur, M. 2020. Profil Metabolit Sekunder Senyawa Aktif Minyak Atsiri Jintan Hitam (*Nigella sativa* L.) dari Habasyah dan India. *PHARMACY: Jurnal Farmasi Indonesia (Pharmaceutical Journal of Indonesia)*, 15(1), 90-97.
- Mamun, M., & Absar, N. 2020. Major nutritional compositions of black cumin seeds-cultivated in Bangladesh and the physicochemical characteristics of its oil. *International Food Research Journal*, 25(6), 2634–2639.
- Maniar, K. H., Jones, I. A., Gopalakrishna, R., & Vangsness Jr, C. T. (2020). Lowering side effects of NSAID usage in osteoarthritis: recent attempts at minimizing dosage. *Expert Opinion on Pharmacotherapy*, 19(2), 93-102.
- Marlinda, L. 2015. Effectivity of Black Cumin Seeds Extract To Increase Phagocytosis. *Jurnal Majority*, 4(3).
- Masfufatun, M., Tania, P. O. A., Raharjo, L. H., & Baktir, A. 2020. Kadar IL-6 dan IL-10 Serum pada Tahapan Inflamasi di Rattus norvegicus yang terinfeksi *Candida albicans*. *Jurnal Kedokteran Brawijaya*, 30(1), 19-23.
- Muchtaridi dan Yusuf M. 2020. *Teori dan Praktek Penambatan Molekul (Molecular Penambatan)*. Cetakan Pertama. Unpad Press. Bandung.
- Mukhtar, H., Mumtaz, M. W., Tauqeer, T., dan Raza, S. A. 2020 Composition of *Nigella sativa* Seeds. In *Black cumin (Nigella sativa) seeds: Chemistry, Technology, Functionality, and Applications* (pp. 45-57).
- Natalia, O. 2013. *Pemodelan interaksi turunan potensial asam benzoil salisilat dengan reseptor enzim siklooksigenase-2* (Doctoral dissertation, Widya Mandala Catholic University Surabaya).
- Oktaria, R., Susianti, S., dan Sari, R. D. P. (2019). Efek Protektif Thymoquinone Terhadap Gambaran Histopatologi Ginjal Tikus Putih (*Rattus norvegicus*) Galur Sprague dawley yang Diinduksi Rifampisin. *Agromedicine*, 6(1), 78-82
- Salem, M. L. (2005). Immunomodulatory and therapeutic properties of the *Nigella sativa* L. seed. *International immunopharmacology*, 5(13-14), 1749-1770.
- Sandeep et al. 2011. AU Docker LE: A GUI for virtual screening with Autodock Vina. *BMC research Notes* 4(445).

- Saputri, K. E., Fakhmi, N., Kusumaningtyas, E., Priyatama, D., & Santoso, B. (2016). Docking molekular potensi anti diabetes melitus tipe 2 turunan zerumbon sebagai inhibitor aldosa reduktase dengan autodock-vina. *Chimica et Natura Acta*, 4(1), 16-20.
- Sulistiawati, F., & Radji, M. 2014. Potensi Pemanfaatan *Nigella sativa* L. sebagai Imunomodulator dan Anti inflamasi. *Pharmaceutical Sciences & Research*, 1(2), 1.
- Solomon, D. H., *et al.*, 2017. The risk of major NSAID toxicity with celecoxib, ibuprofen, or naproxen: a secondary analysis of the PRECISION trial. *The American journal of medicine*, 130(12), 1415-1422
- Tania, P. O. A., Simamora, D., Parmasari, W. D., & Rahmawati, F. 2014. Kadar Interleukin 6 (Il-6) Sebagai Indikator Progresivitas Penyakit Reumatoid Arthritis (Ra). *Jurnal "Ilmiah Kedokteran" Volume*, 3(1).
- Xie, Z. Q. 2010. Exploiting Pubchem For Virtual Screening NIH Public Access. Yulianti, S. 1806. Junaedi E. *Sembuhkan penyakit dengan habbatus sauda (Jintan hitam)*. Jakarta: Agromedia Pustaka, 9-34.
- Zarghi, A., & Arfaei, S. 2011. Selective COX-2 inhibitors: a review of their structure-activity relationships. *Iranian journal of pharmaceutical research: IJPR*, 10(4), 655.
- Yulistia Budianti Soemarie (2016). Uji Aktivitas anti inflamasi Kuersetin Kulit Bawang Merah (*Allium cepa* L.) Pada Mencit Putih Jantan (*Mus musculus*). *Jurnal Ilmiah Ibnu Sina*, 1(2), 163-172 .
- Zanger U.M., Schwab M. (2013) *Cytochrome P450 Enzymes in Drug Metabolism: Regulation of Gene Expression, Enzyme Activities, and Impact of Genetic Variation*. *Pharmacology & Therapeutics* 138 103–141.
- Zamri RJ. (2008). *Validasi Metode Penentuan Kadar Apigenin Dalam EkstrakSeledri Dengan Kromatografi Cair Kinerja Tinggi*. Departemen Kimia FMIPA Institut Pertanian Bogor.
- Zhong, J. (2011) *Plant Secondary Metabolites*. *Encyclopedia of Industrial Biotechnology*, Wiley, Volume 6, pp. 3883–3819.