DAFTAR PUSTAKA

American Cancer Society (2019) *What Is Lung Cancer?*, *American Cancer Society, Inc. All rights reserved*. doi: 10.1159/000400400.

Cancer Society (2014) *Lung Cancer*. 5th edn. New Zealand. Available at: https://www.cancer.org.nz/cancer/types-of-cancer/lung-cancer/.

Case, D. A. *et al.* (2021) 'Amber 2021: Reference Manual'.

Chanet, A. *et al.* (2012) 'Citrus flavanones: What is their role in cardiovascular protection?', *Journal of Agricultural and Food Chemistry*, 60(36), pp. 8809–8822. doi: 10.1021/jf300669s.

Chen, L. *et al.* (2017) 'A computational method for the identification of candidate drugs for non-small cell lung cancer', *PLoS ONE*, 12(8), pp. 1–15. doi: 10.1371/journal.pone.0183411.

Cho, H. J. *et al.* (2015) 'Luteolin acts as a radiosensitizer in non-small cell lung cancer cells by enhancing apoptotic cell death through activation of a p38/ROS/caspase cascade', *International Journal of Oncology*, 46(3), pp. 1149–1158. doi: 10.3892/ijo.2015.2831.

Cleveland Clinic Medical Professional (2019) *Lung Cancer*, *Cleveland Clinic*. Available at: https://my.clevelandclinic.org/health/diseases/4375-lung-cancer (Accessed: 10 May 2022).

Dayem, A. A. *et al.* (2017) 'The Role of Reactive Oxygen Species (ROS) in the Biological Activities of Metallic Nanoparticles', *International Journal of Molecular Sciences*, 18(1), pp. 1–21. doi: 10.3390/ijms18010120.

Douglas A. Nelson (2021) *Small Cell vs. Non-Small Cell Lung Cancer: What's the Difference?*, *Dotdash Media, Inc.* Available at: https://www.verywellhealth.com/small-cell-vs-non-small-cell-lung-cancer-

5208050 (Accessed: 16 May 2022).

Goebel, C. *et al.* (2019) 'Diagnosis of Non-small Cell Lung Cancer for Early Stage Asymptomatic Patients', *Cancer Genomics and Proteomics*, 16(4), pp. 229–244. doi: 10.21873/cgp.20128.

Han, X. *et al.* (2018) '*Kaempferol suppresses proliferation but increases apoptosis and autophagy by up-regulating microRNA-340 in human lung cancer cells*', *Biomedicine and Pharmacotherapy*, 108(826), pp. 809–816. doi: 10.1016/j.biopha.2018.09.087.

Hanif, A. U., Lukis, P. A. and Fadlan, A. (2020) 'Pengaruh Minimisasi Energi MMFF94 dengan MarvinSketch dan Open Babel PyRx pada Penambatan Molekular Turunan Oksindola Tersubstitusi', *Alchemy*, 8(2), pp. 33–40. doi: 10.18860/al.v8i2.10481.

Hollingsworth, S. A. and Dror, R. O. (2018) '*Molecular Dynamics Simulation for All*', *Neuron*, 99(6), pp. 1129–1143. doi: 10.1016/j.neuron.2018.08.011.

Iacopetta, D. *et al.* (2017) '*New insights for the use of quercetin analogs in cancer treatment*', *Future Medicinal Chemistry*, 9(17), pp. 2011–2028. doi: 10.4155/fmc-2017-0118.

Jász, Á., Rák, Á. and Cserey, G. (2017) '*Energy Calculation of MMFF94 Force Field on GPU*', *IEEE Xplore*, 1, pp. 1–4. Available at: https://ieeexplore.ieee.org/document/8093267/metrics#metrics.

Kanwal, R. *et al.* (2016) '*Dietary Flavones as Dual Inhibitors of DNA Methyltransferases and Histone Methyltransferases*', *PLoS ONE*, 11(9), pp. 1–19. doi: 10.1371/journal.pone.0162956.

Kopustinskiene, D. M. *et al.* (2020) '*Flavonoids as Anticancer Agents*', *Nutrients*, 12(2), pp. 1–25. doi: 10.3390/nu12020457.

Kunal Roy, Supratik Kar, R. N. Das (2015) *Understanding the Basics of QSAR for Applications in Pharmaceutical Sciences and Risk Assessment: Computational*

Chemistry, Computer Science Handbook, Second Edition. Kolkata: Academic Press India. doi: 10.1201/b16812-34.

Laskowski, R. A. *et al.* (2018) '*PDBsum: Structural summaries of PDB entries*', *Protein Science*, 27(1), pp. 129–134. doi: 10.1002/pro.3289.

Lin, Xiaoqian, Li, X. and Lin, Xubo (2020) '*A Review on Applications of Computational Methods in Drug Screening and Design*', *Molecules*, 25(6), pp. 1–17. doi: 10.3390/molecules25061375.

Liu, L. C. *et al.* (2012) '*EGCG inhibits transforming growth factor-β-mediated epithelial-to-mesenchymal transition via the inhibition of smad2 and Erk1/2 signaling pathways in nonsmall cell lung cancer cells*', *Journal of Agricultural and Food Chemistry*, 60(39), pp. 9863–9873. doi: 10.1021/jf303690x.

Maharjan, M. *et al.* (2020) '*Computational identification of biomarker genes for lung cancer considering treatment and non-treatment studies*', *BMC Bioinformatics*, 21(Suppl 9), pp. 1–19. doi: 10.1186/s12859-020-3524-8.

Mohammad Badar, Jawed Ahmed, SHazmeen Shamsi, A. A. (2020) '*Molecular Dynamics Simulations: Concept, Methods, and Applications*', (August), pp. 1–23.

National Library of Medicine (2022) *EGFR epidermal growth factor receptor [Homo sapiens (human)]*. Washington. Available at: https://www.ncbi.nlm.nih.gov/gene/1956#gene-expression.

Nisha, C. M. *et al.* (2016) '*Molecular Docking and In Silico ADMET Study Reveals Acylguanidine 7a as a Potential Inhibitor of β-Secretase*', *Advances in Bioinformatics*, 2016, pp. 1–6. doi: 10.1155/2016/9258578.

Oana Zanoaga, Cornelia Braicu, Ancuta Jurj, Alexandru Rusu, R. B. and I. B.-N. (2019) '*Progress in Research on the Role of Flavonoids in Lung Cancer*', *International Journal of Molecular Sciences*, 20(17), p. 4291. doi: 10.1515/biol-2020-0035.

Pangribowo, S. (2019) Beban Kanker di Indonesia, Pusat Data Dan Informasi Kesehatan Kementerian Kesehatan RI. Jakarta Selatan.

Pires, D. E. V., Blundell, T. L. and Ascher, D. B. (2015) '*pkCSM: Predicting small-molecule pharmacokinetic and toxicity properties using graph-based signatures*', *Journal of Medicinal Chemistry*, 58(9), pp. 4066–4072. doi: 10.1021/acs.jmedchem.5b00104.

Planchard, D. *et al.* (2018) '*Metastatic non-small cell lung cancer: ESMO Clinical Practice Guidelines for diagnosis, treatment and follow-up*', *Annals of Oncology*, 29(January), pp. iv192–iv237. doi: 10.1093/annonc/mdy275.

Prasetiawati, R. *et al.* (2021) '*Molecular Docking Study of Anthocyanidin Compounds Against Epidermal Growth Factor Receptor (EGFR) as Anti-Lung Cancer*', *Indonesian Journal of Pharmaceutical Science and Technology*, 8(1), pp. 8–20. doi: 10.24198/ijpst.v8i1.29872.

Qiu, T. *et al.* (2018) '*Exploring the Mechanism of Flavonoids Through Systematic Bioinformatics Analysis*', *Frontiers in Pharmacology*, 9(918), pp. 1–12. doi: 10.3389/fphar.2018.00918.

Riesco, A. *et al.* (2017) '*Epidermal Growth Factor Signaling towards Proliferation: Modeling and Logic Inference Using Forward and Backward Search*', *BioMed Research International*, 2017, pp. 1–11. doi: https://doi.org/10.1155/2017/1809513.

Ruswanto, R. *et al.* (2018) 'KARAKTERISASI DAN SINTESIS SENYAWA KOMPLEKS Fe (III) 4-FLUORO-N'-[(PYRIDINE-4-YL)CARBONYL] BENZOHYDRAZIDE SEBAGAI KANDIDAT ANTI TUBERKULOSIS', *Jounal of Pharmacopolium*, 1(2), pp. 100–106. Available at: https://core.ac.uk/download/pdf/233592353.pdf.

Shin, H. J., Hwang, K. A. and Choi, K. C. (2019) '*Antitumor Effect of Various Phytochemicals on Diverse Types of Thyroid Cancers*', *Nutrients*, 11(1), p. 125. doi: 10.3390/nu11010125.

Shin, S. Y. *et al.* (2018) '*Inhibitory Effect of Synthetic Flavone Derivatives on Pan-Aurora Kinases: Induction of G2/M Cell-Cycle Arrest and Apoptosis in HCT116 Human Colon Cancer Cells*', *International Journal of Molecular Sciences*, 19(12), pp. 1–13. doi: 10.3390/ijms19124086.

de Sousa Moraes, L. F. *et al.* (2019) '*Anthocyanins/Anthocyanidins and Colorectal Cancer: What Is Behind the Scenes?*', *Critical Reviews in Food Science and Nutrition*, 59(1), pp. 59–71. doi: 10.1080/10408398.2017.1357533.

Speck-Planche, A. and Cordeiro, M. N. D. S. (2017) '*Fragment-based in silico modeling of multi-target inhibitors against breast cancer-related proteins*', *Molecular Diversity*, 21(3), pp. 511–523. doi: 10.1007/s11030-017-9731-1.

Sullivan, I. and Planchard, D. (2017) '*Next-Generation EGFR Tyrosine Kinase inhibitors for Treating EGFR-Mutant Lung Cancer beyond First Line*', *Frontiers in Medicine*, 3, pp. 1–13. doi: doi: 10.3389/fmed.2016.00076.

Sung, H. *et al.* (2021) '*Global Cancer Statistics 2020: GLOBOCAN Estimates of Incidence and Mortality Worldwide for 36 Cancers in 185 Countries*', *CA: A Cancer Journal for Clinicians*, 71(3), pp. 209–249. doi: 10.3322/caac.21660.

Susanti, N. M. P, D. P. D. Saputra, P. L. Hendrayati, I. P. D. N. Parahyangan, I. A. D. G. S. (2018) '*Molecular Docking Sianidin dan Peonidin sebagai Antiinflamasi pada Aterosklerosis Secara In Silico*', *Jurnal Farmasi Udayana*, 7(1), p. 28. doi: 10.24843/jfu.2018.v07.i01.p04.

Tian, T. *et al.* (2013) '*Genistein exhibits anti-cancer effects via down-regulating FoxM1 in H446 small-cell lung cancer cells*', *Tumor Biology*, 35(5), pp. 4137–4145. doi: 10.1007/s13277-013-1542-0.

Wang, Q. *et al.* (2016) '*Anti-inflammatory effects, nuclear magnetic resonance identification, and high-performance liquid chromatography isolation of the total flavonoids from Artemisia frigida*', *Journal of Food and Drug Analysis*, 24(2), pp. 385–391. doi: 10.1016/j.jfda.2015.11.004.

Wang, T. yang, Li, Q. and Bi, K. shun (2018) '*Bioactive flavonoids in medicinal*

plants: Structure, activity and biological fate', *Asian Journal of Pharmaceutical Sciences*, 13(1), pp. 12–23. doi: 10.1016/j.ajps.2017.08.004.

Wieder, M. *et al.* (2016) '*Pharmacophore Models Derived From Molecular Dynamics Simulations of Protein-Ligand Complexes: A Case Study*', *Natural Product Communications*, 11(10), pp. 1499–1504. doi: 10.1177/1934578x1601101019.

Woo, Y. *et al.* (2012) '*Flavanones inhibit the clonogenicity of HCT116 cololectal cancer cells*', *International Journal of Molecular Medicine*, 29(3), pp. 403–408. doi: 10.3892/ijmm.2011.857.

Xia, R. *et al.* (2018) '*Hesperidin induces apoptosis and GO/G1 arrest in human non-small cell lung cancer A549 cells*', *International Journal of Molecular Medicine*, 41(1), pp. 464–472. doi: 10.3892/ijmm.2017.3250.

Xiang Li, Guanglin Chen, Xiaojie Zhang, Qiang Zhang, Shilong Zheng, G. W. and Q.-H. C. (2017) '*A new class of flavonol-based anti-prostate cancer agents: design, synthesis, and evaluation in cell models*', *HHS Public Access Author*, 17(26), pp. 4241–4245. doi: 10.1016/j.bmcl.2016.07.050.

Xingyu, Z. *et al.* (2016) '*Quercetin suppresses lung cancer growth by targeting Aurora B kinase*', *Cancer Medicine*, 5(11), pp. 3156–3165. doi: 10.1002/cam4.891.

Yuan, M. *et al.* (2019) '*The emerging treatment landscape of targeted therapy in non- small-cell lung cancer*', *Springer Nature*, 4(1), p. 61. doi: 10.1038/s41392-019-0099-9.

Zhou, Z. *et al.* (2017) '*Apigenin inhibits cell proliferation, migration, and invasion by targeting Akt in the A549 human lung cancer cell line*', *Anti-Cancer Drugs*, 28(4), pp. 446–456. doi: 10.1097/CAD.0000000000000479.