

DAFTAR PUSTAKA

- Abdullah, S. S., Putra, P. P., Antasionasti, I., Rundengan, G., Suoth, E. J., Abdullah, R. P. I., & Abdullah, F. (2021). Analisis sifat fisikokimia, farmakokinetik, dan toksikologi pada pericarpium pala (*Myristica fragrans*) secara artificial intelligence. *Chemistry Progress*, 14(2), 81. <https://doi.org/10.35799/cp.14.2.2021.37112>
- Adhityasmara, D., Indriyanti, E., Ramonah, D., & Elisa, N. (2023). Profiling GC-MS ethanol extract of putri malu leaves (*Mimosa pudica* L.) and it's potential as anti-cholesterol in vitro. *JKPK (Jurnal Kimia Dan Pendidikan Kimia)*, 8(1), 75–85.
- Adurosakin, O. E., Iweala, E. J., Otike, J. O., Dike, E. D., Uche, M. E., Owanta, J. I., Ugbogu, O. C., Chinedu, S. N., & Ugbogu, E. A. (2023). Ethnomedicinal uses, phytochemistry, pharmacological activities and toxicological effects of *Mimosa pudica*- A review. *Pharmacological Research - Modern Chinese Medicine*, 7(March). <https://doi.org/10.1016/j.prmcm.2023.100241>
- Afham, M., Teruna, H. Y., & Hendra, R. (2022). The potential of *Mimosa pudica* L as an α -glucosidase inhibitor and antioxidant agent. *Pharmacy Education*, 22(2), 1–4. <https://doi.org/10.46542/pe.2022.222.14>
- Ahuchaogu, A. A., Chukwu, O. J., & Echeme, J. O. (2017). Secondary metabolites from *Mimosa pudica*: Isolation, purification and NMR characterization. *IOSR Journal of Applied Chemistry*, 10(3), 15–20. <https://doi.org/10.9790/5736-1003011520>
- Amin, A., Naveed, M., Sarwar, A., Rasheed, S., Saleem, H. G. M., Latif, Z., & Bechthold, A. (2022). In vitro and in silico studies reveal *Bacillus cereus* AA-18 as a potential candidate for bioremediation of mercury-contaminated wastewater. *Frontiers in Microbiology*, 13(June), 1–13. <https://doi.org/10.3389/fmicb.2022.847806>
- Andarini, S., Syahrudin, E., Aditya, N., Zaini, J., Kurniawan, F. D., Ermayanti, S., Soeroso, N. N., Munir, S. M., Infianto, A., Rima, A., Setyawan, U. A., Wulandari, L., Haryati, H., Jasminarti, I. A., & Santoso, A. (2023). Indonesian

- Society of Respiriology (ISR) consensus statement on lung cancer screening and early detection in Indonesia. *Jurnal Respiriologi Indonesia*, 43(2), 144–150. <https://doi.org/10.36497/jri.v43i2.455>
- Angio, M. H. (2020). Koleksi buah lokal kebun raya Purwodadi sebagai sumber belajar biologi berbasis konservasi. *Wahana-Bio: Jurnal Biologi Dan Pembelajarannya*, 12(1), 11. <https://doi.org/10.20527/wb.v12i1.10733>
- Arazu, V. A., Nelson, C., Henrietta, U. O., Akinwonmi, A., Ochepo, A. S., & Samuel, C. (2022). Inhibitory effect of gedunin analogue against the Plasmodium falciparum dihydrofolate reductase. *Asian Journal of Research in Biochemistry, October*, 1–10. <https://doi.org/10.9734/ajrb/2022/v11i130234>
- Ardiansyah, Risnita, & Jailani, M. S. (2023). Teknik pengumpulan data dan instrumen penelitian ilmiah pendidikan pada pendekatan kualitatif dan kuantitatif. *Jurnal IHSAN: Jurnal Pendidikan Islam*, 1(2), 1–9. <https://doi.org/10.61104/ihsan.v1i2.57>
- Arfiandi, A., Nofita, D., & Fadjria, N. (2022). Efek antiinflamasi ekstrak etanol daun putri malu (*Mimosa pudica* Linn). *Journal of Pharmaceutical And Sciences*, 5(2), 274–278. <https://doi.org/10.36490/journal-jps.com.v5i2.145>
- Ariawan, M. W., Indrayati, A., & Supriyadi, S. (2022). Aktivitas iron chelator ekstrak etanol dan fraksi daun putri malu (*Mimosa pudica* L) terhadap pasien thalasemia menggunakan metode Fic (Ferrous Ion Chelating). *Jurnal Fitofarmaka Indonesia*, 9(2), 1–6. <https://doi.org/10.33096/jffi.v9i2.838>
- Astuti, K. I., Fitriyanti, & Nur Huda. (2020). Uji aktivitas antidiare ekstrak etanol 96% herba putri malu (*Mimosa pudica* L.) terhadap mencit jantan yang diinduksi Oleum ricini. *Borneo Journal of Pharmascientech*, 4(1), 42–50. <https://doi.org/10.51817/bjp.v4i1.276>
- Ayodele, P. F., Bamigbade, A., Bamigbade, O. O., Adeniyi, I. A., Tachin, E. S., Seweje, A. J., & Farohunbi, S. T. (2023). Illustrated procedure to perform molecular docking using PyRx and Biovia Discovery Studio Visualizer: A case study of 10kt with Atropine. *Progress in Drug Discovery & Biomedical Science*, 6(1). <https://doi.org/10.36877/pddbs.a0000424>
- Azizah, N., Januarti, I. B., Masithoh, A., & Nisa, A. K. (2020). Antidiabetic activity

- from tablets effervescent extract of *Mimosa pudica* Linn leaves. *Jurnal Farmasi Sains Dan Praktis*, 6(2), 99–107. <https://doi.org/10.31603/pharmacy.v6i2.3008>
- Bagaskara, A., Triastuti, N., Yuliyanasari, N., Annisa Ayu Rezkitha, Y., Anas, M., & Indra Alfaray, R. (2022). Efficacy of putri malu leaf plant (*Mimosa pudica* Linn) as hepatoprotectors on ibuprofen induced hepatic damage in white mice (*Mus musculus*). *MAGNA MEDICA Berkala Ilmiah Kedokteran Dan Kesehatan*, 9(1), 01. <https://doi.org/10.26714/magnamed.9.1.2022.01-09>
- Bencardino, K., Manzoni, M., Delfanti, S., Riccardi, A., Danova, M., & Corazza, G. R. (2007). Epidermal growth factor receptor tyrosine kinase inhibitors for the treatment of non-small-cell lung cancer: Results and open issues. *Internal and Emergency Medicine*, 2(1), 3–12. <https://doi.org/10.1007/s11739-007-0002-5>
- Bray, F., Laversanne, M., Sung, H., Ferlay, J., Siegel, R. L., Soerjomataram, I., & Jemal, A. (2024). Global cancer statistics 2022: GLOBOCAN estimates of incidence and mortality worldwide for 36 cancers in 185 countries. *Cancer Journal for Clinicians*, 74(3), 229–263. <https://doi.org/10.3322/caac.21834>
- Carugo, O., & Djinovic Carugo, K. (2013). Half a century of ramachandran plots. *Acta Crystallographica Section D: Biological Crystallography*, 69(8), 1333–1341. <https://doi.org/10.1107/S090744491301158X>
- Chandran, C. (2014). PHYTOCHEMICAL AND GC-MS ANALYSIS OF LEAF EXTRACT OF *Mimosa pudica* L. International Journal of Current Research and Development PHYTOCHEMICAL AND GC-MS ANALYSIS OF LEAF EXTRACT OF *Mimosa pudica* L. *Research Article*, 2(1), 78–87. <http://www.journalcrd.com>
- Chase, M. W., Christenhusz, M. J. M., Fay, M. F., Byng, J. W., Judd, W. S., Soltis, D. E., Mabberley, D. J., Sennikov, A. N., Soltis, P. S., Stevens, P. F., Briggs, B., Brockington, S., Chautems, A., Clark, J. C., Conran, J., Haston, E., Möller, M., Moore, M., Olmstead, R., ... Weber, A. (2016). An update of the angiosperm phylogeny group classification for the orders and families of

- flowering plants: APG IV. *Botanical Journal of the Linnean Society*, 181(1), 1–20. <https://doi.org/10.1111/boj.12385>
- Chen, X., Li, H., Tian, L., Li, Q., Luo, J., & Zhang, Y. (2020). Analysis of the physicochemical properties of Acaricides based on Lipinski's Rule of Five. *Journal of Computational Biology*, 27(9), 1397–1406. <https://doi.org/10.1089/cmb.2019.0323>
- Chow, E., Rendleman, C. A., Bowers, K. J., Dror, R. O., H, D., Gullingsrud, J., Sacerdoti, F. D., & Shaw, D. E. (2008). Desmond performance on a cluster of multicore processors. *Simulation*, July, 1–14.
- Colovos, C., & Yeates, T. O. (1993). Verification of protein structures: Patterns of nonbonded atomic interactions. *Protein Science*, 2(9), 1511–1519. <https://doi.org/10.1002/pro.5560020916>
- Dari, D. W., Andika, & Mirajunnisa. (2022). Uji potensi senyawa metabolit sekunder tanaman putri malu (*Mimosa pudica* L.) sebagai inhibitor xanthine oxidase secara in silico. *Jurnal Ilmu Kefarmasian*, 3(2), 171–183. <https://www.rcsb.org/>
- Das, J., Samadder, A., Das, S., Paul, A., & Khuda-Bukhsh, A. R. (2016). Nanopharmaceutical approach for enhanced anti-cancer activity of betulinic acid in lung-cancer treatment via activation of PARP: Interaction with DNA as a target anti-cancer potential of nano-betulinic acid in lung cancer. *Journal of Pharmacopuncture*, 19(1), 37–44. <https://doi.org/10.3831/KPI.2016.19.005>
- Díaz, M., Lobo, F., Hernández, D., Amesty, Á., Valdés-Baizabal, C., Canerina-Amaro, A., Mesa-Herrera, F., Soler, K., Boto, A., Marín, R., Estévez-Braun, A., & Lahoz, F. (2021). Fltx2: A novel tamoxifen derivative endowed with antiestrogenic, fluorescent, and photosensitizer properties. *International Journal of Molecular Sciences*, 22(10). <https://doi.org/10.3390/ijms22105339>
- Dinda, B., Ghosh, B., Arima, S., Sato, N., & Harigaya, Y. (2006). Steroids and terpenoid from *Mimosa pudica* roots. *Journal of the Indian Chemical Society*, 83(10), 1044–1046. <https://doi.org/10.1002/chin.200733168>
- El-Hachem, N., Haibe-Kains, B., Khalil, A., Kobeissy, F. H., & Nemer, G. (2017). AutoDock and AutoDockTools for protein-ligand docking: Beta-site amyloid

- precursor protein cleaving enzyme 1(BACE1) as a case study. *Methods in Molecular Biology*, 1598, 391–403. https://doi.org/10.1007/978-1-4939-6952-4_20
- Elslinger, M. A., & Wilson, I. A. (2012). Structure validation and analysis. In *Comprehensive Biophysics* (Vol. 1). Elsevier Ltd. <https://doi.org/10.1016/B978-0-12-374920-8.00110-7>
- Faturrahman, M. A., Putri, R. R., Andriani, A. T., Billah, S. Z. A., Nafisa, S., & Afifah, A. B. (2024). Studi literatur: Aktivitas farmakologis putri malu (*Mimosa pudica* L.). *Jurnal Biogenerasi*, 9(1), 940–948. <https://e-journal.my.id/biogenerasi>
- Forli, S., Huey, R., Pique, M. E., Sanner, M., Goodsell, D. S., & Arthur, J. (2016). *Computational protein-ligand docking and virtual drug screening with the AutoDock suite*. 11(5), 905–919. <https://doi.org/10.1038/nprot.2016.051>. Computational
- Franco, C. de J. P., Ferreira, O. O., Cruz, J. N., Varela, E. L. P., de Moraes, Â. A. B., Nascimento, L. D. do, Cascaes, M. M., Souza Filho, A. P. da S., Lima, R. R., Percário, S., Oliveira, M. S. de, & Andrade, E. H. de A. (2022). Phytochemical profile and herbicidal (Phytotoxic), antioxidants potential of essential oils from *Calycolpus goetheanus* (Myrtaceae) specimens, and in silico study. *Molecules*, 27(15), 2–18. <https://doi.org/10.3390/molecules27154678>
- Frezzetti, D., Gallo, M., Maiello, M. R., D'Alessio, A., Esposito, C., Chicchinelli, N., Normanno, N., & De Luca, A. (2017). VEGF as a potential target in lung cancer. *Expert Opinion on Therapeutic Targets*, 21(10), 959–966. <https://doi.org/10.1080/14728222.2017.1371137>
- Gandhi, M. Y., Prasad, S. B., Kumar, V., Soni, H., Rawat, H., Mishra, S. K., Grewal, J., Singh, S., Charde, V., Gupta, A., Jha, S. K., Singh, G., Tandon, S., Mrkute, A., Ramamurthy, P. C., Narasimhaji, C. V., Singh, A., Singh, R., Srikanth, N., ... Webster, T. J. (2023). Quantification of phytochemicals and metal ions as well as the determination of volatile compounds, antioxidant, antimicrobial and antacid activities of the *Mimosa pudica* L. leaf: Exploration of neglected

- and under-utilized part. *Chemistry and Biodiversity*, 20(10).
<https://doi.org/10.1002/cbdv.202301049>
- Gleeson, M. P., Hersey, A., & Hannongbua, S. (2011). In-silico ADME models: A general assessment of their utility in drug discovery applications. *Current Topics in Medicinal Chemistry*, 11(4), 358–381.
<https://doi.org/10.2174/156802611794480927>
- Gopinath, M., Bharathiraja, B., Iyyappan, J., Gnanasekaran, R., Yuvaraj, D., & Dhithya, V. (2020). Extracellular green synthesis of silver nanoparticles using extract of *Mimosa pudica* leaves and assessment of antibacterial and antifungal activity. *Proceedings of the National Academy of Sciences India Section B - Biological Sciences*, 90(5), 1025–1033. <https://doi.org/10.1007/s40011-020-01175-1>
- Halgren, T. A. (1999). MMFF VII. Characterization of MMFF94, MMFF94s, and other widely available force fields for conformational energies and for intermolecular-interaction energies and geometries. *Journal of Computational Chemistry*, 20(7), 730–748. [https://doi.org/10.1002/\(SICI\)1096-987X\(199905\)20:7<730::AID-JCC8>3.0.CO;2-T](https://doi.org/10.1002/(SICI)1096-987X(199905)20:7<730::AID-JCC8>3.0.CO;2-T)
- Hassan, N. A., Karunakaran, R., & Abdulmumin, S. (2019). A review on the pharmacological and traditional properties of *Mimosa pudica*. *International Journal of Pharmacy and Pharmaceutical Sciences*, 11(3), 12–16.
<https://doi.org/10.22159/ijpps.2019v11i3.30452>
- Hollingsworth, S. A., & Dror, R. O. (2018). Molecular dynamics simulation for all. *Neuron*, 99(6), 1129–1143. <https://doi.org/10.1016/j.neuron.2018.08.011>
- Hoque, I., Chatterjee, A., Bhattacharya, S., & Biswas, R. (2017). An approach of computer-aided drug design (CADD) tools for in silico pharmaceutical drug design and development. *Int. J. Adv. Res. Biol. Sci*, 4(2), 60–71.
<https://doi.org/10.22192/ijarbs>
- Ibrahim, M. T., Uzairu, A., Shallangwa, G. A., & Uba, S. (2021). Molecular docking investigation and pharmacokinetic properties prediction of some anilinopyrimidines analogues as EGFR T790M tyrosine kinase inhibitors. *Egyptian Journal of Basic and Applied Sciences*, 8(1), 203–213.

<https://doi.org/10.1080/2314808X.2021.1946650>

- Jose, J., Dhanya, A. T., Haridas, K. R., Sumesh Kumar, T. M., Jayaraman, S., Variyar, E. J., & Sudhakaran, S. (2016). Structural characterization of a novel derivative of myricetin from *Mimosa pudica* as an anti-proliferative agent for the treatment of cancer. *Biomedicine and Pharmacotherapy*, 84, 1067–1077. <https://doi.org/10.1016/j.biopha.2016.10.020>
- Jose, M., Silva, D., Vilegas, W., Aparecido, M., Paula, A., Paiotti, R., Mercaldi, M., Luiz, P., Ruiz, M., Foot, C., Moura, G. De, Tizuko, C., Oshima, F., & Ribeiro, D. A. (2017). The anti-inflammatory potential of *Mimosa caesalpinifolia* following experimental colitis: Role of COX-2 and TNF-alpha expression authors. *Drug Res*, 12. <https://doi.org/https://doi.org/10.1055/s-0043-1197>
- Josewin, B., Ramachandrapai, M., & Suseelan, M. S. (1999). A new phenolic ketone from the leaves of *Mimosa pudica* Linn. *Indian Journal of Chemistry - Section B Organic and Medicinal Chemistry*, 38(2), 251–253.
- Kar, S., & Leszczynski, J. (2020). Open access in silico tools to predict the ADMET profiling of drug candidates. *Expert Opinion on Drug Discovery*, 15(12), 1473–1487. <https://doi.org/10.1080/17460441.2020.1798926>
- Kawakita, Y., Seto, M., Ohashi, T., Tamura, T., Yusa, T., Miki, H., Iwata, H., Kamiguchi, H., Tanaka, T., Sogabe, S., Ohta, Y., & Ishikawa, T. (2013). Design and synthesis of novel pyrimido[4,5-b]azepine derivatives as HER2/EGFR dual inhibitors. *Bioorganic and Medicinal Chemistry*, 21(8), 2250–2261. <https://doi.org/10.1016/j.bmc.2013.02.014>
- Kesuma, D., Siswandono, S., Purwanto, B. T., & Hardjono, S. (2018). Uji in silico aktivitas sitotoksik dan toksisitas senyawa turunan N-(Benzoil)-N'-feniltiourea sebagai calon obat antikanker. *JPSCR: Journal of Pharmaceutical Science and Clinical Research*, 3(1), 1. <https://doi.org/10.20961/jpscr.v3i1.16266>
- Kim, S., Chen, J., Cheng, T., Gindulyte, A., He, J., He, S., Li, Q., Shoemaker, B. A., Thiessen, P. A., Yu, B., Zaslavsky, L., Zhang, J., & Bolton, E. E. (2023). PubChem 2023 update. *Nucleic Acids Research*, 51(D1), D1373–D1380. <https://doi.org/10.1093/nar/gkac956>

- Kusumawardhani, A. R., Yuniar, A., Ariyanto, E. J., Maariz, M. F., Ambarati, T., Anggun, Y., Mulki, M. A., & Malau, J. (2022). Target aksi obat gefitinib pada reseptor tirosin kinase terhadap penyakit kanker paru. *Jurnal Pendidikan Dan Konseling*, 4(6), 1707–1715. <https://doi.org/https://doi.org/10.31004/jpdk.v4i6.9796>
- Lipinski, C. A. (2004). Lead- and drug-like compounds: The rule-of-five revolution. *Drug Discovery Today: Technologies*, 1(4), 337–341. <https://doi.org/10.1016/j.ddtec.2004.11.007>
- Lobstein, A., Weniger, B., Um, B. H., Steinmetz, M., Declercq, L., & Anton, R. (2002). 4"-hydroxymaysin and cassiaoccidentalin B, two unusual C-glycosylflavones from *Mimosa pudica* (Mimosaceae). *Biochemical Systematics and Ecology*, 30(4), 375–377. [https://doi.org/10.1016/S0305-1978\(01\)00086-2](https://doi.org/10.1016/S0305-1978(01)00086-2)
- Lu, H.-M., Yin, D.-C., Ye, Y.-J., Luo, H.-M., Geng, L.-Q., Li, H.-S., Guo, W.-H., & Shang, P. (2009). Correlation between protein sequence similarity and x-ray diffraction quality in the protein data bank. *Protein & Peptide Letters*, 16(1), 50–55. <https://doi.org/10.2174/092986609787049457>
- Martínez, L. (2015). Automatic identification of mobile and rigid substructures in molecular dynamics simulations and fractional structural fluctuation analysis. *PLoS ONE*, 10(3), 1–10. <https://doi.org/10.1371/journal.pone.0119264>
- Morales, M., Fortunato, R. H., & Simon, M. F. (2020). A new species of *Mimosa* L. ser. *Bipinnatae* DC. (leguminosae) from the cerrado: Taxonomic and phylogenetic insights. *Plants*, 9(8), 1–11. <https://doi.org/10.3390/plants9080934>
- Muliana, G. ., Magfirah, R., & Hasanah, U. (2023). Potensi herba dan rempah sebagai tanaman obat keluarga. *Bioma*, 5(2), 1–11. <https://doi.org/10.31605/bioma.v5i2.2883>
- Novotny, L., Mahmoud, F., Abdel-Hamid, M., & Hunakova, L. (2017). Anticancer potential of β -sitosterol. *International Journal of Clinical Pharmacology & Pharmacotherapy*, 2(2). <https://doi.org/10.15344/2456-3501/2017/129>
- Oktavia, L., Fuad, A. M., Senjaya, S. K., & Yuliyawati, Y. (2022). Naturally

- occurring compounds as potential inhibitors of Epidermal Growth Factor Receptors (EGFRs). *Combinatorial Chemistry & High Throughput Screening*, 26(6), 1093–1107. <https://doi.org/10.2174/1386207325666220726164712>
- Parker, C. (2017). *Mimosa pudica (sensitive plant)*. CABI Compendium. <https://doi.org/10.1079/cabicompendium.34202>
- Parmar, F., Kushawaha, N., Highland, H., & George, L. B. (2015). In vitro antioxidant and anticancer activity of *Mimosa pudica* linn extract and L-Mimosine on lymphoma daudi cells. *International Journal of Pharmacy and Pharmaceutical Sciences*, 7(12), 100–104.
- Patro, G., Bhattamisra, S., Mohanty, B., & Sahoo, H. (2016). In vitro and in vivo Antioxidant evaluation and estimation of total phenolic, flavonoidal content of *Mimosa pudica* L. *Pharmacognosy Research*, 8(1), 22–28. <https://doi.org/10.4103/0974-8490.171099>
- Pires, D. E. V., Blundell, T. L., & Ascher, D. B. (2015). pkCSM: Predicting small-molecule pharmacokinetic and toxicity properties using graph-based signatures. *Journal of Medicinal Chemistry*, 58(9), 4066–4072. <https://doi.org/10.1021/acs.jmedchem.5b00104>
- Pollastri, M. P. (2010). Overview on the rule of five. *Current Protocols in Pharmacology*, SUPPL. 49, 1–8. <https://doi.org/10.1002/0471141755.ph0912s49>
- Prasetiawati, R., Suherman, M., Permana, B., & Rahmawati, R. (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), 8. <https://doi.org/10.24198/ijpst.v8i1.29872>
- Pratiwi, S. T., Riska, A., & Ratwita, W. (2019). Efek diuretik ekstrak etanol daun putri malu (*Mimosa pudica* L.) dibandingkan dengan hidroklorotiazid pada kelinci (*Lepus negricollis*) jantan. *Medika Kartika Jurnal Kedokteran Dan Kesehatan*, 2(Volume 2 No 2), 88–97. <https://doi.org/10.35990/mk.v2n2.p88-97>
- Rahmawati, D. N., & Sriyati, S. (2024). Kajian etnobotani tanaman bambu dan pemanfaatannya di kampung Gombong Nyiru Kabupaten Bandung Barat

- sebagai implementasi etnopedagogi materi biologi pada kurikulum merdeka. *Biodik*, 10(2), 64–79. <https://doi.org/10.22437/biodik.v10i2.33674>
- Rayan, B., & Rayan, A. (2017). Avogadro program for chemistry education: To what extent can molecular visualization and Three-dimensional simulations enhance meaningful chemistry learning? *World Journal of Chemical Education*, 5(4), 136–141. <https://doi.org/10.12691/wjce-5-4-4>
- Renadi, S., Pratita, A. T. K., Mardianingrum, R., & Ruswanto, dan R. (2023). The potency of alkaloid derivatives as anti-breast cancer candidates: In silico study. *Jurnal Kimia Valensi*, 9(1), 89–108. <https://doi.org/10.15408/jkv.v9i1.31481>
- Rini, A. S., Hairrudin, H., & Sugiyanta, S. (2013). Efektivitas ekstrak putri malu (*Mimosa pudica* Linn.) sebagai nefroprotektor pada tikus wistar yang diinduksi parasetamol dosis toksik. *Pustaka Kesehatan*, 1(1), 15–19.
- Rizki, M. I., Chabib, L., Nabil, A., & Yusuf, B. (2015). Tanaman dengan aktivitas anti-asma. *Jurnal Pharmascience*, 2(1), 1–9.
- Robot, R. Y., Durry, M. F., & Kairupan, C. F. (2021). Morfologi, patogenesis, dan imunoterapi kanker paru tipe adenokarsinoma. *Medical Scope Journal*, 3(1), 74. <https://doi.org/10.35790/msj.3.1.2021.33544>
- Rose, P. W., Prlić, A., Bi, C., Bluhm, W. F., Christie, C. H., Dutta, S., Green, R. K., Goodsell, D. S., Westbrook, J. D., Woo, J., Young, J., Zardecki, C., Berman, H. M., Bourne, P. E., & Burley, S. K. (2015). The RCSB Protein Data Bank: Views of structural biology for basic and applied research and education. *Nucleic Acids Research*, 43(D1), D345–D356. <https://doi.org/10.1093/nar/gku1214>
- Ruswanto, R., Mardianingrum, R., & Yanuar, A. (2022). Computational studies of thiourea derivatives as anticancer candidates through inhibition of sirtuin-1 (SIRT1). *Jurnal Kimia Sains Dan Aplikasi*, 25(3), 87–96. <https://doi.org/10.14710/jksa.25.3.87-96>
- Ruswanto, R., Miftah, A. M., Tjahjono, D. H., & Siswandono. (2021). In silico study of 1-benzoyl-3-methylthiourea derivatives activity as epidermal growth factor receptor (EGFR) tyrosine kinase inhibitor candidates. *Chemical Data Collections*, 34(36), 100741. <https://doi.org/10.1016/j.cdc.2021.100741>

- Saharuddin, Hashary, A. R., & Paerah, I. A. P. (2021). Formulasi sabun cair antibakteri ekstrak etanol 70% daun putri malu (*Folium mimosa pudica* L.). *Jurnal Medika Hutama*, 2(2), 757–763. <https://jurnalmedikahutama.com>
- Sander, U. O., Ricci, A., Kuhn, B., Friess, T., Koldewey, P., Kuglstatter, A., Hewings, D., Goergler, A., Steiner, S., Rueher, D., Imhoff, M.-P., Raschetti, N., Marty, H.-P., Dietzig, A., Rynn, C., Ehler, A., Burger, D., Kornacker, M., Schaffland, J. P., ... Jaeschke, G. (2022). Discovery of novel allosteric EGFR L858R inhibitors for the treatment of Non-Small Cell Lung Cancer as single agent or in combination with osimertinib. *Journal of Medicinal Chemistry*, 65(19), 1–63. <https://doi.org/10.1021/acs.jmedchem.2c00893>
- Santos, G. D. C., Shepherd, F. A., & Tsao, M. S. (2011). EGFR mutations and lung cancer. *Annual Review of Pathology: Mechanisms of Disease*, 6, 49–69. <https://doi.org/10.1146/annurev-pathol-011110-130206>
- Serafeim, A. P., Salamanos, G., Patapati, K. K., & Glykos, N. M. (2016). Sensitivity of folding molecular dynamics simulations to even minor force field changes. *Journal of Chemical Information and Modeling*, 56(10), 2035–2041. <https://doi.org/10.1021/acs.jcim.6b00493>
- Shehawy, A. A., Ibrahim, M. T., Alrefaei, A. F., Mohamed, H. A.-D., Aboutaleb, E. S., & Kadasah, S. (2022). Assessment of antitumor activity of β -sitosterol- β -D-glucoside isolated and identified from *Justicia brandegeana*. *International Journal of Nutrition and Food Sciences 2022, Volume 11, Page 159*, 11(5), 159–169. <https://doi.org/10.11648/j.ijnfs.20221105.17>
- Singh, R., Kumar, V., Das, P., & Bhattacharjee, D. (2020). Benchmarking the ability of novel compounds to inhibit SARS-CoV-2 main protease using steered molecular dynamics simulations. *Elsevier, January*.
- Singh, S., Bani Baker, Q., & Singh, D. B. (2021). Molecular docking and molecular dynamics simulation. *Bioinformatics: Methods and Applications*, 291–304. <https://doi.org/10.1016/B978-0-323-89775-4.00014-6>
- Sorkun, M. C., Khetan, A., & Er, S. (2019). AqSolDB, a curated reference set of aqueous solubility and 2D descriptors for a diverse set of compounds. *Scientific Data*, 6(1), 1–8. <https://doi.org/10.1038/s41597-019-0151-1>

- Sugiyono. (2013). *Metode penelitian kuantitatif-kualitatif dan R&D* (A. I. P. I. (IKAPI) (ed.); 19th ed.). Alfabeta. www.cvalfabeta.com
- Sulistanti, E., Pratama, I. S., Hidayati, A. R., & Wirasisya, D. G. (2022). Uji aktivitas mukolitik rebusan herba putri malu (*Mimosa pudica* L) secara in vitro. *E-Jurnal Medika Udayana*, 11(7), 56. <https://doi.org/10.24843/mu.2022.v11.i7.p09>
- Tam, B., Sinha, S., & Wang, S. M. (2020). Combining ramachandran plot and molecular dynamics simulation for structural-based variant classification: Using TP53 variants as model. *Computational and Structural Biotechnology Journal*, 18, 4033–4039. <https://doi.org/10.1016/j.csbj.2020.11.041>
- Tasnuva, S. T., Qamar, U. A., Ghafoor, K., Sahena, F., Jahurul, M. H. A., Rukshana, A. H., Juliana, M. J., Al-Juhaimi, F. Y., Jalifah, L., Jalal, K. C. A., Ali, M. E., & Zaidul, I. S. M. (2019). α -glucosidase inhibitors isolated from *Mimosa pudica* L. *Natural Product Research*, 33(10), 1495–1499. <https://doi.org/10.1080/14786419.2017.1419224>
- Venneti, K. C., & Hewage, C. M. (2011). Conformational and molecular interaction studies of glucagon-like peptide-2 with its N-terminal extracellular receptor domain. *FEBS Letters*, 585(2), 346–352. <https://doi.org/10.1016/j.febslet.2010.12.011>
- Wallner, B., & Elofsson, A. (2006). Identification of correct regions in protein models using structural, alignment, and consensus information. 900–913. <https://doi.org/10.1110/ps.051799606.different>
- Wieduwilt, M. J., & Moasser, M. M. (2008). The epidermal growth factor receptor family: Biology driving targeted therapeutics. *Cellular and Molecular Life Sciences*, 65(10), 1566–1584. <https://doi.org/10.1007/s00018-008-7440-8>
- Wiltgen, M. (2018). Algorithms for structure comparison and analysis: Homology modelling of proteins. In *Encyclopedia of Bioinformatics and Computational Biology: ABC of Bioinformatics* (Vols. 1–3). Elsevier Ltd. <https://doi.org/10.1016/B978-0-12-809633-8.20484-6>
- Winarsih, S., Khasanah, U., & Alfatah, A. H. (2019). Aktivitas antibiofilm fraksi etil asetat ekstrak daun putri malu (*Mimosa pudica*) pada bakteri methicilin-

- resistant *Staphylococcus aureus* (MRSA) secara in vitro. *Majalah Kesehatan*, 6(2), 76–85. <https://doi.org/10.21776/ub.majalahkesehatan.006.02.1>
- Wulan, W., Yudistira, A., & Rotinsulu, H. (2019). Uji aktivitas antioksidan dari ekstrak etanol daun *Mimosa pudica* Linn. menggunakan metode DPPH. *Pharmakon*, 8(1), 106. <https://doi.org/10.35799/pha.8.2019.29243>
- Zhang, X., Wang, J., Zhu, L., Wang, X., Meng, F., Xia, L., & Zhang, H. (2022). Advances in stigmasterol on its anti-tumor effect and mechanism of action. *Frontiers in Oncology*, 12(December), 1–13. <https://doi.org/10.3389/fonc.2022.1101289>
- Zhao, R., Shu, Y., Xu, W., Jiang, F., Ran, P., Pan, L., Wang, J., & Wang, W. (2024). The efficacy of immunotherapy in non- small cell lung cancer with KRAS mutation : a systematic review and meta-analysis. *Cancer Cell International*, 24:361. <https://doi.org/10.1186/s12935-024-03498-9>
- Zheng, S. Y., Li, Y., Jiang, D., Zhao, J., & Ge, J. F. (2012). Anticancer effect and apoptosis induction by quercetin in the human lung cancer cell line A-549. *Molecular Medicine Reports*, 5(3), 822–826. <https://doi.org/10.3892/mmr.2011.726>
- Zhu, L., Yang, X., Wu, S., Dong, R., Yan, Y., Zhang, B., Tan, B., & Group, F. (2024). Hepatotoxicity of epidermal growth factor receptor-tyrosine kinase inhibitors (EGFR-TKIs). *Drug Metabolism Reviews*, 56(3), 302–317. <https://doi.org/10.1080/03602532.2024.2388203>
- Zippel, J., Deters, A., & Hensel, A. (2009). Arabinogalactans from *Mimosa tenuiflora* (Willd .) poiret bark as active principles for wound-healing properties: Specific enhancement of dermal fibroblast activity and minor influence on HaCaT keratinocytes. *Journal of Ethnopharmacology*, 124, 391–396. <https://doi.org/10.1016/j.jep.2009.05.034>