

DAFTAR PUSTAKA

- Ahmed, S., Ali, M. C., Ruma, R. A., Mahmud, S., Paul, G. K., Saleh, M. A., Alshahrani, M. M., Obaidullah, A. J., Biswas, S. K., Rahman, M. M., Rahman, M. M., & Islam, M. R. (2022). Molecular Docking and Dynamics Simulation of Natural Compounds from Betel Leaves (*Piper betle* L.) for Investigating the Potential Inhibition of Alpha-Amylase and Alpha-Glucosidase of Type 2 Diabetes. *Molecules*, 27(14). <https://doi.org/10.3390/molecules27144526>
- Alghamdi, J. M., Al-Qahtani, A. A., Alhamlan, F. S., & Al-Qahtani, A. A. (2024). Recent Advances in the Treatment of Malaria. *Pharmaceutics*, 16(11), 1416. <https://doi.org/10.3390/pharmaceutics16111416>
- Allredge, B. K., C. R. L., E. M. E., G. B. Joseph., J. P. A., K. W. A., W. B. R., . (2013). *Applied Therapeutics: The Clinical Use of Drugs* (Edisi Sepuluh). PA 19103 USA LWW.com.
- Amoah, B., Darko, Owusu-Asenso, C. M., Mensah, A., Seyram, A. C., Dzotefe, G. B., Ebobabaara, T. B., Opoku-Gyebi, F., Gordor, B. Y., & Obeng, C. (2023). Global trends in the burden of malaria: Contemporary diagnostic approaches, and treatment strategies. *World Journal Of Advanced Research and Reviews*. <https://doi.org/10.30574/wjarr.2023.20.1.2038>
- Armstrong, J. F., Campo, B., Alexander, S. P. H., Arendse, L. B., Cheng, X., Davenport, A. P., Faccenda, E., Fidock, D. A., Godinez-Macias, K. P., Harding, S. D., Kato, N., Lee, M. C. S., Luth, M. R., Mazitschek, R., Mittal, N., Niles, J. C., Okombo, J., Otilie, S., Pasaje, C. F. A., ... Davies, J. A. (2023). Advances in malaria pharmacology and the online guide to MALARIA PHARMACOLOGY: IUPHAR review 38. In *British Journal of Pharmacology* (Vol. 180, Number 15, pp. 1899–1929). John Wiley and Sons Inc. <https://doi.org/10.1111/bph.16144>
- Ashar, Y. K., Safira, P., & Lauchan, A. M. (2025). Association Between Climatic Factors and Malaria Incidence in Papua, Indonesia. *Gema Kesehatan Lingkungan*, 23(3), 438–444. <https://doi.org/10.36568/gelinkes.v23i3.301>
- Atanasov, A. G., Waltenberger, B., Pferschy-Wenzig, E. M., Linder, T., Wawrosch, C., Uhrin, P., Temml, V., Wang, L., Schwaiger, S., Heiss, E. H., Rollinger, J. M., Schuster, D., Breuss, J. M., Bochkov, V., Mihovilovic, M. D., Kopp, B., Bauer, R., Dirsch, V. M., & Stuppner, H. (2015). Discovery and resupply of pharmacologically active plant-derived natural products: A review. In *Biotechnology Advances* (Vol. 33, Number 8, pp. 1582–1614). Elsevier Inc. <https://doi.org/10.1016/j.biotechadv.2015.08.001>
- Batista, R., De Jesus Silva Júnior, A., & De Oliveira, A. B. (2009). Plant-derived antimalarial agents: New leads and efficient phytomedicines. part II. non-alkaloidal natural products. In *Molecules* (Vol. 14, Number 8, pp. 3037–3072). <https://doi.org/10.3390/molecules14083037>
- Carvalho, L., Luque-Ortega, J. R., Manzano, J. I., Castanys, S., Rivas, L., & Gamarro, F. (2010). Tafenoquine, an Antiplasmodial 8-Aminoquinoline, Targets Leishmania Respiratory Complex III and Induces Apoptosis. *Antimicrobial Agents and Chemotherapy*, 54(12), 5344–5351. <https://doi.org/10.1128/AAC.00790-10>
- 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(1), 42717. <https://doi.org/10.1038/srep42717>
- Darmin, W. O. Y. P. N., Arfan, A., Ruslin, R., Wu, C., & Arba, M. (2024). Docking-Based Virtual Screening to Identify the Cysteine Protease Falcipain-2 Inhibitors of Plasmodium falciparum. *Molekul: Jurnal Ilmiah Kimia*, 19(3), 406. <https://doi.org/10.20884/1.jm.2024.19.3.7376>
- Diseases, T. L. I. (2024). A new dawn for malaria prevention. *The Lancet Infectious Diseases*, 24(2), 107. [https://doi.org/10.1016/S1473-3099\(24\)00012-4](https://doi.org/10.1016/S1473-3099(24)00012-4)
- dos Santos, D. A. P., de C. Braga, P. A., Fernandes, J. B., Vieira, P. C., Magalhães, A. F., Magalhães, E. G., Marsaioli, A. J., de S. Moraes, V. R., Rattray, L., Croft, S. L., & da Silva, M. F. das G. F. (2009). Anti-African trypanocidal and antimalarial activity of natural flavonoids, dibenzoylmethanes and synthetic analogues. *Journal of Pharmacy and Pharmacology*, 61(2), 257–266. <https://doi.org/10.1211/jpp/61.02.0017>

- Ezugwu, J. A., Okoro, U. C., Ezeokonkwo, M. A., Hariprasad, K. S., Rudrapal, M., Ugwu, D. I., Gogoi, N., Chetia, D., Celik, I., & Ekoh, O. C. (2022). Design, Synthesis, Molecular Docking, Molecular Dynamics and In Vivo Antimalarial Activity of New Dipeptide-Sulfonamides. *Chemistryselect*, 7(5). <https://doi.org/10.1002/slct.202103908>
- Fentahun, S., Makonnen, E., Awas, T., & Giday, M. (2017). In vivo antimalarial activity of crude extracts and solvent fractions of leaves of *Strychnos mitis* in *Plasmodium berghei* infected mice. *BMC Complementary and Alternative Medicine*, 17(1). <https://doi.org/10.1186/s12906-016-1529-7>
- Forte, B., Otilie, S., Plater, A., Campo, B., Dechering, K. J., Gamo, F. J., Goldberg, D. E., Istvan, E. S., Lee, M., Lukens, A. K., McNamara, C. W., Niles, J. C., Okombo, J., Pasaje, C. F. A., Siegel, M. G., Wirth, D., Wyllie, S., Fidock, D. A., Baragaña, B., ... Gilbert, I. H. (2021). Prioritization of Molecular Targets for Antimalarial Drug Discovery. In *ACS Infectious Diseases* (Vol. 7, Number 10, pp. 2764–2776). American Chemical Society. <https://doi.org/10.1021/acsinfecdis.1c00322>
- Galingging, R. Y., Purwandari, S., & Tunisa, H. (2021). The potential and conservation of medicine plants in Central Kalimantan. In *IOP Conference Series: Earth and Environmental Science* (Vol. 913, Number 1). IOP Publishing Ltd. <https://doi.org/10.1088/1755-1315/913/1/012111>
- Ganesan, A., Coote, M. L., & Barakat, K. (2017). Molecular dynamics-driven drug discovery: leaping forward with confidence. *Drug Discovery Today*, 22(2), 249–269. <https://doi.org/https://doi.org/10.1016/j.drudis.2016.11.001>
- González, J. E. H., Salas-Sarduy, E., Alvarez, L. H., Valiente, P. A., Arni, R. K., & Pascutti, P. G. (2023). Three decades targeting falcipains to develop antiplasmodial agents: what have we learned and what can be done next? *Current Medicinal Chemistry*. <https://doi.org/10.2174/0929867331666230913165219>
- Gutiérrez-de-Terán, H., Nervall, M., Ersmark, K., Liu, P., Janka, L. K., Dunn, B., Hallberg, A., & Åqvist, J. (2006). Inhibitor Binding to the Plasmepsin IV Aspartic Protease from *Plasmodium falciparum*. *Biochemistry*, 45(35), 10529–10541. <https://doi.org/10.1021/bi0609669>
- Hogg, T., Nagarajan, K., Herzberg, S., Chen, L., Shen, X., Jiang, H., Wecke, M., Blohmke, C., Hilgenfeld, R., & Schmidt, C. L. (2006). Structural and functional characterization of falcipain-2, a hemoglobinase from the malarial parasite *Plasmodium falciparum*. *Journal of Biological Chemistry*, 281(35), 25425–25437. <https://doi.org/10.1074/jbc.M603776200>
- Husen, A. (2024). *Antimalarial Medicinal Plants*. CRC Press. <https://doi.org/10.1201/9781003378396>
- Jin, H., Xu, Z., Cui, K., Zhang, T., Lu, W., & Huang, J. (2014). Dietary flavonoids fisetin and myricetin: Dual inhibitors of *P. falciparum* falcipain-2 and plasmepsin II. *Fitoterapia*, 94, 55–61. <https://doi.org/https://doi.org/10.1016/j.fitote.2014.01.017>
- Kalauni, S. K., Awale, S., Tezuka, Y., Banskota, A. H., Linn, T. Z., & Kadota, S. (2005). New Cassane-Type Diterpenes of *Caesalpinia crista* from Myanmar. *Chemical and Pharmaceutical Bulletin*, 53(2), 214–218. <https://doi.org/10.1248/cpb.53.214>
- Kashyap, P., Thakur, M., Singh, N., Shikha, D., Kumar, S., Baniwal, P., Yadav, Y. S., Sharma, M., Sridhar, K., & Inbaraj, B. S. (2022). In Silico Evaluation of Natural Flavonoids as a Potential Inhibitor of Coronavirus Disease. *Molecules*, 27(19). <https://doi.org/10.3390/molecules27196374>
- Kesavulu, M. M., Gowda, A. S. P., Ramya, T. N. C., Surolia, N., & Suguna, K. (2005). Plasmepsin inhibitors: Design, synthesis, inhibitory studies and crystal structure analysis. *Journal of Peptide Research*, 66(4), 211–219. <https://doi.org/10.1111/j.1399-3011.2005.00288.x>
- Kusuma, J., Analianasari, Wahyudi, A., Abdullah, M. K., Hasan, A. Z., Asrowardi, I., Fitriani, & Tahir, M. (2025). Diversity of the non-targeted metabolomic data across various varieties of Cloves (*Syzygium* spp.). *Data in Brief*, 58, 111237. <https://doi.org/https://doi.org/10.1016/j.dib.2024.111237>
- Kusuma, Z., Nihayati, E., & Prayogo, C. (2018). The Plant Wisdom of Dayak Ot Danum, Central Kalimantan. *Journal of Tropical Life Science*, 8(2).

- Liem, S., Rostinawati, T., Lesmana, R., Sumiwi, S. A., Milanda, T., Mutakin, Puspitasari, I. M., & Levita, J. (2018). Modulation of caspase-3 expression by *Arcangelisia flava* post acetaminophen-induced hepatotoxicity in rat's liver. *Indonesian Biomedical Journal*, 10(2), 148–155. <https://doi.org/10.18585/inabj.v10i2.412>
- Lima, G. S., Lima, N. M., Roque, J. V., de Aguiar, D. V. A., Oliveira, J. V. A., dos Santos, G. F., Chaves, A. R., & Vaz, B. G. (2022). LC-HRMS/MS-Based Metabolomics Approaches Applied to the Detection of Antifungal Compounds and a Metabolic Dynamic Assessment of Orchidaceae. *Molecules*, 27(22). <https://doi.org/10.3390/molecules27227937>
- Linn, T. Z., Awale, S., Tezuka, Y., Banskota, A. H., Kalauni, S. K., Attamimi, F., Ueda, J., Asih, P. B. S., Syafruddin, D., Tanaka, K., & Kadota, S. (2005). Cassane- and Norcassane-Type Diterpenes from *Caesalpinia crista* of Indonesia and Their Antimalarial Activity against the Growth of *Plasmodium falciparum*. *Journal of Natural Products*, 68(5), 706–710. <https://doi.org/10.1021/np0401720>
- Lovin, E. R., Arwati, H., & Rb, R. (n.d.). IN VITRO INTRAERYTHROCYTIC ANTIMALARIAL ACTIVITY OF AKAR KUNING (*Arcangelisia flava* (L.) Merr.) STEM AQUEOUS EXTRACT IN *Plasmodium falciparum*. In *In Vitro Intraerythrocytic Antimalarial Activity of Akar Kuning*.
- Manzoor, M. F., Ahmad, N., Manzoor, A., & Ayesha, K. (2017). *Food based phytochemical luteolin their derivatives, sources and medicinal benefits*. <https://api.semanticscholar.org/CorpusID:134199055>
- Margulis, E., Dagan-Wiener, A., Ives, R. S., Jaffari, S., Siems, K., & Niv, M. Y. (2021). Intense bitterness of molecules: Machine learning for expediting drug discovery. *Computational and Structural Biotechnology Journal*, 19, 568–576. <https://doi.org/10.1016/j.csbj.2020.12.030>
- Morris, G. M., Ruth, H., Lindstrom, W., Sanner, M. F., Belew, R. K., Goodsell, D. S., & Olson, A. J. (2009). Software news and updates AutoDock4 and AutoDockTools4: Automated docking with selective receptor flexibility. *Journal of Computational Chemistry*, 30(16), 2785–2791. <https://doi.org/10.1002/jcc.21256>
- Nicolas, S., Bois, B., Billet, K., Romanet, R., Bahut, F., Uhl, J., Schmitt-Kopplin, P., & Gougeon, R. D. (2024). High-Resolution Mass Spectrometry-Based Metabolomics for Increased Grape Juice Metabolite Coverage. *Foods*, 13(1). <https://doi.org/10.3390/foods13010054>
- Oladejo, D. O., duselu, G. O., Dokunmu, T. M., Isewon, I., Oyelade, J., Okafor, E., Iweala, E. E. J., & Adebisi, E. (2023). In silico Structure Prediction, Molecular Docking, and Dynamic Simulation of *P. falciparum* AP2-I Transcription Factor. *Bioinformatics and Biology Insights*, 17. <https://doi.org/10.1177/11779322221149616>
- Pandey, A., Shyamal, S. S., Shrivastava, R., Ekka, S., & Mali, S. N. (2022). Inhibition of *P. falciparum* Fatty Acid Biosynthesis (FAS-II Pathway) by Natural Flavonoids: A Computer-Aided Drug Designing Approach. *Chemistry Africa*, 5, 1469–1491. <https://api.semanticscholar.org/CorpusID:251599468>
- Patrick, G. L. (2020). *Plasmepsins as targets for antimalarial agents* (pp. 217–270). Elsevier. <https://doi.org/10.1016/B978-0-08-101210-9.00007-X>
- 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>
- Potluri, H., Prasanth, D. S. N. B. K., & Atmakuri, L. R. (n.d.). In Vivo Antinociceptive Effect of Methanolic Extract of *Ipomoea marginata* Desr. in Rodents as well as In Silico Molecular Docking of Some Phytoconstituents from the Plant. In *Indian Journal of Pharmaceutical Sciences* (Vol. 732). Retrieved www.ijpsonline.com
- Pratama, R. R., Sholikhah, I., Sukardiman, Sahu, R. K., & Widyowati, R. (2023). Phytochemical Compounds Identification From 70% Ethanol Extract of *Arcangelesia Flava* (L.) Merr Stems Using LC-MS/MS and In-Silico Molecular Docking Approach as Inhibitor Interleukin-1 β . *Pharmacognosy Journal*, 15(4), 528–534. <https://doi.org/10.5530/pj.2023.15.114>

- Rajendran, J. (2013). Artemisinin-Based Therapy for Malaria. *American Journal of Medicine and Medical Sciences*, 3(4), 81–90. <http://article.sapub.org/pdf/10.5923.j.ajmms.20130304.05.pdf>
- Rawe, S., & McDonnell, C. M. (2020). *The cinchona alkaloids and the aminoquinolines* (pp. 65–98). Elsevier. <https://doi.org/10.1016/B978-0-08-101210-9.00003-2>
- Sahoo, R. N., Pattanaik, S., Pattnaik, G., Mallick, S., & Mohapatra, R. (n.d.). Review on the use of Molecular Docking as the First Line Tool in Drug Discovery and Development. In *Indian Journal of Pharmaceutical Sciences*. Retrieved www.ijpsonline.com
- Šamec, D., Karalija, E., Dahija, S., & Hassan, S. T. S. (2022). Biflavonoids: Important Contributions to the Health Benefits of Ginkgo (*Ginkgo biloba* L.). In *Plants* (Vol. 11, Number 10). MDPI. <https://doi.org/10.3390/plants11101381>
- Schlitzer, M. (2009). Medizinische Chemie der Wirkstoffe gegen Malaria. Wirk- und Resistenzmechanismen. *Pharmazie in Unserer Zeit*, 38(6), 512–520. <https://doi.org/10.1002/PAUZ.200900338>
- Sulistiarini, R., Soemardji, A. A., & Immaculata Iwo, M. (n.d.). Pharmacological Activities of Three Kinds “Kayu kuning”: *Arcangelisia flava*, *Fibraurea tinctoria* and *Coscinium fenestratum*-an Short Review. *J. Trop. Pharm. Chem.* 2020, 5(2). <https://doi.org/10.25026/jtpc.v5i2.258>
- Tavita, G. E., Lestari, D., Linda, R., Apindiati, R. K., & Rafdinal, R. (2022). Phytochemical Testing and In Vitro Anti-inflammatory Activity on Ethanol Extract of Akar Kuning (*Arcangelisia flava* L) Stems from West Kalimantan. *Jurnal Biologi Tropis*, 22(4), 1334–1339. <https://doi.org/10.29303/jbt.v22i4.4431>
- Venkatesan, P. (2024). The 2023 WHO World malaria report. *The Lancet Microbe*. [https://doi.org/10.1016/s2666-5247\(24\)00016-8](https://doi.org/10.1016/s2666-5247(24)00016-8)
- Windarsih, A., Suratno, Warmiko, H. D., Indrianingsih, A. W., Rohman, A., & Ulumuddin, Y. I. (2022). Untargeted metabolomics and proteomics approach using liquid chromatography-Orbitrap high resolution mass spectrometry to detect pork adulteration in *Pangasius hypophthalmus* meat. *Food Chemistry*, 386, 132856. <https://doi.org/https://doi.org/10.1016/j.foodchem.2022.132856>
- Wisnianti, D., Nasir, N., & Fitriah, W. O. I. (2024). Uji Aktivitas Antijamur Fraksi N- heksana, Etil Asetat dan Air Daun Rambutan Aceh (*Nephelium lappaceum* L.) Terhadap Pertumbuhan *Candida Albicans*. *Jurnal Pharmacia Mandala Waluya*, 3(6), 352–363. <https://doi.org/10.54883/jpmw.v3i6.158>
- Yabansabra, Y. R., Bowaire, A., Simaremare, E. S., Yaam, D. R., Tiris, A., & Nadeak, E. S. M. (2025). Phytochemical and Pharmacological Review of *Arcangelisia flava* (L.) Merr: Insights into Its Bioactive Compounds and Therapeutic Potential. *JURNAL BIOLOGI PAPUA*, 17(1), 82–92. <https://doi.org/10.31957/jbp.4508>
- Yang, C., Chen, E. A., & Zhang, Y. (2022). Protein–Ligand Docking in the Machine-Learning Era. *Molecules*, 27(14). <https://doi.org/10.3390/molecules27144568>
- Yusuf, Y., Asri, R. M., Go, R., Zuhair, M. N., Kharuddin, K. M., Parennden, M. D. K., Saputra, M. D., Elim, D., Banjar, M. F., & Hartono. (2024). Synergism of Anti-Malarial Effect of *Carica papaya* L. and *Moringa oleifera* Leaf Extract in Mice. *Majalah Obat Tradisional*, 29(1), 100–106. <https://doi.org/10.22146/mot.86703>
- Zou, Y., Ewalt, J., & Ng, H.-L. (2019). Recent Insights from Molecular Dynamics Simulations for G Protein-Coupled Receptor Drug Discovery. *International Journal of Molecular Sciences*, 20(17). <https://doi.org/10.3390/ijms20174237>