

DAFTAR PUSTAKA

- Anonim, 2019, *World Malaria Report 2019*, World Health Organization.
- Anonim, 2021, *WHO Guidelines for malaria*, World Health Organization.
- Ariey, F., Witkowski, B., Amaratunga, C., Beghain, J., Langlois, A. C., Khim, N., Kim, S., Duru, V., Bouchier, C., Ma, L., Lim, P., Leang, R., Duong, S., Sreng, S., Suon, S., Chuor, C. M., Bout, D. M., Ménard, S., Rogers, W. O., Genton, B., Fandeur, T., Miotto, O., Ringwald, P., Le Bras, J., Berry, A., Barale, J. C., Fairhurst, R. M., Benoit-Vical, F., Mercereau-Puijalon, O., and Ménard, D. A., 2014, Molecular Marker of Artemisinin-resistant *Plasmodium falciparum* Malaria, *Nature*,. 505(7481), 50-5.
- Basilico, N., Pagani, E., Monti, D., Oliaro, P., and Taramelli, D., 1998, A Microtitre-Based Method for Measuring The Haem Polymerization Inhibitory Activity (HPIA) of Antimalarial Drugs, *J. Antimicrob. Chemother.*, 42(1), 55–60.
- Carey, F. A., and Sundberg, R. J., 2007, *Advanced Organic Chemistry Part A: Structure and Mechanisms*, In *Advanced Organic Chemistry*.
- Chakrabarti, R., Rawat, P. S., Cooke, B. M., Coppel, R. L., and Patankar, S., 2013, Cellular Effects of Curcumin on *Plasmodium falciparum* Include Disruption of Microtubules, *PLoS ONE*., 8(3), 1–14.
- Dohutia, C., Chetia, D., Gogoi, K., Bhattacharyya, D. R., and Sarma, K., 2017, Molecular Docking, Synthesis and In Vitro Antimalarial Evaluation of Certain Novel Curcumin Analogues, *Braz. J. Pharm. Sci.*, 53(4), 1–14.
- Du, Z. Y., Liu, R. R., Shao, W. Y., Mao, X. P., Ma, L., Gu, L. Q., Huang, Z. S., and Chan, A. S. C., 2006, α -Glucosidase Inhibition of Natural Curcuminoids and Curcumin Analogs, *Eur. J. Med. Chem.*, 41(2), 213–218.
- Eckstein-Ludwig, U., Webb, R. J., Van Goethem, I. D. A., East, J. M., Lee, A. G., Kimura, M., O'Neill, P. M., Bray, P. G., Ward, S. A., and Krishna, S., 2003, Artemisinins Target the SERCA of *Plasmodium falciparum*, *Nature*., 424(6951), 957–961.
- Ermayanti, T. M., Prinadi, K. I., Chakrabarti, R., Rawat, P. S., Cooke, B. M., Coppel, R. L., Patankar, S., Reddy, R. C., Vatsala, P. G., Keshamouni, V. G., Padmanaban, G., and Rangarajan, P. N., 2005, Cellular Effects of Curcumin on *Plasmodium falciparum* Include Disruption of Microtubules, *Biochem. Biophys. Res. Commun.*, 17(2), 1–14.
- Ferreira, L. G., Dos Santos, R. N., Oliva, G., and Andricopulo, A. D., 2015,

Molecular Docking and Structure-Based Drug Design Strategies, *In Molecules*, 20(7)

Hakim, L., 2005, Malaria : Epidemiologi and Diagnosis Malaria, *Epidemiology and Diagnostic*,. 107–116.

Ji, H. F., and Shen, L, 2009, Interactions of Curcumin With The PfATP6 Model and The Implications for Its Antimalarial Mechanism. *Bioorg. Med. Chem. Lett.*, 19(9), 2453–2455.

Kavunga-Membo, H., Ilombe, G., Masumu, J., Matangila, J., Imponge, J., Manzambi, E., Wastenga, F., Ngoyi, D. M., Van Geetruyden, J. P., and Muyembe, J. J, 2018, Molecular Identification of Plasmodium Species in Symptomatic Children of Democratic Republic of Congo, *Malar. J.*, 17(1).

Lefevre, T., Ohm, J., Dabiré, K. R., Cohuet, A., Choisy, M., Thomas, M. B., and Cator, L, 2018, Transmission Traits of Malaria Parasites Within The Mosquito: Genetic Variation, Phenotypic Plasticity, and Consequences for Control, *Evolutionary Applications*., 11(4), 456–469.

Lipinski, C. A., Lombardo, F., Dominy, B. W., and Feeney, P. J, 2012, Experimental and Computational Approaches to Estimate Solubility and Permeability in Drug Discovery and Development Settings, *Adv. Drug Deliv. Rev.*, 64, 4–17.

Macomber, R. S., 1997 *A Complete Introduction to Modern NMR Spectroscopy*, 1st Ed., John Willey and Sons INC, New York.

Manuscript, A, 2012, *NIH Public Access*., 7(2), 146–157.

Nishanth Kumar S, Mohandas C, Siji JV, Rajasekharan KN, Nambisan B., 2012 Identification Of Antimicrobial Compound, Diketopiperazines, from A Bacillus Sp. N Strain Associated with A Rhabditid Entomopathogenic Nematode Against Major Plant Pathogenic Fungi. *J Appl Microbiol*, 113(4):914-24

Nagargoje, A. A., Akolkar, S. V., Subhedar, D. D., Shaikh, M. H., Sangshetti, J. N., Khedkar, V. M., and Shingate, B. B, 2020, Propargylated Monocarbonyl Curcumin Analogues: Synthesis, Bioevaluation and Molecular Docking Study, *Med. Chem. Res.*, 29(10), 1902–1913.

Nguyen, N. T., Nguyen, T. H., Pham, T. N. H., Huy, N. T., Bay, M. Van, Pham, M. Q., Nam, P. C., Vu, V. V., and Ngo, S. T, 2020, Autodock Vina Adopts More Accurate Binding Poses but Autodock4 Forms Better Binding Affinity, *J. Chem. Inf. Model.*, 60(1), 204–211.

- Nouredin, S. A., El-Shishtawy, R. M., and Al-Footy, K. O, 2019, Curcumin Analogues and Their Hybrid Molecules as Multifunctional Drugs, *Eur.J. Med. Chem.*, 182, 111631.
- Pantsar, T., & Poso, A, 2018, *Binding Affinity via Docking : Fact and Fiction*, 1–11.
- Paramera, E. I., Konteles, S. J., and Karathanos, V. T, 2011, Microencapsulation of Curcumin in Cells of *Saccharomyces Cerevisiae*, *Food Chem.*, 125(3), 892–902.
- Paul, M. K., Paul, P., Saha, S. K., and Choudhury, S, 2014, Bent Shaped H-Bonded Mesogens Derived from 1, 5-Bis (4-Hydroxyphenyl) Penta-1, 4-Dien-3-One: Synthesis, Photophysical, Mesomorphism and Computational Studies. *J. Mol. Liq.*, 197, 226–235.
- Salas-Burgos, A., Iserovich, P., Zuniga, F., Vera, J. C., and Fischbarg, J, 2004, Predicting The Three-Dimensional Structure of The Human Facilitative Glucose Transporter Glut1 by A Novel Evolutionary Homology Strategy: Insights on The Molecular Mechanism of Substrate Migration, and Binding For Glucose and Inhibitory Molecules, *Biophys. J.*, 87(5), 2990–2999.
- Sardjiman, S. S., Reksohadiprodjo, M. S., Hakim, L., Van Der Goot, H., and Timmerman, H, 1997, 1,5-Diphenyl-1,4-Pentadiene-3-Ones and Cyclic Analogues as Antioxidative Agents. Synthesis and Structure-Activity Relationship, *Eur. J. Med. Chem.*, 32(7–8), 625–630.
- Shetty, D., Kim, Y. J., Shim, H., and Snyder, J. P, 2015, Eliminating The Heart from The Curcumin Molecule: Monocarbonyl Curcumin Mimics (MACs), *Molecules.*, 20(1), 249–292.
- Thu, A. M., Phyto, A. P., Landier, J., Parker, D. M., and Nosten, F. H, 2017, Combating Multidrug-Resistant *Plasmodium Falciparum* Malaria. *FEBS Journal.*, 284(16), 2569–2578.
- Tse, E. G., Korsik, M., and Todd, M. H, 2019, The Past, Present and Future of Anti-Malarial Medicines. *Malar. J.*, 18(1), 1–21.
- Wang, L., Lu, N., Zhao, L., Qi, C., Zhang, W., Dong, J., and Hou, X, 2019, Characterization of Stress Degradation Products of Curcumin and Its Two Derivatives by UPLC–DAD–MS/MS, *Arabian Journal of Chemistry.*, 12(8), 3998–4005.
- Yang, Y., Yu, Y., Li, X., Li, J., Wu, Y., Yu, J., Ge, J., Huang, Z., Jiang, L., Rao, Y., and Yang, M, 2017, Target Elucidation by Cocrystal Structures of NADH-Ubiquinone Oxidoreductase of *Plasmodium falciparum* (PfNDH2) with Small

Molecule To Eliminate Drug-Resistant Malaria. *J. Med. Chem.*, 60(5), 1994–2005.

Zakiah, M., Syarif, R. A., Mustofa, M., Jumina, J., Fatmasari, N., and Sholikhah, E. N, 2021, *Cytotoxicity of Hydroxyxanthone Derivatives.*, 2021, 1-11.