

DAFTAR PUSTAKA

- Afiyah, R.K., 2018, Dukungan Keluarga Mempengaruhi Kemampuan Adaptasi (Penerapan Model Adaptasi Roy) Pada Pasien Kanker Di Yayasan Kanker Indonesia Cabang Jawa Timur, *J. Heal. Sci.*, 96–105.
- Ahmed, M.R., Sastry, V.G., Bano, N., Ravichandra, S., and Raghavendra, M., 2011, Synthesis and cytotoxic, anti oxidant activities of new chalcone derivatives, *Rasayan J. Chem.*, 4, 289–294.
- Apriani, F., 2015, Studi Penambatan Molekul Senyawa-Senyawa Amidasi Etil Para Metokisinamat Pada Peroxisome Proliferator-Activated Receptor-Gamma (Ppar γ), *Skripsi*,.
- Awasthi, S.K., Mishra, N., Dixit, S.K., Singh, A., Yadav, M., Yadav, S.S., and Rathaur, S., 2009, Short report: antifilarial activity of 1,3-diarylpropen-1-one: effect on glutathione-s-transferase, a phase ii detoxification enzyme, *Am. J. Trop. Med. Hyg.*, 80, 764–768.
- Babu, A.K. and Selvaraju, K., 2018, Synthesis and characterization of some novel chalcone derivatives, *Rasayan J. Chem.*, 11, 1501–1505.
- Bello, A.M., Konforte, D., Poduch, E., Furlonger, C., Wei, L., Liu, Y., Lewis, M., Pai, E.F., Paige, C.J., and Kotra, L.P., 2009, Structure-activity relationships of orotidine-5'-monophosphate decarboxylase inhibitors as anticancer agents, *J. Med. Chem.*, 52, 1648–1658.
- Bissantz, C., Folkers, G., and Rognan, D., 2000, Protein-based virtual screening of chemical databases. 1. Evaluation of different docking/scoring combinations, *J. Med. Chem.*, 43, 4759–4767.
- Breiner, K., 2011, Tackling the Tumour Vasculature with Vaccines, *Mednous*, 5, 9.
- Browne, J., de Boer, J.W., Pijper, D., Brinksma, J., Hage, R., and dan Feringa, B.L., 2010, Modern Oxidation Methods, Second edi. Backvall, J. (ed) Wiley-VCH Verlag GmbH & Co, Weinheim.
- Debora, J., Rinonce, H.T., Pudjohartono, M.F., Astari, P., Winata, M.G., and Kasim, F., 2018, Prevalensi malaria di Asmat, Papua: Gambaran situasi terkini di daerah endemik tinggi, *J. Community Empower. Heal.*, 1, 11–19.
- Dömling, A., 2006, Recent Developments in Isocyanide Based Multicomponent Reactions in Applied Chemistry, *Chem. Rev.*, 106, 17–89.
- Fang, P., Han, H., Wang, J., Chen, K., Chen, X., and Guo, M., 2015, Structural Basis for Specific Inhibition of tRNA Synthetase by an ATP Competitive Inhibitor, *Chem. Biol.*, 22, 734–744.

- Faridz, M.B.O., 2009, Sintesis kalkon bebas Pelarut daripada Kondensasi Aldol dimungkinkan oleh Pejajal natrium Hidroksida (NaOH),.
- Fauzi'ah, L. and Wahyuningsih, T.D., 2016, Synthesis of Chalcones Substituted with Nitro and Hydroxyl Group in Alkaline Medium, *J. Eksakta*, 16, 103–114.
- Febrianti Maya, S. dan R.A., 2014, Kandungan Kimia dan Aktivitas Sitotoksik Ekstrak dan Fraksi Herba Anting-anting terhadap Sel Kanker Payudara MCF-7,.
- Funkhouser, T., 2007, Lecture: Protein-ligand docking methods, Princeton University, Princeton, New Jersey.
- Gane, P.J. and Dean, P.M., 2000, Recent advances in structure-based rational drug design, *Curr. Opin. Struct. Biol.*, 10, 401–404.
- Hanifa, I.K.S., 2012, Studi Mekanisme Antikanker Senyawa Analog Calkon 3,5-Bis-(2,3-Dimetoksibenzilidin)- 1-Metilpiperidin-4-on Terhadap Guanin, *Skripsi*,.
- Harbone, J.B., 1987, Metode Fitokimia, Soediro, K.P. dan I. (ed) Penerbit ITB, Bandung.
- Harojanto, 2006, PN Malaria Buku ajar ilmu penyakit dalam karya harijanto,. In, *Fakultas Kedokteran Universitas Indonesia*. Jakarta, pp. 1754–1760.
- Hayashi, Y., 2016, Pot economy and one-pot synthesis, *Chem. Sci.*, 7(2), 866–880.
- Huspa, D.H.P., 2009, Senyawa Antikanker dan Insektisida dari Genus Aglaila, *UNPAD Press*, 1–2.
- Imada, Y., Iida, H., and Naota, T., 2005, Flavin-catalyzed generation of diimide: An environmentally friendly method for the aerobic hydrogenation of olefins, *J. Am. Chem. Soc.*, 127, 14544–14545.
- Ismiyarto, S. and Anwar, C., 2001, Synthesis of Chalcone and Flavanone Compound Using Raw Material of Acetophenone and Benzaldehyde Derivative= Sistem senyawa Kalkon dan Flavanon, *Indones. J. Chem.*,.
- Jenie, U.A., Kardono, L.B.S., Hanafi, M., Rumampuk, R.J., and Darmawan, A., 2014, Teknik Modern Spektroskopi NMR : Teori dan Aplikasi dalam Elusidasi Struktur Molekul Organik,.
- Jeong, J.M., Choi, C.H., Kang, S.K., Lee, I.H., Lee, J.Y., and Jung, H., 2007, Antioxidant and chemosensitizing effects of flavonoids with hydroxy and/or methoxy groups and structure-activity relationship, *J. Pharm. Pharm. Sci.*, 10, 537–546.
- Jian Zhou, 2010, Recent Advances in Multicatalyst Promoted Asymmetric Tandem Reactions, *Chem. - An Asian J.*, 5(3), 422–434.

- Kementerian Kesehatan Republik Indonesia, 2021., 2021, Tren kasus malaria menurun, *Jakarta, 23 April*, 4–5.
- Kennepohl, D., Farmer, S., and Reusch, W., 2022, Organic Chemistry,. In, *LibreTexts*.
- Kim, B.T., O, K.J., Chun, J.C., and Hwang, K.J., 2008, Synthesis of dihydroxylated chalcone derivatives with diverse substitution patterns and their radical scavenging ability toward DPPH free radicals, *Bull. Korean Chem. Soc.*, 29, 1125–1130.
- Kombonglangi, S. and Reiner, 2015, Manajemen Terapi Malaria Falciparum Yang Resisten Terhadap Klorokuin, *J. Major.*, 4, 27–30.
- Kyung-Ran Park, Dongwoo Nam, Hyung-Mun Yun, Seok-Geun Lee, Jang, H.-J., Gautam Sethi, Somi K. Cho, and Ahn, K.S., 2011, b-Caryophyllene oxide inhibits growth and induces apoptosis through the suppression of PI3K/AKT/mTOR/S6K1 pathways and ROS-mediated MAPKs activation, *Cancer Lett.*, 312 (2), 178–188.
- Lodish, H., Berk, A., Matsudaira, P., Kaiser, C.A., Krieger, M., Scott, M.P., 2005, Molecular Cell Biology,. In, *W.H. Freeman and Co.* W.H. Freeman and Co., New York.
- Manchanayakage, R., 2016, One-Pot Synthesis of Chalcone Epoxides via Claisen Schmidt Condensation and Epoxidation, *ACS Symp. Ser.*, 1233, 111–122.
- Mansjoer, A., Triyanti, K., Savtri, R., Wardhani, W. I., dan Setowulan, W., 2001, Kapita Selekt Kedokteran, 3rd ed. Penerbit Media Aesculapulus Fakultas Kedokteran Universitas Indonesia, Jakarta.
- McMurry, J., 2015, Organic Chemistry Ninth Edition,.
- Modzelewska, A., Pettit, C., Achanta, G., Davidson, N.E., Huang, P., and Khan, S.R., 2006, Anticancer activities of novel chalcone and bis-chalcone derivatives, *Bioorganic Med. Chem.*, 14, 3491–3495.
- Moschona, F., Savvopoulou;, I., Tsitopoulou;, M., Tataraki;, D., And, and Rassias, G., 2020, Epoxide Syntheses and Ring-Opening Reactions in Drug Development, *Catalysts*, 10, 1.
- Mukesh, B. and Rakesh, K., 2011, Molecular Docking: A Review, *Int J Res Ayurv Pharm*, 2, 1746–1751.
- Ngo, D., Kalala, M., Hogan, V., and Manchanayakage, R., 2014, One-pot synthesis of chalcone epoxides - A green chemistry strategy, *Tetrahedron Lett.*, 55, 4496–4500.
- Ou, X., Ji, C., Han, X., Zhao, X., Li, X., Mao, Y., Wong, L.L., Bartlam, M., and Rao, Z., 2006, Crystal structures of human glycerol 3-phosphate dehydrogenase 1 (GPD1), *J. Mol. Biol.*, 357, 858–869.

- Purnomo, H., 2011, Kimia Komputasi, Penerbit Buku Pustaka Pelajar, Yogyakarta.
- Puspaningtyas, A.R., 2012, Molekular Docking Dengan Metode Molegro Virtual Docker Turunan Kalkon Sebagai Antimikroba, *Stomatognatic (J.K.G Unej)*, 9, 39–47.
- Rahayu, 2015, Malaria serebral, *Saintika Med.*, 7, 1–5.
- Rahman, N., 2021, Selayang Pandang Tentang Kanker, *Rumah Sakit UNS*.
- Rohmawati, D., 2013, Epoksidasi dan Peroksida,. In, *Peran Kimia dan Pendidikan Kimia dalam Rangka Mencapai Kemandirian Bangsa.*, pp. 1–10.
- Sabiq, J.F. dan A., 2018, Malaria, *J. Averrous*, 4, .
- Sari, I.W., Junaidin, J., and Pratiwi, D., 2020, Studi Molecular Docking Senyawa Flavonoid Herba Kumis Kucing (*Orthosiphon stamineus* B.) pada Reseptor α -glukosidase Sebagai Antidiabetes TIPE 2, *J. Farmagazine*, 7, 54.
- Setiawan, H. and Irawan, M.I., 2017, Kajian Pendekatan Penempatan Ligan Pada Protein Menggunakan Algoritma Genetika, *J. Sains dan Seni ITS*, 6, 2–6.
- Setiawan, S.D., 2015, the Effect of Chemotherapy in Cancer Patient To Anxiety, *J. Major.*, 4, 94–99.
- Soedarto, 2019, Penyakit Menular Di Indonesia. Jakarta: Sagung Seto, Sagung Seto, Surabaya.
- Soliman G, 2005, Effect of curcumin, mixture of curcumin and piperine and curcum (turmeric) on lipid profile of normal and hyperlipidemic rats, *Egypt. J. Hosp. Med.*, 21, 145–161.
- Suirta, I.W., 2016b, Sintesis Senyawa Kalkon Serta Uji Aktivitas Sebagai Antioksidan, *J. Kim.*, 10, 75–80.
- Suwito, H., Jumina, Mustofa, Kristanti, A.N., and Puspaningsih, N.N.T., 2014, Chalcones: Synthesis, Structure diversity and pharmacological aspects, *J. Chem. Pharm. Res.*, 6, 1076–1088.
- Swallow, W.H., 1972, Reactions of Epoxides with Neighbouring Nucleophiles, *Thesis, Philosophy in Chemistry of University of Canterbury, Christchurch*.
- Syahri, J., Yuanita, E., Nurohmah, B.A., Wathon, M.H., Syafri, R., Armunanto, R., and Purwono, B., 2017, Xanthone as antimalarial: QSAR analysis, synthesis, molecular docking and in-vitro antimalarial evaluation, *Orient. J. Chem.*, 33, 29–40.
- Syam, S., Abdelwahab, S.I., Al-Mamary, M.A., and Mohan, S., 2012, Synthesis of chalcones with anticancer activities, *Molecules*, 17, 6179–6195.
- Sykes, P., 1989, A Guidebook to Mechanism in Organic Chemistry,.

- V.G., K., V.G., S., Satish B.J., and D.R, S., 2010, Synthesis of Some Novel Chalcones of Phthalimidoester Possessing Good Antiinflammatory and Antimicrobial Activity, *Indian J. Chem.*, 49B, 131–136.
- Widiyastuti, Y., 2013, *Pengembangan Formula Herbal Anti-kanker*, Departemen Kesehatan RI, Yogyakarta
- Widyawaruyanti, A., 2020, Aktivitas Antimalaria Beberapa Senyawa Alkaloid Aporfin dari Daun Phoebe Tavoyana, *UNAIR NEWS*,.
- Yuvaniyama, J., Chitnumsub, P., Kamchonwongpaisan, S., Vanichtanankul, J., Sirawaraporn, W., Taylor, P., Walkinshaw, M.D., and Yuthavong, Y., 2003, Insights into antifolate resistance from malarial DHFR-TS structures, *Nat. Struct. Biol.*, 10, 357–365.