

DAFTAR PUSTAKA

- Aguiar, A.C.C., Murce, E., Cortopasii, W.A., Pimentel, A.S., Almeida, M.M.F.S., Barros, D.C.S., Guedes, J.S., Meneghetti, M.R. and Krettli, A.U., 2018, Chloroquine Analogs as Antimalarial Candidates with Potent *In Vitro* and *In Vivo* Activity, *Int J. Parasitol. Drugs Drug Resist.*, 8, 459-464.
- Ali, I.A., 2014, Synthesis of 3-Substituted Isoindolinone Derivatives by Acetate Method, *Monatsh Chem.*, 145(5), 803-810.
- Anonim, 1995, *Malaria: Pengobatan*, Departemen Kesehatan Republik Indonesia, Jakarta.
- Anonim, 2015, *World Malaria Report*, WHO, Geneva.
- Bedford, R.B., Bowen, J.G., and Galvez, C.M., 2017, Isoindolinones Via Copper-Catalyzed Intramolecular Benzylic C-H Sulfamidation, *J. Org. Chem.*, 82(3), 1719-1579.
- Choomuenwai V., Beattie, K., Healy, P., Andrews, K., Frechner, N., and Davis, R., 2015, Entonolactams A-C: Isoindolinone Derivates from an Australian Rainforest Fungus Belonging to The Genus *Entonaem*, *J. Photochem.*, 117(1), 10-16.
- Cornut, D., Lemoine, H., Kanishchev, O., Okada, E., Albrieux, F., Beavogui, A.H., Bienvenu, A.L., Picot, S., Bouillon, J.P., and Médebielle, M., 2013, Incorporation of a 3-(2,2,2-Trifluoroethyl)- γ -hydroxy- γ -lactam Motif in The Side Chain of 4-Aminoquinolines Synthesis and Antimalarial Activities, *J. Med. Chem.*, 56, 73-83.
- Deshpande, S. and Kuppast, B., 2016, 4-Aminoquinolines: An Overview of Antimalarial Chemotherapy, *J. Med. Chem.*, 6(1), 001-011.
- Färnert, A., Lindberg, J., Gil, P., Swedberg, G., Bergvist, Y., Thapar, M.M., Lindegårdh, n., Berezcky, S., Björkman, A., 2003, Evidence of *Plasmodium falciparum* Malaria resistant to Atovaquone and Proguanil Hydrochloride: Case Reports, *Bioorg. Med. Chem. Lett.*, 326(7390), 628-629.
- Gandahusada, S., Ilahude, H.H., and Pribadi, W., 1998, *Parasitologi Kedokteran, Edisi Ketiga*, Penerbit Gaya Baru, Jakarta.
- Harborne, J.B., 1996, *Metode Fitokimia: Penuntun Cara Modern Menganalisis Tumbuhan*, Diterjemahkan oleh Kosasih Padmawinata dan Imam Sudiro, ITB, Bandung.

- Inack-Ngi, S., Rahmani, R., Commeiras, L., Chouraqui, G., Thibonnet, J., Duchêne, A., Abarbri, M., and Parrain, J. L., 2009, Copper-Catalyzed Preparation of Alkylidenebutinolides and Isocoumarins Under Mild Palladium-Free Conditions, *Adv. Synth. Catal.*, 351, 779-788.
- Karmakar, R., Pahari, P. and Mal, D., 2014, Phthalides and Phthalans: Synthetic Methodologies and Their Applications in The Total Synthesis. *Chem. Rev.*, 114(12), 6213-6284.
- Kaschula, C.H., Egan, T.J., Hunter, R., Basilico, N., Parapini, S., Taramelli, D., Pasini, E. and Monti, D., 2002, Structure-activity Relationships in 4-Aminoquinoline as Antiplasmodials. The role of the group at the 7 position, *J. Med. Chem.*, 44(8), 3091-3113.
- Kondaparla, S., Soni, A., Manhas, A., Srivastava, K., Puri, S.K., and Katti, S.B., 2017, Antimalarial Activity of Novel 4-Aminoquinolines Active Against Drug Resistant Strains, *Bioorg. Chem.*, 70, 74-85.
- Kumar, S., Guha, M., Choubey, V., Maity, P., and Bandyopadhyay, U., 2009, Antimalarial Drugs Inhibiting Hemozoin (β -hematin) Formation: A Mechanistic Update, *Life Sci.*, 80, 813-828.
- Liu, H., Zhou, Y., Li, J., Ye, D., and Jiang, H., 2010, Metal-Free Tandem Reaction in Water: An efficient and Regioselective Synthesis of 3-hydroxyisoindolin-1-ones, *Green Chem.*, 12, 1397-1404.
- Li, J., Gluzman, L.Y., Drew, M.E., and Goldberg, D.E., 2010, The Role of *Plasmodium falciparum* Food Vacuole Plasmepsin, *J. Biochem.*, 2(280), 1432-1437.
- Manohar, S., Tripathi, M., and Rawat, D.S., 2014, 4-Aminoquinoline Based Molecular Hybrids as Antimalarials: an overview, *Curr. Top. Med. Chem.*, 14, 1706-1733.
- Maurya, S.S., Khan, S.I., Bahuguna, A., and Kumar, D., 2017, Synthesis, Antimalarial Activity, Heme Binding and Docking Studies of *N*-Substituted 4-Aminoquinoline-Pyrimidine Molecular Hybrids, *Eur. J. Med. Chem.*, 129, 175-185.
- Milhous, W.K. and Kyle, D.F., 1998, *Introduction to The Modes of Action and Mechanism of Resistance to Antimalarials*, ASM Press, Washington.
- Muregi, F.W., and Ishih, A., 2010, Next Generation Antimalarial Drugs: Hybrid Molecules as a New Strategy in Drug Design, *Drug Dev. Res.*, 71, 20-32.
- Niedek, D., Schuler, S.M.M., Eschmann, C., Seitz, A., Keul, F., and Schreiner, P.R., 2016, Synthesis of Enantioenriched Phthalide and Isoindolinone Derivatives from 2-Formylbenzoic Acid, *Synthesis*, 48, A-L.

- Pandey, S., Agarwal, P., Srivastava, K., Kumar, S.R., Puri, Sunil, K., Verma, P., Saxena, J.K., Sharma, A., Lal, J., and Chauhan, P., 2013, Synthesis and Bioevaluation of Novel 4-Aminoquinoline-Tetrazole Derivatives as Potent Antimalarial Agents, *Eur. J. Med. Chem.*, 66, 69-81.
- Peters, W. and Robinson, B.L., 1999, *Animal Models of Infection*, Academia, London.
- Rasoanaivo, P., Eric, D., Suzanne, R., and Frappier, F., 2004, *Traditionals Medicinal Plants and Malaria: Guidelines for The Nonclinical Evaluation of The Efficacy of Traditional Antimalarials*, CRC Press, Florida.
- Ringwald, P., Bickii, J., and Basco, L., 1996, Randomised Trial of Pyronaridine Versus Chloroquine for Acute Uncomplicated *Falciparum* Malaria in Africa, *The Lancet*, 347, 24-28.
- Sagadevan, A., Ragupathi, A. and Hwang, K.C., 2013, Visible Light Induced, Copper(I) Catalysed C-N Coupling Between o-Phenylenediamine and Terminal Alkynes: One-Pot Synthesis of 3-Phenyl-2-Hydroxy-Quinoxalines, *Photochem. Photobiol. Sci.*, 25(8), 1684-1689.
- Silva, R.M.R.J., Gandi, M.O., Medonça, J.S., Carvalho, A.S., Coutinho, J.P., Aguiar, A.C.C., Krettli, A.U., and Boechat, N., 2019, New Hybrid Trifluoromethylquinolines as Antiplasmodium Agents, *Bioorg. Med. Chem.*, 01(044), 1-7.
- Tjitra, E., 1996, Pengobatan Malaria, *Majalah Kedokteran Indonesia*, 24-32.
- Tracy, J.W., and Webster, L.T., 1996, *Drugs Used in Chemotherapy of Protozoa Infections*, Edisi ke-9, Mc Milan, New York.
- Trager, W. and Jensen, J.B., 1976, Human Malaria Parasites in Continuous Culture, *Journal of Science*, 193, 673-675.
- Zhu, S., Cao, J., Wu, L., and Huang, X., 2012, Synthesis of Polycyclic Isoindoline Derivatives via Tandem Pd-Catalyzed Coupling, Propargyl-Allenyl Isomerization, [4 + 2] Cycloaddition and Aromatization Reaction, *J. Org. Chem.*, 77, 10409-10415.