

DAFTAR PUSTAKA

- Alighiri, D., 2010, Sintesis Turunan Chalcone dari Vanilin dan Potensi Penggunaannya sebagai Indikator Titrasi Asam-Basa dan Sensor Anion, *Tesis*, FIMIPA UGM, Yogyakarta
- Anonim, 2007, *Understanding Malaria, Fighting an Ancient Scourage*, NIH Publication, Maryland
- Anonim, 2014, Malaria Policy Advisory Committee to the WHO: conclusions and recommendations of sixth biannual meeting, *Malaria Journal*, 14, 107
- Anonim, 2015, *Guidlines for Treatment of Malaria, 3rd Ed.*, WHO, Geneva
- Anonim^a, 2016, *Malaria*, ISSN 2442-7659, Pusat Data dan Informasi Kementerian Kesehatan RI, Jakarta
- Anonim^b, 2016, *World Malaria Report 2016*, WHO, France
- Basilico, N., Pagani, E., Monti, D., Olliaro, P., and Taramelli, D., 1998, A Microtitrebased Method for Measuring the Haem Polymerization Inhibitory Activity (HPIA) of Antimalarial Drugs, *J. Antimicrob. Chemother.*, 42, 55-60
- Bochicchio, A., Cefola, R., Choppin, S., Colobert, F., Noia, M. A. D., Funicello, M., Hanquet, G., Pisano, I., Todisco, S., and Chiummiento, L., 2016, Selective Claisen Rearrangement and Iodination for the Synthesis of Polyoxygenated Allyl Phenol Derivatives, *Tetrahedron Lett.*, 57, 4053-4055
- Bomgardner, M.M., 2014, Following Many Routes to Naturally Derived Vanillin, *Chem. Eng. News.*, 92(6), 14
- Carrell, H.M., 2013, Isolation and Characterization of Anti-malarial Compounds from a Natural Product Library, *Thesis*, Vanderbilt University
- Cui, L., Mharakurwa, S., Ndiaye, D., Rathod, P.K., and Rosenthal, P.J., 2015, Antimalarial Drug Resistance: Literature Review and Activities and Findings of the ICEMR Network, *Am. J. Trop. Med. Hyg.*, 93, 57-68
- Dorn, A., Vippagunta, S.R., Matile, H., Jaquet, C., Vennerstrom, J.L., and Ridley, R.G., 1998, An Assessment of Drug-Haematin Binding as A Mechanism for Inhibition of Haematin Polymerisation by Quinoline Antimalarials, *Biochem. Pharmacol.*, 55(6), 727-736
- Fache, M., Boutevin, B., and Cailol, S., 2015, Vaniliin, a Key-Intermediate of Biobased Polymers, *Eur. Polym. J.*, 68, 488-502

- Fitriastuti, D., 2012, Sintesis dan Uji Aktivitas Penghambatan Polimerisasi Hem Senyawa Antimalaria (1)-N-(3,4-Dimetoksibenzil)-1,10-Fenantrolinium Bromida dari Vanilin, *Skripsi*, FMIPA UGM, Yogyakarta
- Pudjaatmaka, A.H.^a, 1998, *Kimia Organik* Jilid 1, Edisi Ketiga, (Terjemahan dari Fessenden, R.J. dan Fessenden, J.S., 1986), Penerbit Erlangga, Jakarta
- Pudjaatmaka, A.H.^b, 1998, *Kimia Organik* Jilid 2, Edisi Ketiga, (Terjemahan dari Fessenden, R.J. dan Fessenden, J.S., 1986), Penerbit Erlangga, Jakarta
- Handayani, S. and Arty, I.S., 2008, Synthesis of Hydroxyl Radical Scavengers from Benzalacetone and its Derivatives, *J. Phys. Sci.*, 19(2), 61-68
- Jayapal, M.R., Prasad, K.S., and Sreedhar, N.Y., 2010, Synthesis and Characterization of 2,5-dihydroxy Substituted Chalcones Using $\text{SOCl}_2/\text{EtOH}$, *Int. J. Pharma Bio Sci.*, 1(4), 361-366
- Kesuma, E.P., 2015, Sintesis C-4-Aliloksi-3-metoksifenilkaliks[4]resorsinarena dari Vanilin dan Aplikasinya sebagai Adsorben Kation Logam Pb(II), *Skripsi*, FMIPA UGM, Yogyakarta
- Kumar, R., Sharma, P.K., and Mishra, P.S., 2012, A Review on the Vanillin Derivatives Showing Various Biology Activity, *Int. J. PharmTech. Res.*, 4 (1), 266-279
- Li, J., Feng, J., Li, M., Wang, Q., Su, Y., and Jia, Z., 2013, Studies of Manufacturing Controlled-Release Graphene Acid and Catalyzing Synthesis of Chalcone with Claisen-Schmidt Condensation Reaction, *Solid State Sciences*, 21, 1-5
- Manohar, S., Khan, S.I., Kandi, S.K., Raj, K., Sun, G., Yan, X., Molina, A.D.C., Ni, N., Wang, B., and Rawat, D.S., 2013, Synthesis, Antimalarial Activity and Cytotoxic Potential of New Monocarbonyl Analogues of Curcumin, *Bioorg. Med. Chem. Lett.*, 23, 112-116
- McBride, M., 2012, An Investigation into the Synthesis and Pharmaceutical Applications of Trans-Dibenzalacetone and a Few of Its Common Derivatives, Paper, cheminfo2012.wikispaces.com/Matthew+McBride+-+Final (diakses pada tanggal 27 April 2017 pukul 14.00 WIB)
- Miller, L.H., Good, M.F., and Milon, G., 1994, Malaria Pathogenesis, *Science*, 264, 1878-1883
- Mimche, P.N., Taramelli, D., and Vivas, L., 2011, The Plant-Based Immunomodulator Curcumin as a Potential Candidate for the Development of an Adjunctive Therapy for Cerebral Malaria, *Malaria Journal*, 10, 1-9

- Mishra, S., Karmodiya, K., Suroliya, N., dan Suroliya, A., 2008, Synthesis and Exploration of Novel Curcumin Analogues as Anti-malarial Agents, *Bioorg. Med. Chem.*, 16, 2894-29002
- Motohashi, N., Yamagami, C., Tokuda, H., Okuda, Y., Ichiishi, E., Mukainaka, T., Nishino, H., and Saito, Y., 2000, Structure-Activity Relationship in Potentially Anti-Tumor Promoting Benzalacetone Derivatives, As Assayed by the Epstein-Barr Virus early Antigen Activation, *Mutat. Res.-Gen. Tox. En*, 464, 247-254
- Okada, Y. and Imanari, D., 2012, Claisen and Intermolecular Rearrangement of Cinnamyloxynaphtalenes, *Int. J. Org. Chem.*, 2, 38-43
- Oliveira, M.E., Cenzi, G., Nunes, R.R., Andrighetti, C.R., Valadao, D.M.S., Reis, C., Simoes, C.M.O., Nunes, R.J., Junior, M.C., Taranto, A.G., Sanchez, B.A.M., Viana, G.H.R., dan Varotti, F.P., 2013, Antimalarial Activity of 4-Methoxychalcones: Docking Studies as Falcipain/Plasmeprin Inhibitors, ADMET and Lipophilic Efficiency Analysis to Identify a Putative Oral Lead Candidate, *Molecules*, 18, 15276-15287
- Oliveira, A.S.T., 2015, *Synthesis of Curcumin Derivatives as a Potential P-glycoprotein Inhibitors*, Universitas Porto, Portugal
- Prabawati, S.Y., Wijayanto, A., and Wirahadi, A., 2014, Development of Benzalacetone Derivative Compound as Sunscreen, *Pharmaciana*, 4(1), 31-38
- Purwanto, 2011, Isolasi dan Identifikasi Senyawa Penghambat Polimerisasi Hem dari Fungi Endofit Tanaman *Artemisia annua* L., *Tesis*, Fakultas Farmasi, UGM, Yogyakarta
- Sidhu, A.B.S., Verdier-Pinard, D., and Fidock, D.A., 2002, Chloroquine Resistance in *Plasmodium falciparum* Malaria Parasites Conferred by pfcrt Mutations, *Science*, 298(5591), 210-213
- Taguchi, H. and Takeo, I., 2007, *Aromatic Claisen Rearrangement*, Nubbemeyer, M., and Udo, H., *The Claisen Rearrangement, Methods and Applications* 86-93, Wiley VCH., Weinheim
- Winstanley, P., Ward, S., Snow, R., and Breckenridge, A., 2004, Therapy of Falciparum in Sub-Saharan Africa: from Molecule to Policy, *Clin. Microbiol. Rev.*, 17 (3), 612-637
- Winter, C., Caetano, J.N., Araujo, A.B.C., Chaves, A.R., Ostroki, I.C., Vaz, B.G., Perez, C.N., and Alonso, C.G., 2016, Activated Carbons for Chalcone Production: Claisen-Schmidt Condensation Reaction, *Chem. Eng. J.*, 303, 604-410

Ziani, N., Sid., A., Demonceau, A., Willem, Q., Dassonneville, B., and Lamara, K., 2013, Synthesis of New Curcumin Analogues from Claisen-Schmidt Condensation, *Eur. J. Chem.*, 4 (2), 146-148