

Daftar Pustaka

- Andru, G., 2009. *Efek Minyak Atsiri Bawang Putih (*Allium sativum*) terhadap Jumlah Monosit pada Darah Tepi Tikus Wistar yang Diberi Diet Kuning Telur*, Skripsi.
- Arsin, A., 2012. *Malaria di Indonesia Tinjauan Aspek Epidemiologi*, 1 edn, Masagenna Press, Makassar.
- Baeti, D.N., 2010. *Efek Terapi Kombinasi Klorokuin dan Serbuk *Lumbrici rubellus* terhadap Ekspresi GEN ICAM-1 pada Mencit Swiss yang Diinfeksi *Plasmodium berghei* ANKA*, Fakultas Kedokteran Universitas Sebelas Maret, Surakarta.
- Blythe, J.E., Yam, X.Y., Kuss, C., Bozdech, Z., Holder, A.A., Marsh, K., Preiser, P.R., 2008. *Plasmodium falciparum STEVOR Proteins Are Highly Expressed in Patient Isolates and Located in the Surface Membranes of Infected Red Blood Cells and the Apical Tips of Merozoites*. *Infection and Immunity*, vol. 76, no. 7, pp. 3329-3336.
- Carter, R. & Diggs, C.L., 1977. *Plasmodia of Rodents*. Dalam *Parasitic Protozoa*, Academic Press, New York, pp. 359-465.
- Carvalho, P.A., Diez-Silva, M., Chen, H., Dao, M., & Suresh, S., 2013. *Cytoadherence of Erythrocytes Invaded by Plasmodium falciparum: Quantitative Contact-probing of a Human Malaria Receptor*. *Acta Biomaterialia*, vol. 9, no. 5, pp. 6349-6359.
- CDC, 2013. [Gambar online]. Tersedia: <<http://www.cdc.gov/dpdx/malaria>>[Diakses 12 April 2016].
- Chakravorty, S.J., Hughes, K.R., & Craig, A.G., 2008, *Host Response to Cytoadherence in Plasmodium falciparum*. *Biochemical Society Transaction*, vol. 36, pp. 221-228.
- Coppi, A., Cabinian, M., Mirelman, D., & Sinnis, P., 2006. *Antimalarial Activity of Allicin a Biologically Active Compound from Garlic Cloves*. *Antimicrobial Agents and Chemotherapy*, vol. 50, no. 5, pp. 1731-1737.
- Corbett, C.E. 1996. *Is Cytoadherence The Pathogenetical Basis of Cerebral Malaria?* Faculdade de Medicina Universidade de São Paulo, São Paulo.



- Cumming, J.N., Ploypradith, P., & Posner, G.H., 1997, Antimalarial activity of artemisinin (qinghaosu) and related trioxanes: mechanism(s) of action. *Advances in Pharmacology*, vol. 37, pp. 253-297.
- Davis, T.M., Hung, T.Y., Sim, I.K., Karunajeewa, H.A., & Ilett, K.F., 2005. Piperaquine: a resurgent antimalarial drug. *Drugs*, vol. 65, no. 1, pp. 75-87.
- Davis, T.M., Krishna, S., Loareesuwan, S., Supanaranond, W., Pukrittayakamee, S., Attatamsoonthorn, K., & White, N.J., 1990. Erythrocyte sequestration and anemia in severe falciparum malaria: Analysis of acute changes in venous hematocrit using a simple mathematical model. *Journal of Clinical Investigation*, vol. 86, pp. 793-800.
- Depkes 2008, Panduan Penatalaksanaan Kasus Malaria di Indonesia.
- El-Assaad, F., Wheway, J., Mitchell, A.J., Lou, J., Hunt, N.H., Combes, V., & Grau, G.E., 2013. Cytoadherence of Plasmodium berghei-Infected Red Blood Cells to Murine Brain and Lung Microvascular Endothelial Cells In Vitro. *Infection and Immunity*, vol. 81, no. 11, pp. 3984-3991.
- Emmanuel, A., Sandison, T.G., Wanzira, H., Kakuru, A., Homsy, J., Kalamya, J., & Vora, N., 2009, Artemether-Lumefantrine versus Dihydroartemisinin-Piperaquine for Falciparum Malaria: A Longitudinal, Randomized Trial in Young Ugandan Children. *Clinical Infectious Disease*, vol. 49, no. 11, pp. 1629-1637.
- Esu, E., Effa, E.E., Opie, O.N., Uwaoma, A., & Meremikwu, M.M. 2014. Artemether for Severe Malaria. *The Cochrane database of systematic reviews*, vol. 9, pp. 1-82.
- Festing, M.F., & Altman, D.G., 2002. Guidelines for the design and statistical analysis of experiments using laboratory animals. *Institute for Laboratory Animal Research Journal*, pp. 244-258.
- Ginsburg, H., & Atamna, H., 1994. The redox status of malaria-infected erythrocytes: An overview with an emphasis on unresolved problems. *Parasite*, vol. 1, no. 1, pp. 5-13.
- Hakim, L. 2011. Malaria Epidemiologi dan Diagnosis. *Aspirator*, vol. 3, no. 2, pp. 107-116.

- Hobauer, R., Frass, M., Gmeiner, B., Kaye, A.D., & Frost, E.A., 2000. Garlic extract (allium sativum) reduces migration of neutrophils through endothelial cell monolayers. *Cytometry*, vol. 15, no. 6, pp. 649-658.
- Hodge, G., Hodge, S., & Han, P., 2002. Allium sativum (garlic) suppresses leukocyte inflammatory cytokine production in vitro: potential therapeutic use in the treatment of inflammatory bowel disease. *Cytometry*, vol. 48, no. 4, pp. 209-215.
- Idro, R., Marsh, K., John, C.C., & Newton, C.R., 2011. Cerebral Malaria: Mechanisms Of Brain Injury And Strategies For Improved Neuro-Cognitive Outcome. *Pediatric Research*, vol. 68, no. 4, pp. 267-274.
- Kementrian Kesehatan RI 2011, Epidemiologi Malaria di Indonesia, *Data dan Informasi Kesehatan*, pp. 1-17.
- Kis, K., Liu, X., & Hagood, J.S., 2011. Myofibroblast differentiation and survival in fibrotic disease. *Expert Review in Molecular Medicine*, vol. 13, pp. 1-24.
- Kyes, S.A., Rowe, J.A., Kriek, N., & Newbold, C.I. 1999. RIFINs: Second Family of Clonally Variant Proteins Expressed on the Surface of Red Cells Infected with Plasmodium falciparum. *Proceedings of the National Academy of Sciences of the United States of America*, vol. 96, pp. 9333-9338.
- Lawson, L.D. 1996. The Composition and Chemistry of Garlic Cloves and Processed Garlic. Dalam *Garlic: The Science and Therapeutic Application of Allium sativum L. and Related Species*, pp. 38-39, Williams & Wilkins Baltimore.
- Lawson, L.D., & Wang, Z.J., 2005. Allicin and Allicin-derived Garlic Compounds Increase Breath Acetone Through Allyl Methyl Sulfide: Use in Measuring Allicin Bioavailability. *Journal of Agricultural Food Chemistry*, vol 53, no. 6, pp. 1974-1983.
- Lee, D.Y., Li, H., Lim, H.J., Lee, H.J., Jeon, R., & Ryu, J., 2012. Anti-Inflammatory Activity of Sulfur-Containing Compounds from Garlic. *Journal of Medicinal Food*, vol. 15, no. 11, pp. 992-999.
- Leonardi-Nielad, E., Gilvary, G., White, N.J., & Nosten, F., 2001. Severe allergic reactions to oral artesunate: a report of two cases. *Transactions of the Royal Society of Tropical*



- Medicine and Hygiene*, vol. 95, no. 2, pp. 182-183.
- Li, X., Li, C., Xiang, Z., Zhong, F., Chen, Z., & Lu, J., 2010. Allicin Can Reduce Neuronal Death and Ameliorate the Spatial Memory Impairment in Alzheimer's Disease Models. *Neuroscience*, vol. 15, no. 4, pp. 237-243.
- Lolita, V.S. 2003. *Uji Aktivasi Antimalaria Ekstrak Metanol Herba Meniran (Phyllanthus Niruri Linn) Pada Mencit Swiss Terinfeksi Plasmodium berghei*. Skripsi, Universitas Airlangga, Surabaya.
- Lou, J., Lucas, R., & Grau, G.E., 2001. Pathogenesis of Cerebral Malaria: Recent Experimental Data and Possible Application for Humans. *Clinical Microbiology Reviews*, vol. 14, pp. 810-820.
- MacPherson, G.G., Warrel, M.J., White, N.J., Looareesuwan, S., & Warrel, D.A., 1985. Human Cerebral Malaria A Quantitative Ultrastructural Analysis of Parasitized Erythrocyte Sequestration. *American Journal Pathology*, pp. 385-401.
- Maier, A.G., Cooke, B.M., Cowman, A.F., & Tilley, L., 2009. Malaria Parasite Proteins that Remodel The Host Erythrocyte. *National Review Microbiology*, vol. 7, pp. 341-354.
- Manning, L., Rosanas-Urgell, A., Laman, M., Edoni, H., McLean, C., Mueller, I., & Davis, T.M., 2012. A histopathologic study of fatal paediatric cerebral malaria caused by mixed Plasmodium falciparum/Plasmodium vivax infections. *Malaria Journal*, vol. 11, no. 107, pp. 1-5.
- Marui, N., Offermann, M.K., Swerlick, R., Kunsch, C., Rosen, C.A., Ahmad, M., Medford, R.M., 1993. Vascular cell adhesion molecule-1 (VCAM-1) gene transcription and expression are regulated through an antioxidant-sensitive mechanism in human vascular endothelial cells. *Journal of Clinical Investigation*, vol. 92, no. 4, pp. 1866-1874.
- McNeal, D. & Jacobsen, T.D., 2002. *Allium linnaeus*. Dalam *Flora of North America Editorial Committee (Eds.) Flora of North America North of Mexico*, vol. 26.
- Miller, L.H., Baruch, D.I., Marsh, K., Doumbo, O.K., 2002. The Pathogenic Basis of Malaria. *Nature*, vol. 415, pp. 673-679.
- Mohanty, S., Patel, D.K., Pati, S.S., & Mishra, S.K., 2006. Adjuvant Therapy in Cerebral Malaria.

- Indian Journal Medicine Research*, vol. 124, no. 3, pp. 245-260.
- Naganawa, R., Iwata, N., Ishikawa, K., Fukuda, H., Fujino, T., & Suzuki, A., 1996. Inhibition of Microbial Growth by Ajoene, a Sulfur-Containing Compound Derived from Garlic. *Applied and Environmental Microbiology*, vol. 62, pp. 4238-4242.
- Nomura, T., & Tajima, Y., 1982. *Defined Laboratory Animals, Advances in Pharmacology and Therapeutics II*. Pergamon Press, New York.
- Nosten, F., & White, N.J., 2007. Artemisinin-Based Combination Treatment of Falciparum Malaria. *American Journal of Tropical Medicine and Hygiene*, vol. 77, no. 6, pp. 181-192.
- Pain, A., Ferguson, D.J., Kai, O., Urban, B.C., Lowe, B., Marsh, K., & Roberts, D.J., 2001. Platelet-Mediated Clumping of Plasmodium falciparum-Infected Erythrocytes is a Common Adhesive Phenotype and is Associated with Severe Malaria. *Proceedings of the National Academy of Sciences of the United States of America*, vol. 98, no. 4, pp. 1805-1810.
- Perez, H.A., De la Rosa, M., & Apitz, R., 1994. In Vivo Activity of Ajoene Against Rodent Malaria. *Antimicrobial Agents Chemotherapy*, vol. 38, pp. 337-339.
- Rahman, M.M., Fazlic, V., & Saad, N.W., 2012. Antioxidant properties of raw garlic (*Allium sativum*) extract. *International Food Research Journal*, vol. 19, no. 2, pp. 589-591.
- Rassoul, F., Salvetter, J., Reissig, D., Schneider, W., Thiery, J., & Richter, V., 2006. The influence of garlic (*Allium sativum*) extract on interleukin 1 α -induced expression of endothelial intercellular adhesion molecule-1 and vascular cell adhesion molecule-1. *International Journal of Phytotherapy and Phytopharmacology*, pp. 230-235.
- Riskesdas 2013. *Penyakit yang Ditularkan oleh Vektor (Malaria)*. Badan Penelitian Pengembangan Kesehatan Kementerian Kesehatan RI, Jakarta.
- Rogers, K. 2014. Artemisinin, *Encyclopaedia Britannica*, diakses 28 Maret 2015, <<http://www.britannica.com/science/artemisinin>>.



- Rowe, J.A., Claessens, A., Corrigan, R.A., & Arman, M., 2009. Adhesion of Plasmodium falciparum-Infected Erythrocyte to Human Cells: Molecular Mechanism and Therapeutic Implication. *Expert Reviews in Molecular Medicine*, vol. 11, no. 16, pp. 1-29.
- Sahbaz, A., Isik, H., Aynioglu, O., Gungorduk, K., & Gun, B.D., 2014. Effect of intraabdominal administration of (garlic) oil on postoperative peritoneal adhesion. *European Journal of Obstetrics & Gynecology and Reproductive Biology*, vol. 177, pp. 44-47.
- Santhosha, S.G., Prakash Jamuna, S.N., & Prabhavathi, 2013. Bioactive components of Garlic and their physiological role in health maintenance: a review. *Food Biosci*, vol. 3, pp. 59-74.
- Sihombing, M., & Raflizar, 2010. *Status Gizi dan Fungsi Hati Mencit (Galur CBS-Swiss) dan Tikus Putih (Galur Wistar) di Laboratorium Hewan Percobaan Puslitbang Biomedis dan Farmasi*. Media Litbang Kesehatan, Jakarta.
- Simonetti, G. 1990. *Simon & Schuster's Guide to Herbs and Spices*. Simon and Schuster, New York.
- Stoll, A., & Seebeck, E., 1951. Chemical Investigation of Alliin, the Specific Principle of Garlic. *Advances in Enzymology*, vol. 11, pp. 377-400.
- Sundari, Y., Sulaksono, E., Jekti, R.P., & Subahagio, 1997. *Inokulasi Plasmodium berghei pada beberapa Strain Mencit*, Cermin Dunia Kedokteran.
- Tripathi, A.K., Sha, W., Shulaev, V., Stins, M.F., & Sullivan, D.J., 2009. Plasmodium falciparum-infected erythrocytes induce NF- κ B regulated inflammatory pathways in human cerebral endothelium. *Blood*, vol. 114, no. 19, pp. 4243-4252.
- Udeinya, I.J., Schmidt, J.A., Aikawa, M., Miller, L.H., & Green, I., 1981. Falciparum Malaria-Infected Erythrocyte Specifically Bind to Cultured Human Endothelial Cells. *Science*, vol. 213, pp. 555-557.
- Udomsangpetch, R., Wahlin, B., Carlson, J., Berzins, K., Torii, M., Aikawa, M., & Wahlgren, M., 1989. Plasmodium falciparum-Infected Erythrocytes Form Spontaneous Erythrocyte Rosettes. *Journal of Experimental Medicine*, vol. 169, no. 5, pp. 1835-1840.
- Ueha, S., Shand, F.H.W., Matsushima, K., 2012. Cellular

- and Molecular Mechanism of Chronic Inflammation-Associated Organ Fibrosis. *Frontiers in Immunology*, vol. 3, no. 71, pp. 1-6.
- Wardhani, Y.F. 2007. *Efek Serbuk Cacing Lumbricus Rubellus terhadap Lama Hidup dan Derajat Parasitemia pada Mencit Swiss yang Diinfeksi oleh Plasmodium berghei*, Skripsi, Universitas Sebelas Maret, Surakarta.
- White, N.J. 2008. Qinghaosu (Artemisinin): The price of success. *Science*, vol. 320, pp. 330-334.
- Wijayanti, M.A., Herdiana, M.E., & Mardihusodo, S.Y., 2003. Efek Bee Propolis terhadap Infeksi Plasmodium berghei pada Mencit Swiss. *B.I.Ked*, vol. 2, no. 35, pp. 83-84.
- Wijayanti, M.A., Herdiana, M.E., & Mardihusodo, S.Y., 2013. Efek Bee Propolis terhadap Infeksi Plasmodium berghei pada Mencit Swiss. *B.I.Ked*, vol. 2, no. 35, pp. 83-84.
- Willis, E. 1956. Enzyme Inhibition by Allicin, the Active Principle of Garlic. *Biochemistry Journal*, vol. 63, pp. 514-520.
- Woo, S.H., Parker, M.H., Ploypradith, P., Northrop, J., & Posner, G.H., 1998. Direct conversion of pyranose anomeric OH \rightarrow F \rightarrow R in the artemisinin family of antimalarial trioxanes. *Tetrahedron Letters*, vol. 39, no. 12, pp. 1533-1536.
- World Health Organization 2010. *Guidlines for The Treatment of Malaria*.
- World Health Organization 2014. Severe Malaria. Dalam *Tropical Medicine and International Health*, pp. 7-131, John Wiley & Sons, New York.
- Yang, C.M., Luo, S.F., Hsieh, H.L., Chi, P.L., Lin, C.C., Wu, C.C., & Hsiao, L.D., 2010. Interleukin-1beta induces ICAM-1 expression enhancing leukocyte adhesion in human rheumatoid arthritis synovial fibroblasts: involvement of ERK, JNK, AP-1, and NF-kappaB. *Journal of Cellular Physiology*, vol. 224, no. 2, pp. 516-526.
- Yang, P., Qi, X., Ge, S., & Zhao, M., 2002. Effects of exogenous IL-10 on IL-6 and ICAM-1 expression in inflammatory gingival tissue. *Hua Xi Kou Qiang Yi Xue Za Zhi*, vol. 20, no. 5, pp. 343-345.