

DAFTAR PUSTAKA

- Abdul, M. *et al.* (2015) 'Penentuan Masak Fisiologi dan Ketahanan Benih Kenikir (*Cosmos caudatus* Kunth) terhadap Desikasi', *Hort. Indonesia*, 6(2), pp. 84–90.
- Abdullah, A. *et al.* (2015) 'The effects of *Cosmos caudatus* (Ulam Raja) on detoxifying enzymes in extrahepatic organs in mice', *Journal of Applied Pharmaceutical Science*, 5(1), pp. 082–088. doi: 10.7324/JAPS.2015.50115.
- Agency, E. M. (2019) 'ICH guideline Q3C (R6) on impurities : guideline for residual solvents', 31.
- Agoes, G (2007) *Teknologi Bahan Alam*. Bandung: ITB Press Bandung.
- Ajaykumar, T. *et al.* (2012) 'Anti-inflammatory activity of *Cosmos Caudatus*', *International Journal of Universal Pharmacy and Bio Sciences*, 1(2), pp. 40–48.
- Al-bayati, F. A. dan Al-mola, H. F. (2008) 'Antibacterial and antifungal activities of different parts of *Tribulus terrestris* L . growing in Iraq', *Journal of Zhejiang University SCIENCE B*, 9(2), pp. 154–159. doi: 10.1631/jzus.B0720251.
- Amna, O. F. *et al.* (2013) 'Acute and Oral Subacute Toxicity Study of Ethanolic Extract of *Cosmos Caudatus* Leaf in Sprague Dawley Rats', *International Journal of Bioscience, Biochemistry and Bioinformatics*, 3(4), pp. 301–305. doi: 10.7763/IJBBB.2013.V3.218.
- Andarwulan, N., Batari, R., Agustini, D., *et al.* (2010) 'Flavonoid content and antioxidant activity of vegetables from Indonesia', *Food Chemistry*. Elsevier Ltd, 121(4), pp. 1231–1235. doi: 10.1016/j.foodchem.2010.01.033.
- Antony, H. A. dan Parija, S. C. (2016) 'Antimalarial drug resistance: An overview', *Tropical Parasitology*, 6(1), pp. 30–41. doi: 10.4103/2229-5070.175081.
- Basir, R. *et al.* (2012) 'Antimalarial activity of selected Malaysian medicinal plants', *Phytopharmacology*, 3(1), pp. 82–92.
- Botsaris, A. S. (2007) 'Plants used traditionally to treat malaria in Brazil : the archives of Flora Medicinal', *Ethnobiology and Ethnomedicine*, 3(18), pp. 1–8.
- Bunawan, H., Baharum, S. dan Amin, N. M. (2014) '*Cosmos Caudatus* Kunth : A Traditional Medicinal Herb', *Global Journal of Pharmacology*, 8(3), pp. 420–426. doi: 10.5829/idosi.gjp.2014.8.3.8424.
- CDC (2019) *Malaria*. Available at: <https://www.cdc.gov/malaria/about/biology/index.html> (Accessed: 24 November 2019).
- Chen, M. *et al.* (1994) 'Licochalcone A, a New Antimalarial Agent, Inhibits In Vitro Growth of the Human Malaria Parasite *Plasmodium falciparum* and Protects Mice from *P. yoelii* Infection', *Antimicrobial Agents and Chemotherapy*, 38(7), pp. 1470–1475. doi: 10.1128/AAC.38.7.1470.
- Cheng, S. H. *et al.* (2015) 'Potential medicinal benefits of *Cosmos caudatus* (Ulam Raja): A scoping review', *Journal of Research in Medical Sciences*, 20(10), pp. 1000–1006. doi: 10.4103/1735-1995.172796.
- Cui, L. *et al.* (2015) 'Antimalarial Drug Resistance: Literature Review and

- Activities and Findings of the ICEMR Network', *Tropical Medicine and Hygiene Antimalarial*, 93(Suppl 3), pp. 57–68. doi: 10.4269/ajtmh.15-0007.
- Darlina (2011) 'Parasit malaria rodensia sebagai model penelitian vaksin dengan teknik nuklir', *Buletin Alara*, 13(2), pp. 53–60.
- Darlina *et al.* (2016) 'Aktivitas Antimalaria Ekstrak n-Hexana Daun Artemisia Cina Galur Iradiasi terhadap Plasmodium berghei ANKA', 14(2), pp. 226–232.
- Departemen Kesehatan, R. (2000) 'Parameter Standar Umum Ekstrak Tumbuhan Obat', in. Jakarta, p. 17.
- Ettebong, E., Ubulom, P. dan Etuk, A. (2019) 'Antiplasmodial activity of methanol leaf extract of Citrus aurantifolia (Christm) Swingle', *Journal of Herbmed Pharmacology*, 8(4), pp. 274–280. doi: 10.15171/jhp.2019.40.
- Fitri, L. E. *et al.* (2003) 'Effect of Combined Therapy Using Chloroquine and Vitamin C to the Peritoneal Macrophage Function in Balb/c Strain Mice Infected by Plasmodium berghei', *Majalah Kedokteran Unibraw*, 19(1).
- Fitriany, J. and Sabiq, A. (2018) 'MALARIA', *Jurnal Averrous*, 4(2).
- Harborne (1987) 'Penuntun Cara Modern Menganalisis Tumbuhan', in *Metode Fitokimia*. Edisi I. ITB.
- Herintsoa, R., Baholy, R. R. and Andriantiaray, R. (2005) 'Screening of Plant Extracts for Searching Antiplasmodial Activity', *11th NAPRECA Symposium Book of Proceedings*, pp. 136–144.
- Izza, N. *et al.* (2016) 'Ekstraksi senyawa fenol daun kenikir (Cosmos caudatus) dengan pulse electric field (PEF)', *Teknologi Pertanian*, 17(2), pp. 91–96.
- Jawa La, E. O. dan Kurnianta, P. D. M. (2019) 'Review Article Tradisional Di Indonesia Sebagai Alternatif Pengobatan Malaria', *Acta Holistica Pharmacia*, 1(1), pp. 33–43.
- Junaid, Q. O. *et al.* (2017) 'Pathogenesis of Plasmodium berghei ANKA infection in the gerbil (Meriones unguiculatus) as an experimental model for severe malaria', *Parasite*, 38, pp. 1–14. doi: 10.1051/parasite/2017040.
- Karyana, M. *et al.* (2008) 'Malaria morbidity in Papua Indonesia, an area with multidrug resistant Plasmodium vivax and Plasmodium falciparum', *Malaria Journal*, 7(148), pp. 1–10. doi: 10.1186/1475-2875-7-148.
- Kementrian Kesehatan RI (2018) 'Pemerintah Perluas Wilayah Bebas Malaria', *Sabtu 28 April 2018*, p. 1.
- Kinansi, R. R., Mayasari, R. dan Pramawati, D. A. (2017) 'Pengobatan Malaria Kombinasi Artemisinin (ACT) Di Provinsi Papua Barat Tahun 2013', *BALABA*, 13(1), pp. 43–54.
- Legorreta-Herrera, M. *et al.* (2018) 'Sex-Associated differential mRNA expression of cytokines and its regulation by sex steroids in different brain regions in a plasmodium berghei ANKA model of Cerebral Malaria', *Mediators of Inflammation*, 2018, pp. 1–15. doi: 10.1155/2018/5258797.
- Lim, S. S., Kim, H. dan Lee, D. (2007) 'In vitro Antimalarial Activity of Flavonoids and Chalcones', *Bull. Korean Chem. Soc.*, 28(12), pp. 2495–2497.
- Loizzo, M. R. *et al.* (2012) 'Evaluation of Citrus aurantifolia peel and leaves extracts for their chemical composition, antioxidant and anti-cholinesterase

- activities', *Journal of the Science of Food and Agriculture*, 92(15), pp. 2960–2967. doi: 10.1002/jsfa.5708.
- Moshawih, S. *et al.* (2017) 'A Comprehensive Review on *Cosmos caudatus* (Ulam Raja): Pharmacology, Ethnopharmacology, and Phytochemistry', *International Research Journal of Education and Sciences (IRJES)*, 1(1), pp. 14–16.
- Mukhriani (2014) 'Ekstraksi, pemisahan senyawa, dan identifikasi senyawa aktif', *jurnal kesehatan*, 7(2), pp. 361–367.
- Mun, V. *et al.* (2000) 'A search for natural bioactive compounds in Bolivia through a multidisciplinary approach Part I . Evaluation of the antimalarial activity of plants used by the Chacobo Indians', *Journal of Ethnopharmacology*, 69, pp. 127–137.
- Natadisastra, D. (2009) *Parasitologi Kedokteran Ditinjau Dari Organ Tubuh Yang Diserang*. E d.1. Jakarta: EGC.
- Nawi, L. *et al.* (2011) 'Premilinary Studies on Phytochemical Screening of Ulam and Fruit from Malaysia', *E-Journal of Chemistry*, 8(S1), pp. S285–S288.
- Ngatidjan dan Hakim, L. (2006) *Metode Laboratorium Dalam Toksikologi*. Yogyakarta: Bag. Farmakologi dan Toksikologi Fak. Kedokteran UGM.
- Nindatu, M. *et al.* (2009) 'Prospek Senyawa Flavonoid Kulit Batang Cempedak (*Artocarpus champeden* Spreng) Sebagai inhibitor Detoksifikasi Heme Parasit Malaria', *Jurnal Tumbuhan Obat Indonesia*, 2(2), pp. 92–103. doi: 10.22435/jtoi.v2i2.7858.92-103.
- Norazlina, M. *et al.* (2013) 'Acute Toxicity Study of *Cosmos caudatus* on Biochemical Parameters in Male Rats (Kajian Ketoksikan Akut *Cosmos caudatus* ke Atas Parameter Biokimia di Dalam Tikus Jantan)', *Sains Malaysiana*, 42(9), pp. 1247–1251. Available at: http://www.ukm.my/jsm/pdf_files/SM-PDF-42-9-2013/06 M. Norazlina.pdf.
- Oktiansyah, R. (2015) 'Aktivitas Harian Mencit Jantan (*Mus musculus*) di Laboratorium', pp. 1–13.
- Panche, A. N., Diwan, A. D. dan Chandra, S. R. (2016) 'Flavonoids: An overview', *Journal of Nutritional Science*, 5. doi: 10.1017/jns.2016.41.
- Prahartini, A., Sahid, N. dan Murbawani, E. (2016) 'Pengaruh Bubuk Daun Kenikir (*Cosmos caudatus*) Terhadap Kadar Glukosa Darah Tikus Diabetes Diinduksi Streptozotocin', *Nutrition College*, 5(2), pp. 51–57.
- PubChem (2020) *Compound*, U.S. National Library of Medicine.
- Raharjo, T. J. (2013) *Kimia Hasil Alam*. Yogyakarta: Pustaka Pelajar.
- Rasdi, N. H. *et al.* (2010) 'Antimicrobial studies of *Cosmos caudatus* Kunth. (Compositae)', *Medicinal Plants Research*, 4(8), pp. 669–673.
- Rudrapal, M. dan Chetia, D. (2017) 'Plant Flavonoids as Potential Source of Future Antimalarial leads', *Systematic Reviews in Pharmacy*, 8(1), pp. 13–18.
- Rumagit, H. M., Runtuwene, M. R. J. dan Sudewi, S. (2015) 'Uji Fitokimia Aktivitas Antioksidan Dari Ekstrak Etanol Spons *Lamellodysidea herbacea*', *Pharmacon*, 4(3), pp. 2302–2493.
- Sangi, M. *et al.* (2008) 'Analisis Fitokimia Tumbuhan Obat Di Kabupaten Minahasa Utara', *Chem. Prog.*, 1(1), pp. 47–53.

- Sapirstein, W., Zuckerman, B. dan Dillard, J. (2001) 'A Molecular Marker for Chloroquine-Resistant *Falciparum Malaria*', *The New England Journal of Medicine*, 344(4), pp. 299–302.
- Soesanto, M. dan Jonh, S. (1988) *Pemeliharaan, pembiakan dan penggunaan hewan percobaan di daerah tropis*. Jakarta: UI-PRESS.
- Spaccapelo, R. *et al.* (2010) 'Plasmepsin 4-Deficient *Plasmodium berghei* Are Virulence Attenuated and Induce Protective Immunity against Experimental Malaria', *The American Journal of Pathology*. American Society for Investigative Pathology, 176(1), pp. 205–217. doi: 10.2353/ajpath.2010.090504.
- Suwandi, J. F. (2015) 'Gen PfATP6 dan Resistensi *Plasmodium falciparum* Terhadap Golongan Artemisinin', *Jurnal Kesehatan Unila*, 5(9), pp. 141–146.
- Tandi, J. *et al.* (2018) 'Effect Of Ethanol Extract Of Kenikir (*Cosmos caudatus* Kunth.) Leaves in Blood Glucose, Cholesterol and Histopathology Pancreas of Male White Rats (*Rattus norvegicus*) Joni', *Pharmaceutical Science and Technology*, (1), pp. 70–78.
- Wahyuni, W. T. *et al.* (2018) 'Analisis Kadar Flavonoid Dan Antioksidan Ekstrak Daun Kenikir (*Cosmos Caudatus*), Rumput Mutiara (*Oldenlandia Corymbosa*), Dan Sirsak (*Annona Muricata*) Dengan Teknik Spektrometri', *Analit: Analytical and Environmental Chemistry*, 3(01), pp. 38–46. doi: 10.23960/aec.v3.i1.2018.p38-46.
- Wang, T. yang, Li, Q. dan Bi, K. shun (2018) 'Bioactive flavonoids in medicinal plants: Structure, activity and biological fate', *Asian Journal of Pharmaceutical Sciences*. Elsevier B.V., 13(1), pp. 12–23. doi: 10.1016/j.ajps.2017.08.004.
- Wei, E. *et al.* (2016) 'Ulam Herbs of *Oenanthe javanica* and *Cosmos caudatus* : An Overview on their Medicinal Properties', *Journal of Natural Remedies*, 16(4), pp. 137–147. doi: 10.18311/jnr/2016/8370.
- WHO (2014) 'World Malaria Report 2014', 365(9469), pp. 1487–1498. doi: 10.1016/S0140-6736(05)66420-3.
- WHO (2015) *Guidelines for the treatment of malaria*. 3rd edn.
- WHO (2018) 'World malaria report 2018', in *World Malaria Report 2018*.
- Widyawaruyanti, A., Zaini, N. C. and Syafruddin (2011) 'Mekanisme dan Aktivitas Antimalaria dari Senyawa Flavonoid yang Diisolasi dari Cempedak (*Artocarpus Champeden*)', *JBP*, 13(2), pp. 67–77.
- Wykes, M. N. dan Good, M. F. (2009) 'Infectious disease: Malaria', *Immunol*, 39, pp. 1991–2058. doi: 10.1002/eji.200939552.