

DAFTAR PUSTAKA

- Abhyankar, M.M., Shrimal, S., Gilchrist, C.A., Bhattacharya, A. and Petri, W.A., 2012. The *Entamoeba histolytica* serum-inducible transmembrane kinase EhTMKB1–9 is involved in intestinal amoebiasis. *Int. J. Parasitol. Drugs Drug Resist.*, 2, 243–248.
- Adianti, M., Aoki, C., Komoto, M., Deng, L., Shoji, I. and Wahyuni, T.S., 2014. Anti-virus hepatitis compounds obtained from *Glycyrrhiza uralensis* and other *Glycyrrhiza* species. *Microbiol Immunol.*, 58(3), 180-7.
- Ali, V. and Nozaki, T., 2007. Current therapeutics, their problems, and sulfur-containing amino-acid metabolism as a novel target against infections by “amitochondriate” protozoan parasites. *Clin. Microbiol. Rev.*, 20, 164-187.
- Al-Massarani, S.M., El-Gamal, A.A., Al-Musayeib, N.M., Mothana, R.A., Basudan, O.A., Al-Rehaily, A.J., Farag, M., Assaf, M.H., El-Tahir, K.E.H. and Louis Maes, L., 2013. Phytochemical, antimicrobial and antiprotozoal evaluation of *Garcinia mangostana* pericarp and α-mangostin, its major xantone derivative. *Molecules*, 18, 10599-10608.
- Backer, A and Van Den Brink, B., 1965. *Flora of Java*, Volume I, N.V.P. The Nederlands, Noordhoff-Groningen.
- Barnes, P. M., Bloom, B. and Nahin, R. L., 2008. Complementary and alternative medicine use among adults and children. *Nat Health Stat Report*, United States, 12, 1-23.
- Bennett, G.J., Harrison, L.J., Sia, G.L. and Sim, K.Y., 1993. Triterpenoids, tocotrienols and xantones from the bark of *Cratoxylum cochinchinense*. *Phytochemistry*, 32, 1245–1251.
- Boonsri, S., Karalai, C., Ponglimanont, C., Kanjana-opas, A. and Chantrapromma, K., 2006. Antibacterial and cytotoxic xantones from the roots of *Cratoxylum formosum*. *Phytochemistry*, 67, 723–727.
- Boonnak, N., Karalai, C., and Chantrapromma, S., 2006. Bioactive prenylated xantones and antrakuinones from *Cratoxylum formosum* ssp. *pruniflorum*. *Tetrahedron*. 62, 8850–8859.

- Buana, M.B.B., Iqbal, M., Barus, T.F., Al-Fatony, Z., Sudrajat, H. and Khairi, S., 2009. Isolation and structural elucidation of new xantone from root bark of *Cratoxylum sumatranum*. *Botany Research International*, 2, 4, 233-234.
- Cahill, K.M. and O'Brien, W., 1996. *Amoebiasis in Tropical Medicine a Clinical Text*. Courier International Ltd, Tiptree, Essex.
- Calzada, F., Correa-Basurto, J., Barbosa, E., Méndez-Luna, D., and Yepez-Mulia, L., 2017. Antiprotozoal constituents from *Annona cherimola* miller, a plant used in mexican traditional medicine for the treatment of diarrhea and dysentery. *Pharmacogn. Mag.*, 13, 148–152.
- Choudhary, M.I., Rahman, A. and Thomson, J.W., 2001. *Bioassay Techniques for Drug Development*. Harwood Academic Publishers, Amsterdam.
- Cimanga, R.K., Kambu, K., Tona, L., Hermans, N., Apers, S., Totte, J., Pieters, L. and Vlentinck, A.J., 2006. Citotoxicity and in-vitro susceptibility of *Entamoeba histolitica* to *Morinda morindoides* leaf extracts and its isolated constituents. *J. Ethnopharmacol.*, 107, 83-90.
- Depkes, RI, 1995. *Farmakope Indonesia*, ed. 4, Depkes RI, Jakarta, 4, 449-450.
- Depkes RI, 1987. *Analisis Obat Tradisional*, Jilid I, Departemen Kesehatan RI, Jakarta. 111-112
- Depkes RI, 2000. *Parameter Standar Umum Ekstrak Tumbuhan Obat*. Departemen Kesehatan Republik Indonesia, Jakarta, 9-11,16.
- Depkes RI, 2008. *Farmakope Herbal Indonesia*. Edisi Pertama. Departemen Kesehatan Republik Indonesia, Jakarta.
- Depkes RI, 2015. *Penyebaran Infeksi Penyakit Tropis di Indonesia*. Departemen Kesehatan Republik Indonesia, Jakarta.
- Gandahusada, S., Illahude, H.H.D. and Pribadi, W., 1998. *Parasitologi Kedokteran*. Edisi ketiga. Balai Penerbit Fakultas Kedokteran Universitas Indonesia, Jakarta.
- Gritter, R. J., Bobbit, J. M. and Schwarting, A. E., 1991. *Pengantar Kromatografi*, ed. 2, terjemahan Kosasih Padmawinata, Penerbit ITB, Bandung, 34-81.

- Herrera-Martínez, M., Hernández-Ramírez, V.I., Hernández-Carlos, B., Chávez-Munguía, B., Calderón-Oropeza, M.A. and Talamás-Rohana, P., 2016. Antiamoebic activity of *Adenophyllum aurantium* (L.) strother and its effect on the actin cytoskeleton of *Entamoeba histolytica*. *Frontiers in Pharmacology*, 169, 7.
- Hostettmann, K., Hostettmann, M. and Marston, A., 1995. *Cara Kromatografi Preparatif*. Diterjemahkan oleh Kosasih Padmawinata, Penerbit ITB, Bandung, Halaman 9-11, 33.
- Iinuma, M., Tosa, H., Ito, T., Tanaka, T. and Madulid, D.A., 1996. Two xantones from roots of *Cratoxylum formosanum*. *Phytochemistry*, 42, 1195–1198.
- Jawetz, E., 1986. *Mikrobiologi*. Penerbit Buku Kedokteran EGC, Jakarta.
- Jawetz, E., 2004. *Mikrobiologi Kedokteran*. Penerbit buku kedokteran EGC, Jakarta.
- Jeelani, G., Husain, A., Sato, D., Soga, T., Suematsu, M. and Nozaki, T., 2013. Biochemical and functional characterization of novel NADH kinase in the enteric protozoan parasite *Entamoeba histolytica*. *Biochimie*, 95, 309-319.
- Kazakevich, Y., and LoBrutto, R., 2006. Size-Exclusion Chromatography. *HPLC for Pharmaceutical Scientists*, 263–279.
- Laphookhieo, S., Syers, J.K., Kiattansakul, R. and Chantrapromma, K., 2006. Cytotoxic and antimalarial prenylated xanthones from *Cratoxylum cochinchinense*. *Chem. Pharm. Bull.*, 54 (5), 745-747.
- Lejeune, M., Rybicka, J.M., and Chadee, K., 2009. Recent discoveries in the pathogenesis and immense response towards *Entamoeba histolytica*. *Future Microbiol.*, 4, 105–118.
- Li, Z.P., Lee, H.-H., Uddin, Z., Song, Y.H. and Park, K.H., 2018. Caged xanthones displaying protein tyrosine phosphatase 1B (PTP1B) inhibition from *Cratoxylum cochinchinense*. *Bioorganic Chemistry*, 78, 39–45.
- Mahabusarakam, W., Nuangnaowarat, W. and Taylor, W., 2006. Xanthone derivatives from *Cratoxylum cochinchinense* roots. *Phytochemistry*, 67(5), 470–474.

- Moundipa, P. F., Flore, K. G. M., Bilong, C. F. B. and Bruchhaus, I., 2005. In vitro amoebicidal activity of some medicinal plants of the Bamun region (Cameroon). *Afr. J. Trad. Cam.*, 2, 113–121.
- Newman, D.J. and Cragg, G.M., 2012. Natural products as sources of new drugs over the 30 years from 1981 to 2010. *J. Nat. Prod.*, 75, 311–335.
- Nguyen, H.D., Trinh, B.T.D., Nguyen, N.K., Dang, S.V., Pham, H.D. and Nguyen, L.H.D., 2011. Xanthones from the twigs of *Cratoxylum cochinchinense*. *Phytochemistry Letters*, 4, 48–51.
- Ortelli, D., Edder, P. and Corvi, C., 2005. Pesticide residues survey in citrus fruits. *Food Additives and Contaminants*, 22 (5), 423–428.
- Pavia, D.L., Lampman, G.M., Kriz, G.S. and Vyvyan, J.A., 2001. *Introduction to Spectroscopy*, Harcourt College Pub, Orlando.
- Pinilla, A.E., López, M.C. and Viasus, D.F., 2008. History of the *Entamoeba histolytica* protozoan. *Rev. Med. Chile.*, 136, 118–124.
- Rattanaburi, S., Daus, M., Watanapokasin, R. and Mahabusarakam, W., 2014. A new bisanthraquinone and cytotoxic xanthones from *Cratoxylum cochinchinense*. *Natural Product Research*, 28 (9), 606–610.
- Ren, Y., Matthew, S., Lantvit, D.D., Ninh, T.N., Chai, H., Fuchs, J.R., Soejarto, D.D., Blanco, J.C., Swanson, S.M. and Kinghorn, A.D., 2011. Cytotoxic and NF-κB inhibitory constituents of the stems of *Cratoxylum cochinchinense* and their semisynthetic analogues. *Journal of Natural Products*, 74 (5), 1117–1125.
- Rohman, A. and Gholib, I.G., 2007. *Kimia Farmasi Analisis*. Penerbit Pustaka Pelajar, Yogyakarta, Hal. 220–240.
- Roth, J.H. and Blaschke, G., 1985. *Analisis Farmasi*. Gadjah Mada University Press, Yogyakarta.
- Roth, J.H., and Blaschke, G., 1998. *Analisis Farmasi*, Cetakan III, diterjemahkan oleh Kisman, S., dan Ibrahim, S., Gadjah Mada University Press, Yogyakarta.
- Sarker, M.M.A., Rizwan, F., Haque, R., Siddique, A., Parveen, S. and Islam, S., 2008. *In vitro* sensitivity of different brands of antiamoebic drugs

- (metronidazole tablets) against clinical isolates of *Entameba histolytica* in Bangladesh. *J. Biol. Sci.*, 8, 925–929.
- Sastrohamidjojo, H., 2001. *Kimia Dasar*. Gajah Mada University Press, Yogyakarta.
- Seo, E.K., Kim, N.C., Wani, M.C., Wall, M.E., Navarro, H.A., Burgess, J.P., Kawanishi, K., Kardono, L.B.S., Riswan, S., Rose, W.C., Fairchild, C.R., Farnsworth, N.R. and Kinghorn, A.D., 2002. Cytotoxic prenylated xantones and the unusual compounds anthraquinobenzofenones from *Cratoxylum sumatranum*. *J. Nat. Prod.*, 65, 299–305.
- Sidahmed, H.M.A., Abdelwahab, S.I., Mohan, S., Abdulla, M.A., Taha, M.M.E., Hashim, N.M., Hadi, A.H.A., Vadivelu, J., Fai, M.L., Rahmani, M. and Yahayu, M., 2013. α -Mangostin from *Cratoxylum arborescens* (Vahl) Blume demonstrates anti-ulcerogenic property: A mechanistic study. *Hindawi*, Article ID 450840.
- Sidahmed, H.M.A., Hashim, N.M., Mohan, S., Abdelwahab, S.I., Taha, M.M.E., Dehghan, F., Yahayu, M., Lian-Ee, G.C., Loke, M.F. and Vadivelu, J., 2016. Evidence of the gastroprotective and anti-*Helicobacter pylori* activities of β -mangostin isolated from *Cratoxylum arborescens* (vahl) Blume. *Drug Design Development and Therapy*, 10, 297–313,
- Silverstein, R.M., Bassler, G.C. and Morrill, T.C., 1991. *Spectrometric Identification of Organic Compounds*, 5th ed., John Wiley & Sons, Inc., New York.
- Sim, W.C., Lian-Ee, G.C. and Aspollah, S.M., 2011. α -mangostin and β -mangostin from *Cratoxylum glaucum*. *Res.J.Chem.Environ.*, 15.
- Singh, S., Bharti, N. and Mohapatra, P.P., 2009. Chemistry and biology of synthetic and naturally occurring antiamoebic agents. *Chem. Rev.*, 109, 1900–1947.
- Soepadmo, E. and Wong, K.M., 1995. *Tree flora of Sabah and Sarawak volume I*, 1st ed., Joint publication of Sabah Forestry Department, Forest Research Institute Malaysia and Saraway Forestry Department, Malaysia.
- Sripanidkulchai, K., Teepsawang, S. and Bungorn Sripanidkulchai, B., 2010. protective effect of *Cratoxylum formosum* extract against acid/alcohol-induced gastric mucosal damage in rats. *J. Med. Food*, 5, 1097–1103.

- Stahl, E., 1985. *Analisis Obat secara Kromatografi dan Mikroskopi*, Edisi terjemahan (diterjemahkan oleh Kosasih Padmawinata, Iwang. Soediro), ITB press, Bandung, 3-18.
- Sticher, O., 2008. Natural product isolation. *Natural Prod. Rep.*.. 25, 517-554.
- Suriptiastuti, 2010. Host-parasite interactions and mechanisms of infection in amoebiasis. *Universa Medicina*, 2, 29.
- Tantapakul, C., Maneerat, W., Sripisut, T., Ritthiwigrom, T., Andersen, R. J., Cheng, P., Cheenpracha, S., Raksat, A. and Laphookhieo, S., 2016. New benzofenones and xantones from *Cratoxylum sumatranum* ssp. *neriifolium* and their antibacterial and antioxidant activities. *J. Agric. Food Chem.*, 64, 8755–8762.
- Tanyuksel, M. and Petri, W.A., 2003. Laboratory diagnosis of amoebiasis. *Clin. Microbiol. Rev.*., 16, 713–729.
- Wardana, F.Y., Sari, D.K., Adianti, M., Permanasari, A.A., Tumewu, L., Nozaki, T., Widyawaruyanti, A. and Hafid, A.F., 2018, Amoebicidal activities of Indonesian medicinal plants in Balikpapan, East Kalimantan. *Procceding Bromo Conference (BROMO 2018)*, 77-82.