DAFTAR PUSTAKA

Agung Nugroho. 2017. Buku Ajar Teknologi Bahan Alam. Banjarmasin: Lambung Mangkurat University

Aisha, A. F. A., Abu-Salah, K. M., Siddiqui, M. J., Ismail, Z., and Majid, A. M. S. A. 2012. Quantification of α-, β- and γ-mangostin in *Garcinia mangostana* fruit rind extracts by a reverse phase high performance liquid chromatography. *J. Med. Plants Res* 6(29): 4526- 4534

Akao,Y., Nakagawa,Y., Linuma, M., Nozawa, Y. 2008. Anti-Cancer effect of xanthones from pericarps of Mangosteen, *Int.J.Moi.* Mci,9 (3): 355-370.

Alen, Y., Safitri, N., Dachriyanus., Ali, A.M., Ladjis, N. H., Sargent, M. V. 2008. Rubraxhantone dari *Garcinia forbesii King.* Dan bioaktivitasnya. *J. Ris. Kim.* 1 (2): 192-201

Andayani, R., Novita, R., Verawati. 2015. Pengaruh Metode Ekstraksi terhadap Kadar Xanton Total dalam Ekstrak Kulit Buah Manggis Matang (Garcinia mangostana L.) dengan Metode Spektrofotometri Ultraviolet. *Prosiding Seminar Nasional & Workshop Perkembangan Terkini Sains Farmasi & Klinik* 353-361

Chairungsrilerd, N., Furukawa, K.I., Ohta, T., Nozoe, S., Ohizumi, Y., 1996. *Pharmacological properties of a-mangostin,a novel histamine H1 receptor antagonist*. Eur. J. Pharmacol.314, 351–356.

Chen, LG.,Yang, LL.,Wang, CC. 2008. Anti-inflammatory activity of Mangostin from *Garcinia mangostana, Food Chem Toxicol*, 46(2):688-693.

Cikita, I., Hasibuan, I. H., Hasibuan, R. 2016. Pemanfaatan Flavonoid Ekstrak daun Katuk *(Sauropus androgynus (L) Merr)* sebagai Antioksidan pada Minyak Kelapa. *Jurnal Teknik Kimia USU*, 5 (1): 45-51

Cui, J., Hu, W., Cai, Z., Liu, Y., Li, S., Tao, W., Xyang, H. 2010. New medicinal properties of mangostins :Analgesic activity and Pharmacological Characterization of Active Ingredients from the fruit hull of Garcinia mangostana L., *Pharmacol, Biochem, Behav*, 95(2) : 102-104.

Dachriyanus,Rizal, F. 2003. Antimicrobial and Antioxidant Activity Test Coumpound Result Isolation of Skin Stem Plant Garcinia cowa Roxb. *J. Math. Nat Sci.* 12: 67-72

Departemen Kesehatan Republik Indonesia. 2000. Parameter Standar Umum Ekstrak Tumbuhan Obat. Cetakan Pertama. Jakarta: Direktorat Jendral Pengawasan Obat dan Makanan. Hal. 9,17.

Devi, S. P., Vijayaraghavan, K., 2010. *Cardioprotective effect of amangostin, a xanthone derivative from mangosteen on tissue defense system against isoproterenol-induced myocardial infarction in rats*. J. Biochem. Mol. Toxicol. 21, 336– 339.

Djamal, R. 2010, *Kimia Bahan Alam: Prinsip-Prinsip Dasar Isolasi dan Identifikasi*, Padang: Universitas Baiturrahmah.

Do, Q. D., Angkawijaya, A. E., Tran-Nguyen, P. Lan., Huynh, L. H., Soetaredjo, F. E., Ismadji, S., Ju, Y. H. 2014. Effect of Extraction Solvent on Total Phenol Content, Total Flavonoid Content, and Antioxidant Activity of Limnophila aromatic. *Journal of Food and Drug Analysis* Vol. 22 : 296-302.

Doi, H., Shibata, M. A., Shibata, E., Morimotok, J., Akao, Y., Linuma, M., Tanigawa, N, Otsuki Y. 2009. Panaxanthone isolated from pericarp of *Garcinia mangostana* L. Supresses tumor growth and metastasis of a mouse model of Mammary cancer. *Anti cancer Res*, 29 (7): 2485-2495.

Gandjar, I. G dan Abdul Rohman. 2012. Analisis obat secara spektrofotometri dan kromatografi. Yogyakarta: Pustaka Pelajar.

Iimuna, M., Tosa, H., Tanaka, T., Asai, F., Kobayashi, Y., Shimano, R. 1996. Antibacterial Activity of Xanthones from Guttiferous Plant Against Methicillin Resisten Staphylococcus aureus. *J. Pharm. Pharmacol.* 48: 861

International Conference on Harmonization. 1994. Validation of Analytical Procedures: Text and Methodology Q2(R1). Geneva: International Conference on Harmonization.

Iswari K, dan Sudaryono T. 2007. Empat Jenis Olahan Manggis, Si Ratu Buah Dunia dari Sumbar. Di dalam: Tabloid Sinar Tani. BPTP Sumbar

Jantan, I., Pisar, M. Md., Idris, M. S., Taher, M., Ali, R. M. 2002. In Vitro inhibitory effect of rubraxanthone isolated from Garcinia parvifolia on platelet activating factor reseptor binding. *Letter Planta Med.* 68: 1133-1134.

Jung, HA., Su, BN., Keller, WJ., Mehta, RG., Kinghoen,AD. 2006. Antioxidant Xanthones from the pericarp of Garcinia mangostana L.(Mangosteen). J. Agric Food Chem., 54 (6): 2077- 2082

Kementerian Kesehatan Republik Indonesia. 2017. Farmakope Herbal Indonesia Edisi II. Jakarta: Kementerian Kesehatan Republik Indonesia.

Kwartiningsih E., Dwi Ardiana S., Agung Wiyatno, Adi Triyono. 2009. Zat Warna Tekstil dari Kulit Buah manggis, Equilibrium, Vol 8.No.1.

Lee, Y.B., Ko, K.C., Shi, M.D., Liao, Y.C., Chiang, T.A., Wu, P.F., Shih, Y.X., Shih, Y.W., 2010. a-Mangostin, a novel dietary xanthone, suppresses TPA-mediated MMP- 2 and MMP-9 expressions through the ERK signaling pathway in MCF-7 human breast adenocarcinoma cells. J. Food Sci. 75, H13–H23.

Marjoni, M. R. 2016. Dasar-dasar Fitokimia untuk Diploma III Farmasi. Jakarta: Trans Info Media Press.

Matsumoto, K., Akao, Y., Kobayashi, E., Ohguchi, K., Ito, T., Tanaka, T., Iinuma, M., Nozawa, Y., 2003. *Induction of apoptosis by xanthones from mangosteen in human leukemia cell lines*. J. Nat. Prod. 66, 1124– 1127.

Muchtarid, M , Puteri, N. A., Milanda, T., Musfiroh, I. 2017. Validation Analysis Methods of-Mangostin,-Mangostin and Gartanin Mixture in Mangosteen (Garcinia mangostana L.) Fruit Rind Extract from West Java with HPLC. *Journal of Applied Pharmaceutical Science* Vol. 7 (10), 125-130.

Pe'rez-Rojas, J. M., Cruz, C., Garcia-Lopez, P., Sanchez-Gonzalez, D.J., Martinez-Martinez, C.M., Ceballos, G., Espinosa, M., Melendez-Zajgla, J., Pedraza-Chaverri, J., 2009. Renoprotection by a-mangostin is related to the attenuation in renal oxidative/ nitrosative stress induced by cisplatin nephrotoxicity. Free Radical. Res. 43, 1122–1132.

Pothitirat, Werayut, Mullika T.C., Roongtawan S. and Wandee G. 2009. Comparison of bioactive compounds content, free radical scavenging and antiacne inducing bacteria activities of extracts from the mangosteen fruit rind at two stages of maturity. *Fitoterapia (80)*, 442–447.

Reich, E dan Schibli, A. 2006. High performance thin layer chromatography for the analysis of medicinal plants. *New York: Thieme.*

Salim, E., Afritunando, Y., Febriana, N. A., Efdi M. 2019. Studi Optimasi Ekstraksi Kandungan Senyawa Fenolik Total dan Uji Aktivitas Antioksidan dari Daun Manggis *(Garcinia mangostana Linn.). Jurnal Riset Kimia.* 10(1) 36-43.

Saidi, N., Ginting, B., Murniana dan Mustanir. 2018. Analisis Metabolit Sekunder. *Banda Aceh: Syiah Kuala University Press*

Sarker, S. D., Latif, Z., and Gray, AI. 2006. Natural product isolation. In: Sarker SD, Latif Z, & gray editors. *Natural Products Isolation.* 2nd ed. Totowa (New Jersey). Humana Press Inc. Hal. 6-10, 18.

Sujoeno, 2017. Uji Antibakteri Ekstrak Metanol Kulit Buah Manggis (garcinia mangostana l.) Terhadap Staphyllococcus aureus dan Escherechia coli. ISSN: 2338 – 5634 (print); ISSN: 2580-0191.

Suksamrarn, S., Suwannapoch, N., Phakhodee, W., Thanuhiranlert, J., Ratananukul, P., Chimnoi, N., Suksamrarn, A., 2003. *Antimycobacterial activity of prenylated xanthones from the fruits of Garcinia mangostana*. Chem. Pharm. Bull. 51, 85.

Tewtrakul, S., Wattanapiromsakul, C., Mahabusarakam, W., 2009. Effects of compounds from *Garcinia mangostana* on Inflammatory Mediators in RAW 264,7 Macrophage Cells. *J. Ethnopharmacol*, 121(3): 379-382.

Vermaak, I., Hamman,J. H., Viljoen, A. M. 2010. *High performance thin layer chromatography as a method to authenticate Hoodia gordonii raw material and products*. South African Journal of Botany. 76.119-124.

Walker, E. B. 2007. HPLC *analysis of selected xanthones in mangosteen fruit.* J. Sep. Sci. 30 (9):1229-1234.

UNIVERSITAS ANDALAS
KEDJAJAAN
UNTUK
BANGSA