

DAFTAR PUSTAKA

- Adi LT. 2012. Buni : Tanaman Obat dan Jus untuk Mengatasi Penyakit Jantung, Hipertensi, Kolesterol, dan Stroke. Jakarta: Agromedia Pustaka. 56.
- Bontempo P, de Masi L, Carafa V, *et al.* 2015. Anticancer activities of anthocyanin extract from genotyped *Solanum tuberosum* L. “Vitelotte”. *J Funct Foods*. 19: 584–593.
- Butkhup L, Samappito S. 2008^a Analysis of Anthocyanin, Flavonoids, and Phenolic Acids in Tropical Bignay Berries. *International Journal of Fruit Science*. 8(1-2): 15-34.
- Butkhup L, Samappito S. 2008^b. An analysis on flavonoids contents in Mao Luang fruits of fifteen cultivars (*Antidesma bunius*), grown in northeast Thailand. *Pak J Biol Sci*. 11(7): 996-1002.
- Butkhup L, Samappito S. 2011. Changes in physico-chemical properties, polyphenol compounds and antiradical activity during development and ripening of maoluang (*Antidesma Bunius* L. Spreng) fruits. *Journal of Fruit and Ornamental Plant Research*. 19(4): 85-99.
- Chowtivannakul P, Srichaikul B, Talubmook C. 2016. Hypoglycemic andHypolipidemic Effects of Seed Extract from *Antidesma bunius* (L.) Spreng in Streptozotocin-induced Diabetic Rats. *Pak J Biol Sci*. 19: 211–8.
- El-Tantawy WH, Soliman ND, *et al.* 2015. Investigation of antidiabetic action of *Antidesma bunius* extract in type 1 diabetes. *Arch Physiol Biochem*. 121: 116–22.
- Fimognari C, Berti F, *et al.* 2004. Induction of apoptosis in two human leukemia cell lines as well as differentiation in human promyelocytic cells by cyanin-3-O-beta-glucopyranoside. *Biochem Pharmacol*. 67: 2047-2056.

- Galvano F, Fauci LL, *et al.* 2007. Bioavailability, antioxidant and biological properties of the natural free-radical scavengers cyanidin and related glycosides. *Ann Ist Super Sanita.* 43: 382-393.
- Hui C, Bin Y, Xiaoping Y, *et al.* 2010. Anticancer activities of an anthocyanin-rich extract from black rice against breast cancer cells in vitro and in vivo. *Nutr Cancer.* 62(8): 1128–1136.
- Ibrahim TA, Dib RAE, *et al.* 2019. Chemical composition and antimicrobial and cytotoxic activities of *Antidesma bunius* L. *Pak J Pharm Sci.* 32(1): 153-163
- Islam S, Ahammed S, Sukorno FI, *et al.* 2018. A review on phytochemical and pharmacological potentials of *Antidesma bunius*. *J Journal of Analytical & Pharmaceutical Research.* 7(5): 602–604.
- Islary A, Sarmah J, Basumatary S. 2017. Nutritional Value, Phytochemicals and Antioxidant Properties of Two Wild Edible Fruits (*Eugenia Operculata* Roxb. and *Antidesma Bunius* L.) from Assam, North-East India. *Mediterranean Journal of Nutrition and Metabolism.* 10: 29–40.
- Jang YP, Zhou J, Nakanishi K, Sparrow JR. 2005. Anthocyanins protect against A2E photooxidation and membrane permeabilization in retinal pigment epithelial cells. *Photochem Photobiol.* 81: 529-536.
- Jorjong, S., Butkhup, L., & Samappito, S. 2015. Phytochemicals and antioxidant capacities of Mao-Luang (*Antidesma bunius* L.) cultivars from Northeastern Thailand. *Food Chemistry.* 181: 248–255.
- Kähkönen MP, Heinonen M. 2003. Antioxidant activity of anthocyanins and their aglycons. *J Agric Food Chem.* 51(3): 628-633.

- Kang TH, Hur JY, Kim HB, *et al.* 2006. Neuroprotective effects of the cyanidin-3-O- β -d-glucopyranoside isolated from mulberry fruit against cerebral ischemia. *Neurosci Lett.* 391(3): 122–126.
- Kautsar L, Sitorus P. 2020. Dalimunthe A. Anti-Inflammatory Activity of Ethanol And Fraction of Buni Leaves (*Antidesma Bunius* L.) on White Rat In Carrageenan Induced Paw Inflammation. *Asian Journal of Pharmaceutical Research and Development.* 7(5): 1-5.
- Khoo HE, Azlan A, Tang ST and Lim SM. 2017. Anthocyanidins and anthocyanins: colored pigments as food, pharmaceutical ingredients, and the potential health benefits. *Food & Nutrition Research.* 61: 1-21.
- Krongyut O, Sutthanut K. 2019. Phenolic Profile, Antioxidant Activity, and Anti-obesogenic Bioactivity of Mao Luang Fruits (*Antidesma bunius* L.). *Molecules.* 24(22): 1-15.
- Lee J, Lee HK, Kim CY, *et al.* 2005. Purified high-dose anthocyanoside oligomer administration improves nocturnal vision and clinical symptoms in myopia subjects. *Br J Nutr.* 93: 895-899.
- Lim T. K. 2012. *Antidesma Bunius: Edible Medicinal and Non-Medicinal Plants.* Volume, 4 Fruits. New York: Springer: 220.
- Liu Z, Schwimer J, *et al.* 2005. Black raspberry extract and fractions contain angiogenesis inhibitors. *J Agric Food Chem.* 53: 3909-3915.
- Lizardo RCM, Mabesa LB, *et al.* 2015. Functional and antimicrobial properties of bignay [*Antidesma bunius* (L.) Spreng.] extract and its potential as natural preservative in a baked product. *International Food Research Journal.* 22(1): 88-95.

- Min J, Yu SW, Baek SH, *et al.* 2006. Neuroprotective effect of cyanidin-3-O-glucoside anthocyanin in mice with focal cerebral ischemia. *Neurosci Lett.* 2011; 500(3): 157–161.
- Ngamlerst C, Udomkasemsab A, *et al.* 2019. The potential of antioxidant-rich Maoberry (*Antidesma bunius*) extract on fat metabolism in liver tissues of rats fed a high-fat diet. *BMC Complement Altern Med.* 19(1): 1-12.
- Nugraha, AS, Keller PA. 2011. Revealing indigenous Indonesian traditional medicine: anti-infective agents. *Nat Prod Comm.* 6: 1953–1966.
- Panicha P, Prakasit K, *et al.* 2017. In vitro antimicrobial activity of *Antidesma bunius* extracts on oral pathogenic bacteria. *Thai Journal of Pharmaceutical Sciences.* 41 (4): 144-149.
- Ratnadewi AA I, Wahyudi LD, *et al.* 2018. Revealing anti-diabetic potency of medicinal plants of Meru Betiri National Park, Jember – Indonesia. *Arabian Journal of Chemistry.* 13: 1831-1836.
- Rechner AR, Kroner C. 2005. Anthocyanins and colonic metabolites of dietary polyphenols inhibit platelet function. *Thromb Res.* 116(4): 327–334
- Samappito S, Butkhup L. 2008. An analysis on organic acids contents in ripe fruits of fifteen Mao Luang (*Antidesma bunius*) cultivars, harvested from dipterocarp forest of Phupan valley in Northeast Thailand. *Pakistan Journal of Biological Sciences.* 11(7): 974-981.
- Shipp Jaclyn and Abdel-Aal El-Sayed M. 2010. Food Applications and Physiological Effects of Anthocyanins as Functional Food Ingredients. *The Open Food Science Journal.* 4: 7-22

- Suravanichnirachorn W, Haruthaithanasan V, *et al.* 2018. Effect of carrier type and concentration on the properties, anthocyanins and antioxidant activity of freeze-dried mao [*Antidesma bunius* (L.) Spreng] powders. *Agriculture and Natural Resources*. 52: 354-360.
- Takikawa M, Inoue S, Horio F, *et al.* 2010. Dietary anthocyanin-rich bilberry extract ameliorates hyperglycemia and insulin sensitivity via activation of AMP-activated protein kinase in diabetic mice. *J Nutr*. 140(3): 527–533.
- Tawali S, Asad S, Hatta M, Bukhari A, *et al.* 2019 Anthocyanin-rich Buni-berry (*Antidesma bunius*) Extract Increases Paraoxonase 1 Gene Expression in BALB/c Mice Fed with a High-fat Diet. *Journal of Young Pharmacists*. 11(1): 46-50.
- Toufektsian MC, De Lorgeril M, Nagy N, *et al.* 2008. Chronic dietary intake of plant-derived anthocyanins protects the rat heart against ischemia-reperfusion injury. *J Nutr*. 138(4): 747–752.
- Udomkasemsab A, Ngamlerst C, Kwanbunjun K, *et al.* 2019. Maoberry (*Antidesma bunius*) Improves Glucose Metabolism, Triglyceride Levels, and Splenic Lesions in High-Fat Diet-Induced Hypercholesterolemic Rats. *J Med Food*. 22(1): 29-37.