



## BAB V

### DAFTAR PUSTAKA

- Aisha, A.F.A., Abu-Salah, K. M., Ismail, Z., Abdul Majid, A.M.S., 2013, Determination Of Total Xanthones in *Garcinia mangostana* Fruit Rind Extracts by Ultraviolet (UV) Spectrophotometry, *Journal of Medicinal Plants Research* Vol 7(1), pp 29-35.
- Barry, Williams, 2004, Penetration Enhancer, *Advanced Drug Delivery Revies*, 56, 603-621.
- Boots Agnes W., Haenan Guido R.M.M. & Best Aalt., 2008, Health Effects of Quercetin : From Antioxidant to Nutraceutical, *European Journal of Pharmacology*, 585, 325-337.
- Chawla, R.C., Doura, K.F., & McKay, D., 2001, *Effect of Alcohol Cosolvents on The Aqueous Solubility of Trichloroethylene*, Department of Engineering, Howard University, Washington D.C.
- Cespedes Carlos L, Valdez Moralez Maribel, SAvila Jose G, El-Hafidi Mohammed, Alarcon Julio & Paredes Lopez Octavio, 2010, Phytochemical Profile and The Antioxidant Activity of Chielan Wild Black-berry Fruits, Ariestotelia Chilensis (Mol) stunt (Elaeocarpaceae), *Journal Food Chemistry*, 119, 886-895.
- Friend, D., Catz, P., Heller, J., Reid, J., Baker., R., 1998, Transdermal Delivery of Levonorgestrel I : Alkanols as Permeation Enhancers, *J Control Release* 7 : 243-250.
- Gandjar, I.G. dan Rohman A, 2007, *Kimia Farmasi Analisis*, Pustaka Pelajar, Yogyakarta.
- Heard, Charles M., 2015, *Percutaneous Penetration Enhancers Chemical Methods in Penetration Enhancement : Modification of the Stratum Corneum*, Springer-Verlag Berlin Heidelberg, 152.
- Heyne, K., 1987, *Tumbuhan Berguna Indonesia III*, Penerjemah : Badan Penelitian dan Pengembangan Kehutanan, Yayasan Sarana Wahajaya, Jakarta, pp 1385 – 1386.
- Hutapea, J.R., 1994, *Inventaris Tanaman Obat Indonesia Jilid III*, Jakarta, Departemen Kesehatan Republik Indonesia dan Badan Penelitian dan Pengembangan Kesehatan.
- Jung, H.A., Su, B.N., Keller, W.J., Mehta, R.G., Kinghorn, A.G., 2006, Antioxidant Xanthones from The Pericarp of Garciana Mangostana (Mangosteen), *J Agric Food Chem*, 54(6):2077-2082.
- Kurihara-Bergstrom T, Knutson K, DeNoble LJ, Goates CY, 1990, Percutaneous Absorption Enhancement of an Ionic Molecule by Ethanol-Water System in Human Skin, *Pharm Res* 7 : 762-766.
- Masaki, H., 2010, Role of Antioxidants in the Skin : antiaging Effectst, *Journal of Dermatological Science*, 58, 85-90



- Matsumo, K., 2003, *Introduction of Apoptosis by Xanthone from Mangosteen in Human Leukimia Cell Lines*, Gifu International Institute of Biotechnology, J. Nat.
- Miller, J. N, & Miller, J. C, 2005, *Statistics and Chemometrics for Analytical Chemistry*, 5<sup>th</sup> ed., 111, Pearson Education Limited, Edinburgh Gate.
- Molyneux, P., 2004, The Use of The Stable Free Radical Diphenylicryl-hydrazil (DPPH) for Estimating Antioxidant Activity, *Songklanakarin Journal Science Technology*, 26(2) :211-219.
- Moongkardi, K., Lurantana, Jogsonboonkusol, Pongpan & Neunton., 2004, *Xanthones Powerfull Health Agents for Improved Health and Xanthones Research Finding*, <http://www.xanthone.com>.
- Moore, W., 1982, *Harry's Cosmeticology* (7<sup>th</sup> ed.), George London : Godwin, 3-6, 247-254.
- Morton, J.F., 1987, *Fruits of Warm Climate*, USA : Creative Resource System.
- Murthy, N., 2011, *Dermatokinetics of Therapeutic Agent*, USA : CRC Press, 3-5, 10,83-86.
- Musa, K.H., Abdullah, A., Kuswandi, B., & Hidayat, M.A., 2013, A novel high throughput method based on the DPP dry reagent array for determination of antioxidant activity, *Food Chemistry*, 141 : 4102-4106.
- Nakatani, K., Atsumi, M., Arakawa, T., Oosawa, K., Shimura, S., Nakahata, N., & Ohizumi, Y., 2002, Inhibitions of Histamine Release and Prostaglandin E2 Synthesis by Mangosteen a Thai Medicinal Plant, *Biol Pharm Bull*, 25(9):1137-1141.
- Obolskiy, D., P. Ivo, S. Nisarat, & H. Michael., 2009, *Garcinia mangostana L.: Phytochemical and Pharmacological Review*, <http://www.interscience.wiley.com>.
- Pothitirat, W and Gritsanapan, W., 2008, Quantitative Analysis of Total Mangostins in *Garcinia mangostana* Fruit Rind, *J Health Res*, 22(4) : 161-166.
- Rowe, R.C., Shesky, P., & Owen, S.C.(Ed), 2006, *Handbook of Pharmaceutical Excipient* (5<sup>th</sup> ed), London : Pharmacheutical Press.
- Rukmana, R., 1995, Budidaya Manggis, Penerbit Kanisius, Yogyakarta.
- Salvador,A., & Chisvert, A., 2007, *Analysis of Cosmetic Products*, Amsterdam : Elsevier B.V.
- Suksamrarn, S., Suwannapoch, N., Phakhodee, W., Thanuhiraanlert, J., Ratananukul, P., Chimnoi, N., & Suksamran, A., 2003, Antimycobacterial Activity of Prenylated Xanthonesfrom The Fruits of *Garcinia Mangostana*, *Chem Pharm Bull*, 51(7):857-859
- Touitou, Elka & Barry, Brian, 2007, *Enhancement in Drug Deivery*, New York, CRC Press, 217-221., 2003.
- Vimala, S., Ilham, Adenan Mohd., Rashih, Ahmad Abdull, Rohana, Shahdan, *Nature's Choices to Wellness: Antioxidant Vegetables/ Ulam*, Malaysia, Kuala Lumpur: Forest Research Institut.
- Walker, E.B., 2007, *HPLC Analysis of Selected Xanthones in Mangosteen Fruit*, USA : Weber State University, Ogden.



UNIVERSITAS  
GADJAH MADA

**FORMULASI EKSTRAK KULIT BUAH MANGGIS (*Garcinia mangostana L.*) DALAM PEMBAWA  
CAMPURAN ETANOL-AIR DAN  
UJI IN-VITRO TRANSPORTNYA**

RIAS RENO ANDINI, Rina Kuswahyuning, M.Si., Ph.D., Apt

Universitas Gadjah Mada, 2017 | Diunduh dari <http://etd.repository.ugm.ac.id/>

- Wang, Yan., Zheng Xia, Jian-Rong Xu, Yan-Xia Wang, Li-Na Hou, Yu Qiu, Hong-Zhuan Chen, 2012,  $\alpha$ -Mangostin, a Polyphenolic Xanthone Derivate from Mangosteen, Attenuates  $\beta$ -Amyloid Olygomers-Induced Neurotoxicity by Inhibiting Amyloid Aggregation, Departement of Pharmacology, Institute of Medical Sciences, China. *Neuropharmacology* 62 : 871-881.
- Weecharangsan, W., Opanasopit, P., Sukma, M,M Ngawhirunpat, T., Sotonaphun, U., Siripong, P., Antioxidative and Neuroprotective Activities of Extract from The Fruit Hull of Mangosteen (*Garcinia mangostana L.*), *Med Princ Pract* 15, 281-287.
- Williams, A.C., & Barry, B.W., 2007, Chemical Permeation Enhancement in Elka Touitou & Brian w. Barry (Ed), *Enhancement in Drug Delivery*, United States of America, CRC Press, 233-248.
- Winarsi, H., 2007, *Antioksidan Alami dan Radikal Bebas*, Yogyakarta : Kanisius, Deresan.
- Witt, K., & Bucks, D., 2003, Studying In Vitro : Skin Permeation and Drug Release to Optimize Dermatological Formulations, *Pharmaceutcal Technology*, USA : Advanstar Communication.
- Yoswathhana, N., 2012, *Accelerated Extraction of Xanthones from Mangosteen Pericarp Using Ultrsonic Technique*, Departement of Chemical Engineering, Faculty of Engineering, Mahidol University, Nakhonpathom, 73170, Thailand.
- Yu, L., Zhao, M., Yang, B., Zhao, Q., & Jiang, Y., 2006, *Phenolics from Hull of Garcinia mangostana Fruit and their Antioxidant Activities*, Chinese Academy of Science, 81(6): 595-599.