

DAFTAR PUSTAKA

- Amarowick, R., Nacz, M., dan Shalhidi, F., 2000, Antioxidant Activity of Crude Tannins of Canola and Rapeseed Hulls, *JAACS*, **77**, 957-961.
- Anh, K.T.B., Bacic, A., dan Pettolino, F., 2006, Polysaccharide Composition of The Fruit Juice of *Morinda citrifolia* (Noni), *Phytochem.*, **67**, 1271–1275.
- Azizah, Zulfi, 2017, Pengaruh Kombinasi Ekstrak Buah Mengkudu (*Morinda citrifolia* L.) dan Ekstrak Kulit Manggis (*Garcinia mangostana* L.) Terhadap Jumlah Sel CD8+ dalam Sistem Imun, *Skripsi*, Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Baker, G.B, S. Dunn, dan A. Latja., 2007, Handbook of neurochemistry and molecular neurobiology: Practical neurochemistry methods, *Springer Science, New York*, vol. **6**, x + 475 hlm.
- Baratawidjaja, Karnen G., 2002, *Imunomodulator dari Tumbuhan Obat*, Fakultas Kedokteran Universitas Indonesia, Jakarta.
- Baratawidjaja, Karnen G., 2004, *Imunologi Dasar*, Edisi IX, Balai Penerbit Fakultas Kedokteran Universitas Indonesia, Jakarta.
- Bendich, A., 1993, Physiological role of antioxidant in the immune system, *Journal of Dairy Sciences*, **76**: 2789-2794.
- Budiarto, Eko, 2001, *Biostatistika untuk Kedokteran dan Kesehatan Masyarakat*, EGC, Jakarta.
- Castaner, O., Fito, M., Sabater, C.L., Poulsen, H.E., Nyssonen, K., dkk., 2011, The Effect of Olive Oil Polyfenols on Antibodies Against Oxidized LDL. A Randomized Clinical Trial, *Clinical Nutrition*, **30**, 490-493.
- Chin, Y.W., Jung, H.A., Chai, H., Keller, W.J., Kinghorn, A.D., 2008, Xantons with Quinone Reductase-inducing Activity from The Fruits of *Garcinia mangostana* (Mangosteen), *Phytochem.*, **69**, 754–758.
- Chomnawang, M.T., Surassmo, S., Nukoolkarn, V.S., Gritsanapan, W., 2007, Effect of *Garcinia mangostana* on Inflammation Caused by Propionibacterium acnes, *Fitoterapia*, **78**, 401–408.
- Corkill, G., Rapley, R., 2008, The Manipulation of Nucleic Acids: Basic Tools and Techniques in Molecular Biomethods Handbook Second Edition, Ed: Rapley, R and Walker, J.M., *Humana Press*, NJ, USA.
- Crowther, J.R., 2001, The ELISA Guidebook. *Humana Press, New Jersey*: **xi** + 407 hlm.
- Dávalos, A., Goámez, C., dan Bartolomé, B., 2004, Extending Applicability of The Oxygen Radical Absorbance Capacity (ORAC–Fluorescein) Assay, *J. Agric. Food Chemistry.*, **52**, 48–54.
- Dewi I.D.A.D.Y., Astuti K.W., dan Warditiani N.K., 2013, Skrining Fitokimia Ekstrak Etanol 95% Kulit Buah Manggis (*Garcinia mangostana* L.), *Jurnal Farmasi Udayana*.
- Ditjen POM, Depkes RI, 2000, *Parameter Standar Umum Ekstrak Tumbuhan Obat*, Departemen Kesehatan Republik Indonesia, Jakarta, 9-11,16.

- Dixon, A.R., McMillen, H., dan Etkin, N.L., 1999, Ferment This: The Transformation of Noni, a Traditional Polynesian Medicine (*Morinda citrifolia*, Rubiaceae), *Economic Botany*, **53** (1), 51–68.
- Fihiruddin, 2013, Pengaruh pemberian susu kedelai terhadap respon antibodi dan proliferasi sel limfosit pada mencit babl/c yang diinduksi vaksin hepatitis B, Politeknik Kesehatan Kemenkes Mataram, *ISSN*, (7), 1978-3787.
- Firuzi, O., Lacanna, A., Petrucci, R., Marrosu, G., Saso, L., 2005, Evaluation of The Antioxidant Activity of Flavonoids by Ferric Reducing Antioxidant Power Assay and Cyclic Voltammetry, *Biochimica et Biophysica Acta*, **1721**, 174 – 184.
- Furuzawa, E., Hirazumi, A., Story, S., Jensen, J., 2003, Antitumor Potential of a Polysaccharide-rich Substance From The Fruit Juice of *Morinda citrifolia* (Noni) on Sarcoma 180 Ascites Tumour in Mice, *Phytother. Res.*, **17**, 1158-1164.
- Gulcin, I., Uguz, M.T, Oktay, M., Beydemir, S., and Kufrevioglu, O.I., 2004, Evaluation of the antioxidant and antimicrobial activities of clay sage (*Salvia sclarea*, L.), *Turk I. Agric. For.*, **28**, 25-33.
- Haruenkit, R., Poovarodom, S., Leontowicz, H., Leontowicz, M., Sajewicz, M., dkk., 2007, Comparative Study of Health Properties and Nutritional Value of Durian, Mangosteen and Sneke Fruit: Experiments in vitro and in vivo. *J. Agric. Food Chemistry*, **55**, 5842–5849.
- Heinicke, R.M., 1985, The pharmacologically active ingredient of Noni, *Bulletin of the National Tropical Botanical Garden*, **15**, 10-14.
- Hidayah, S.N., 2015, Uji Aktivitas Kombinasi Ekstrak Buah Mengkudu (*Morinda citrifolia* L.) dan Kulit Buah Manggis (*Garcinia mangostana* L.) Studi Terhadap Antioksidan (*in vitro*) dan Proliferasi Limfosit (*in vivo*), *Skripsi*, Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Hirazumi, A., dan Furusawa, E., 1999, An Immunomodulatory Polysaccharide-Rich Substance from the Fruit Juice of *Morinda citrifolia* (Noni) with Antitumour Activity, *Phytother. Res.*, **13**, 380–387.
- José, P.C., Noemi, C.R., Marisol, O., Jazmin, M., Pérez, R., 2008, Medical Properties of Mangosteen (*Garcinia mangostana* L.), *Food and Chemical Toxicology*, **46**, 32227-3239.
- Jung, H.A., Su, B.N., Keller, W.J., Mehta, R.G., Kinghorn, D., 2006. Antioxidant Xantons From Pericarp of *Garcinia mangostana* (Mangosteen), *J. Agric. Food Chemistry*, **54**, 2077–2082.
- Kayser, O., Masihi, K.N., dan Kiderlen, F.K., 2003, Review: Natural Products and Synthetic Compounds as Immunomodulators, *Expert Rev Anti-infect Ther.*, **2**, 319-335.
- Lilian, R.B.M., Gisela, P., Neura, B., Mercadante., 2008, Free Radical Scavenging Activity of Ethanolic Extracts from Herbs and Spices Commercialized in Brazil, *Braz. arch. biol. technol.*, **51** (6), 1225-1232.
- Mardiana, L., 2011, *Ramuan dan Khasiat Kulit Manggis*, Penebar Swadaya, Jakarta.
- Masihi, K.N., 2001, Fighting Infection Using Immunomodulatory Agents, *Expert Opinion on Biological Therapy*, **4**, 641-645.

- McClatchey, W., 2002, From Polynesian Healers to Health Food Stores: Changing Perspectives of *Morinda citrifolia* (Rubiaceae), *Integral Cancer Therapies*, **1** (2), 110–120.
- Molyneuz, P., 2004, Use of DPPH to Estimate Antioxidant Activity, *J.Sci. Technol.*, **26**, 211-219.
- Moongkarndi P, Kosem N, Kaslungka S, Luanratana O, Pongpan N, Neungton N., 2004, Antiproliferation, antioxidation and induction of apoptosis by *Garcinia mangostana* (mangosteen) on SKBR3 human breast cancer cell line, *J Ethnopharmacol.*, **90**(1):161-166.
- Naczki, M., Shahidi, F, 2004, Extration and Analysis of Phenolic in Food, *Journal of Chromatography A*, **1054**:95-111.
- Nelson, S.C., 2003, *Morinda citrifolia* L. *Rubiaceae* (Rubiaceae) *Coffee Family*, Sustainable Agriculture Research and Education, University of Hawai'i, USA.
- Nelson, S.C., 2006, *Morinda citrifolia* (Noni), *Species Profiles for Pacific Island Agroforestry*, Ver. 4.
- Nugroho, A. E., 2008, Manggis (*Garcinia mangostana* L.) : Dari Kulit yang Terbuang Hingga Menjadi Kandidat Suatu Obat, Laboratorium Farmakologi dan Toksikologi, Bagian Farmakologi dan Farmasi Klinik, Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Osawa, T., dan Namiki, M., 1981, A Novel Type of Antioxidant Isolated From Leaf Wax of Eucalyptus Leaf, *Agric. Biol. Chem.*, **45**, 4478-4481.
- Palu, A.K., Kim, A.H., West, B.J., Deng, S., Jensen, J., White, L., 2008, The effects of *Morinda citrifolia* L. (noni) on the immune system: Its molecular mechanism of action, *J. Ethnopharmacol.*, **115** (3), 502-504.
- Priya, V., Malika J., Surapaneni K., Karthik B., Saraswathi P., dan Chandra S., 2010, Toxicity Study of *Garcinia Mangostana* Linn. Pericarp Extract in Rats, *Asian J. Exp. Biol. Sci.*, **1**(3):633-637.
- Puertollano, M.A., Puertollano, E., Cienfuegos, G.A., dan Pablo M.A., 2011, Dietary Antioxidants: Immunity and Host Defense, *Current Topics in Medical Chemistry*, **11**(14):1752-1766.
- Sasmito, E., Triana H., Senda K.R., Faradhyta M.P., Vania S. dan Longina N., 2015^a, Optimization of Polysaccharide-rich Fractionation from *Morinda citrifolia* L. Fruit based on Immunostimulatory Effect in vitro, *Indonesian J. Pharm.*; **26**(2):78-85.
- Sasmito, E., Triana H., Tiya Novlita R. dan Brata Jaya L., 2015^b, Polysaccharide-rich Fraction of Noni fruit (*Morinda citrifolia* L.) as Doxorubicin Co-chemoterapy: Evaluation on Catalase, Macrophage and TCD8+ Lymphocyte, *Sci Pharm*. In press. Doi:10.3797/scipharm.1410-01.
- Sjabana, D. dan Bahalwan, R.R., 2002, *Seri Referensi Herbal: Pesona Tradisional dan Ilmiah Buah mengkudu (Morinda citrifolia, L)*, Salemba Medika, Jakarta.
- Snyder, L.R., Kirkland, J.J., and Dolan, J.W, 1997, *Introduction to Modern Liquid Chromatography*, 3rd ed, Wiley and Sons, Hoboken, New Jersey, pp 253-331, 531-553.
- Solihat, C.K., 2015, Uji Aktivitas Imunomodulator Kombinasi Ekstrak Air Kering Mengkudu (*Morinda citrifolia* L.) dan Kulit Buah Manggis (*Garcinia*

- mangostana* L.) Terhadap Aktivitas Fagositosis Makrofag (*in vivo*), *Skripsi*, Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Subowo, 2009, *Imunologi Klinik*, Penerbit Angkasa, Bandung.
- Supiyanti, W., Wulansari, Endang D., dan Kusmita, Lia, 2010, Uji Aktivitas Antioksidan dan Penentuan Kandungan Antosianin Total Kulit Buah Manggis (*Garcinia mangostana* L.), *Majalah Obat Tradisional*, 15 (2).
- Syamsuhidayat, S.S. dan Hutapea, J.R., 1991, *Inventaris Tanaman Obat Indonesia*, Departemen Kesehatan RI, Jakarta.
- Tang, C., 1991, Phenolic Compounds in Food, *American Chemical Society*, Washington DC.
- Taskin, E.I., Akgun-Dar, K., Kapucu, A., Osapc E., Dogruman, H., Eraltan, H., Ulukaya, E., 2009, Apoptosis-inducing effects of *Morinda citrifolia* L. And doxorubicin on the Ehrlich ascites tumor in Balb-c mice, *Cell Biochem, Funct.* 27 (8), 542-546, <http://dx.doi.org/10.1002/cbf.1604>.
- Thaipong, K., Boonprakob, U., Crosby, K., Cisneros-Zevallos, L., Byrne, d. H., 2006, Comparison of ABTS, DPPH, FRAP, and ORAC Assays for Estimating Antioxidant Activity from Guava Fruit Extracts, *Journal of Food Composition and Analysis*, 19, 669–675.
- Waha, M.G, 2002, *Sehat dengan Mengkudu*, (editor Listiyani Wijayanti), PT Mitra Sitta Keleh, Jakarta.
- Weecharansan, W., Opanasopit, P., Sukma, M., Ngawhirunpat, T., Sotanaphun, U., Siripong, P., 2006, Antioxidative and Neuroprotective Activities of Extracts from The Fruit Hull of Mangosteen (*Garcinia mangostana* Linn.), *Med. Princ. Pract.*, 15, 281–287.
- Wibowo, N. W., 2015, Uji Toksisitas Akut (LD₅₀) Infusa Buah Mengkudu Kering (*Morinda citrifolia* Linn.) Pada Mencit Jantan Secara Intraperitoneal, <http://digilib.ubaya.ac.id/pustaka.php/151260>, diakses pada tanggal 9 April 2017 pukul 09.10 WIB.
- Widianto B Matildha, 1987, *Immunomodulator*, Jurusan Farmasi: Institute Teknologi Bandung, *Majalah Cermin Dunia Kedokteran*: Halaman 44-46.
- Wijayakusuma, H., dan Dalimartha, S., 1995, *Ramuan Tradisional Untuk Pengobatan Darah Tinggi*, Penebar Swadaya, Jakarta.
- Winarsi, Hery, 2005, Isoflavon, *UGM Press*, Yogyakarta.
- Winarti, Christina, 2005, Peluang Pengembangan Minuman Fungsional dari Buah Mengkudu (*Morinda citrifolia* L.), *Jurnal Litbang Pertanian*, 24(4), hal 149-153, FKUI:1857.
- Wojdyło, A., Oszmian ´ski, J., dan Czemerys, R., 2007, Antioxidant Activity and Phenolic Compounds in 32 Selected Herbs, *Food Chemistry*, 105, 940–949.
- Yanine Chan-Blanco, Fabrice, V., Ana, M.P., Max, R., Jean, M., Pierre, B., 2006, The Noni Fruit (*Morinda citrifolia* L.): A Review of Agricultural Research, Nutritional and Therapeutic Properties, *Journal of Food Composition and Analysis*, 19, 645-654.
- Yu, L., M. Zhao, B. Yang, Q. Zhao, Y. Jiang, 2009, Phenolic from hull of *Garcinia mangostana* fruit and their antioxidant activities, *Food Chemistry*, 104, 176-181.

- Zhang X.Y., Li W.G., Wu Y.J. dan Gao M.T., 2005, Amelioration of Doxorubicin-Induced Myocardial Oxidative Stress and Immunosuppression by Grape Seed Proanthocyanidins in Tumour-Bearing Mice, *J Pharm Pharmacol*, Aug;**57**(8):1043-52.
- Zhuohong Xie, Marsha Sintara, Tony Chang, and Boxin Ou, 2015, Daily consumption of a mangosteen-based drink improves in vivo antioxidant and anti-inflammatory biomarkers in healthy adults: a randomized, double-blind, placebo-controlled clinical trial, *Food Science dan Nutrition*, **3**(4), 342-348.