DAFTAR PUSTAKA

Allen, L. V., 2002. *The Art Science and Technology of Pharmaceutical Compounding*, 2nd Edition, p. 301, American Pharmaceutical Association, Washington D. C.

Anonim, 2013, *Table of Critical Value for Pearson's r*, https://www.radford.edu/~jaspelme/statsbook/Chapter%20files/Table_of_Critical_Values_for_r.pdf, diakses pada tanggal 25 Februari 2019.

Anonim[a], 2018, "Thin Layer Chromatography", *Chemistry LibreTexts*, https://chem.libretexts.org/Ancillary_Materials/Demos%2C_Techniques%2C_and_Experiments/General_Lab_Techniques/Thin_Layer_Chromatography, diakses pada tanggal 18 Desember 2018.

Anonim[b], 2018, *TLC Plate Selection Guide*, https://www.sigmaaldrich.com/technical-documents/articles/analytical/purification/tlc-plate-selection.html, diakses pada tanggal 19 Desember 2018.

Anonim, 2019, *STEYX (Fungsi STEYX)*, https://support.office.com/id-id/article/steyx-fungsi-steyx-6ce74b2c-449d-4a6e-b9ac-f9cef5ba48ab, diakses pada tanggal 17 Juni 2019.

Association of Analytical Communities, 2002, *AOAC Guidelines for Single Laboratory Validation of Chemical Methods for Dietary Supplements and Botanicals*, https://www.aoac.org/aoac_prod_imis/AOAC_Docs/StandardsDevelopment/SLV_Guidelines_Dietary_Supplements.pdf, diakses pada tanggal 11 November 2018.

Bryn Mawr Communications, 2018, "The Franz Cell Chamber", *BMC*, http://bmctoday.net/vehiclesmatter/pdfs/thefranzcellchamber.pdf, diakses pada tanggal 14 November 2018.

CAMAG[a], 2018, "Camag Linomat 5", *CAMAG: 60 Years*, https://www.camag.com/en/tlc_hptlc/products/sample_application/linomat_5.cfm, diakses pada tanggal 14 November 2018.

CAMAG[b], 2018, "Camag TLC Scanner 4", *CAMAG: 60 Years*, https://www.camag.com/en/tlc_hptlc/products/evaluation_documentation_

tlc-ms_bioluminenscence/tlc_scanner_4.cfm, diakses pada tanggal 14 November 2018.

Chen, L. G., Yang, L. L., dan Wang, C. C., 2008, "Anti-inflammatory activity of mangostin from *Garcinia mangostana*", *Food and Chemical Toxicology*, 46(2): 688-693.

Christyaningrum, E. V., 2018, "Evaluasi Penambahan Eukaliptol, Limonen, dan Linalool dalam Gel Ekstrak Kulit Buah Manggis (*Garcinia mangostana* L.) terhadap In Vitro Transpor Melewati Membran Kulit Tikus", *Skripsi*, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.

Cui, J., Hu, W., Cai, Z., Liu, Y., Li, S., Tao, W., dan Xiang, H., 2010, "New medical properties of mangostins; Analgesic activity and pharmacological characterization of active ingredients from the fruit hull of *Garcinia mangostana* L.", *Pharmacology Biochemistry and Behavior*, 95(2): 166-172.

Draelos, Z. D., dan Thaman, L. A., 2006, *Cosmetic Formulation of Skin Care Products*, p. 167, Taylor & Francis Group, New York.

Fang, L., Liu, Y., Zhuang, H., Liu, W., Wang, X., dan Huang, L., 2011, "Combined microwave-assisted extraction and high-speed counter-current chromatography for separation and purification of xanthones from *Garcinia mangostana*", *Journal of Chromatography B*, 879: 3023-3027.

Gandjar, I. G., dan Rohman, A., 2007, *Kimia Farmasi Analisis*, p. 367, Pustaka Pelajar, Yogyakarta.

Gocan, S., 2002, "Stationary Phases for Thin-Layer Chromatography", *Journal of Chromatographic Science*, 40: 1-12.

Gonzalez, A. G., dan Herrador, M. A., 2007, " A practical guide to analytical method validation, including measurement uncertainty and accuracy profiles", *Trends in Analytical Chemistry*, 26(3): 227-238.

Guo, M., Wang, X., Lu, X., Wang, H., dan Brodelius, P. E., 2016, "α-Mangostin Extraction from the Native Mangosteen (*Garcinia mangostana* L.) and the Binding Mechanism of α-Mangostin to HSA or TRF", *PLoS ONE*, 11(9): e0161566.

Harmita, 2004, "Petunjuk Pelaksanaan Validasi Metode dan Cara Perhitungannya", *Majalah Ilmu Kefarmasian*, 1(3): 117-135.

International Council on Harmonisation, 2005, "Validation of Analytical Procedures: Text and Methodology Q2(R1)". *International Conference on Harmonisation*, ICH Harmonised Tripartite Guideline, Geneva.

Isabella, E., dan Pohan, T., 2013, "Formulation of Oil-in-Water Cream from Mangosteen (*Garcinia mangostana* L.) Pericarp Extract Preserved by Gamma Irradiation", *Atom Indonesia,* 39(3): 136-144.

Jung, H. A., Su, B. N., Keller, W. J., Mehta, R. G., dan Kinghorn, A. D., 2006, "Antioxidant Xanthones from the Pericarp of *Garcinia mangostana* (Mangosteen)", *Journal of Agricultural and Food Chemistry*, 54: 2077-2082.

Kealey, D., dan Haines, P. J., 2002, *Instant Notes: Analytical Chemistry*, p. 131-135, Bios Scientific Publishers Limited, Oxford, USA.

Lieberman, H. A., Rieger, M. M., dan Banker, G. S., 1996, *Pharmaceutical Dosage Forms: Dispers System*, 2nd Edition, Volume II, p. 400-401, Mariel Dekker Inc., New York.

Misra, H., Dwivedi, B. K., Mehta, D., Mehta, B. K., dan Jain, D. C., 2009, "Development and Validation of High Performance Thin-Layer Chromatographic Method for Determination of Alpha-Mangostin in Fruit Pericarp of Mangosteen Plant (*Garcinia mangostana* L.) using Ultraviolet - Visible Detection", *Records of Natural Products*, 3(4): 178-186.

Muchtaridi, Puteri, N. A., Milanda, T., dan Musfiroh, I., 2017, "Validation Analysis Method of α-Mangostin, γ-Mangostin and Gartanin Mixture in Mangosteen (*Garcinia mangostana* L.) Fruit Rind Extract from West Java with HPLC", *Journal of Applied Pharmaceutical Science*, 7(10): 125-130.

Mutharasan, R., Magee, W., Wheatley, M., dan Lee, Y., 2000, "Modeling of the Release Kinetics of the Devices", *Engineering Biotechnology: A Gateway Coalition Project*, http://www.gatewaycoalition.org/files/hidden/front.htm, diakses pada tanggal 5 Desember 2018.

Ofner, C. M., dan Klech-Gelotte, C. M., 2007, *Encyclopedia of Pharmaceutical Technology*, p. 1882-1884, Informa Healthcare Inc., USA.

Particle Sciences, 2009, "Development and Validation of In Vitro Release Testing Methods for Semisolid Formulation", *Technical Brief*, volume 10, https://www.particlesciences.com/news/technical-briefs/2009/in-vitro-release-testing-methods.html, diakses pada tanggal 11 November 2018.

Pedraza-Chaverri, J., Cardenas-Rodriguez, N., Orozco-Ibarra, M., dan Perez-Rojas, J. M., 2008, "Medicinal properties of mangosteen (*Garcinia mangostana*), *Food and Chemical Toxicology*, 46: 3227-3239.

PermeGear, 2018, "Side-Bi-Side Cells", *PermeGear*, http://permegear.com/side-bi-side-cells/, diakses pada tanggal 5 Desember 2018.

Pierce, S. C., 2003, *A Thai Herbal*, p. 118, Findhorn Press, Scotland, UK.

Pratiwi, L., Fudholi, A., Martien, R., dan Pramono, S., 2017, "Development of TLC and HPTLC Method for Determination α-Mangostin in Mangosteen Peels (*Garcinia mangostana* L.,)", *International Journal of Pharmacognosy and Phytochemical Research* , 9(3): 297-302.

Randolph, K. A., dan Myers, L. L., 2013, *Basic Statistics in Multivariate Analysis*, Oxford University Press, New York, USA.

Riyanto, 2015, *Validasi & Verifikasi Metode Uji: Sesuai dengan ISO/IEC 17025 Laboratorium Pengujian dan Kalibrasi*, p. 20-21, Deepublish, Yogyakarta.

Rohman, A., 2014, *Validasi dan Penjaminan Mutu Metode Analisis Kimia*, p. 95-107, Gadjah Mada University Press, Yogyakarta.

Rowe, C. S., Sheskey, P. J., dan Quinn, M. E., 2009, *Handbook of Pharmaceutical Excipients, Sixth Edition*, p. 253-255, Pharmaceutical Press and American Pharmacists Association, USA.

Rubiyanti, M. K., 2018, "Evaluasi Penambahan 3% dan 5% Nerolidol, Eukaliptol, dan Linalool ke dalam Gel Ekstrak Kulit Buah Manggis (*Garcinia mangostana* L.) terhadap Transpor In Vitro melalui Membran Tikus", *Skripsi*, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.

Seo, J. E., Kim, S., dan Kim, B. H., 2017, "In vitro skin absorption tests of three types of parabens using a Franz diffusion cell", *Journal of Exposure Science and Environmental Epidemiology*, 27: 320-325.

Spangenberg, B., Poole, C. F., dan Weins, C., 2011, *Quantitative Thin-Layer Chromatography: A Practical Survey*, p. 22-23, Springer-Verlag, Berlin.

Takeuchi, H., Mano, Y., Terasaka, S., Sakurai, T., Furuya, A., Urano, H., dan Sugibayachi, K., 2011, "Usefulness of Rat Skin as a Substitute for Human Skin in the in Vitro Skin Permeation Study", *Experimental Animals*, 60(4): 373-384.

Veeramachaneni, M., dan Jayavarapu, K. R., 2013, "Development and validation of new ICP-OES Analytical Technique to quantify the contents of Copper, Magnesium & Zinc in "Escitalopram Oxalate"", *Journal of Advanced Pharmacy Education & Research*, 3(4): 516-523.

Wiradhika, R. Y., dan Sugihartini, N., 2017, "Formulasi Gel dengan Variasi Konsentrasi Ekstrak Etanol Kulit Buah Manggis (*Garcinia mangostana* L.) sebagai Obat Luka Bakar pada Tikus Wistar", *Jurnal Kedokteran dan Kesehatan Indonesia*, 8(2): 110-117.

Wittenauer, J., Falk, S., Schweiggert-Weisz, U., dan Carle, R., 2012, "Characterisation and quantification of xanthones from the aril and pericarp of mangosteens (*Garcinia mangostana* L.) and a mangosteen containing functional beverage by HPLC-DAD-MS", *Food Chemistry*, 134: 452-455 cit. Suttirak, W., dan Manurakchinakorn, S., 2014, "In vitro antioxidant properties of mangosteen peel extract", *Journal of Food Science and Technology*, 51(12): 3546-3558.

Yuniawati, E., 2018, "Evaluasi Penambahan Nerolidol dan *Camphor* dalam Gel Ekstrak Kulit Buah Manggis (*Garcinia mangostana* L.) terhadap In Vitro Transpor Melewati Membran Kulit Tikus", *Skripsi*, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.