DAFTAR PUSTAKA

Agoes, G., 2012, *Sediaan Farmasi Likuida-Semisolida*, Institute Teknologi Bandung, Bandung, 154-155.

Akhtar, N., Mahmood, T., Khan, B. A., Khan, H. M. S., dan Saeed, T., 2011. Depigmenting and anti erythematic effects of 3% green tea emulsion. *HealthMed*, **5**(**5**), 1165–1169.

An, B.-J., Kwak, J.-H., Son, J.-H., Park, J.-M., Lee, J.-Y., Park, T. S., dkk., 2005. Physiological Activity of Irradiated Green Tea Polyphenol on the Human Skin. *Am. J. Chin. Med.*, **33**(**4**), 535–546.

Anief, M., 2000, *Ilmu Meracik Obat, Teori dan Praktek*, Gadjah Mada University Press, Yogyakarta, 168-169

Armstrong and James, K., 1996, *Pharmaceutical Experimental Design and Interpretation*, Taylor & Francis, London, UK.

Baron, E.J., 2001. Rapid identification of bacteria and yeast: summary of a National Committee for Clinical Laboratory Standards proposed guideline. *Clinical Infectious Diseases: An Official Publication of the Infectious Diseases Society of America*, **33**: 220–225.

Bashir, S., B.M. Khan, M. Babar, S. Andleeb, M. Hafeez, S. Ali and M.F. Khan, 2014. Assessment of bioautography and spot screening of TLC of green tea (*Camellia Sinensis* L.) plant extracts as antibacterial and antioxidant agents. *Indian J. Pharmaceut. Sci*., **76**: 364-370.

Bek-Thomsen, M., Lomholt, H. B., dan Kilian, M., 2008. Acne is Not Associated with Yet-Uncultured Bacteria. *J. Clin. Microbiol.*, **46**(**10**), 3355–3360.

Bianchi, A., Marchetti, N., dan Scalia, S., 2011. Photodegradation of (-)-epigallocatechin-3-gallate in topical cream formulations and its photostabilization. *J. Pharm. Biomed. Anal.*, **56**(**4**), 692–697.

Bing-Hui Li, Zhang, R., Ya-Tao Du, Ying-Hui Sun, dan Wei-Xi Tian., 2006. Inactivation mechanism of the β-ketoacyl-[acyl carrier protein] reductase of bacterial type-II fatty acid synthase by epigallocatechin gallate. *Biochem. Cell Biol.*, **84**(**5**), 755–762.

Bolton, 1986, Statistical Application in The Pharmaceutical Sciences in Lachman, L., Lieberman, H.A and Kanig, J.L., (Eds), *The Theory and Practice of Industrial Pharmacy*, 3rd edition, Lea and Febiger, Philadelphia, 283-285.

Braicu, C., Pilecki, V., Balacescu, O., Irimie, A., dan Neagoe, I. B., 2011. The Relationships Between Biological Activities and Structure of Flavan-3-Ols. *Int. J. Mol. Sci.*, **12**(**12**), 9342–9353.

Brooks, G.F., Jawetz, E., Melnick, J.L., dan Adelberg, E.A., 2010. *Jawetz, Melnick, & Adelberg's Medical Microbiology*. McGraw Hill Medical, New York.

Butt, M.S., and Sultan, M.T., 2009, Green tea:Nature's defense against Malignancies, *Critical rev food, sci and nutrition*, 49(5), 463-473

CAS, 2014, Struktur kimia Span 80, http://www.chemnet.com/cas/id/1338-43-8/Span-80.html (diakses13 juni 2014)

Chanana, G.D. dan Sheth, B.B., 1995. Particle size reduction of emulsions by formulation design-II: Effect of oil and surfactant concentration. *PDA J of Pharm Sci and Tech*, **49**: 71–76.

Champat, P.S., Bakliwal, S.R., Rane, B.R., Gujarathi, N.A., dan Pawar, S.P., 2013. A Short Review on Novel Approch of Cream. *Pharm Sci Monitor*, **4**: 470–495.

Chen, Z., Zhu Q., Wong Y., Zhang Z., and Chung H., 1998. Stabilizing effect of ascorbic acid on green tea cathechins. *J of Agricultural Food Chem*, **46**: 2512-2516

Chunjian Zhao, Shuaihua Liu, Chunying Li, Lei Yang, dan Yuangang Zu., 2014. In Vitro Evaluation of the Antiviral Activity of the Synthetic Epigallocatechin Gallate Analog-Epigallocatechin Gallate (EGCG) Palmitate against Porcine Reproductive and Respiratory Syndrome Virus. *Viruses 1999-4915*, **6**(**2**), 938–950.

Departemen Kesehatan Republik Indonesia , 1995, *Farmakope Indonesia*, Edisi IV, Departemen Kesehatan Republik Indonesia, Jakarta.

Dhillon, K. S., Varshey, K.R., 2013. Study of Microbiological Spectrum in Acne Vulgaris. *Scholars J of Applied Med Sci*., **1(6)**, 724–727.

Dreno, B., Blouin, E., Moyse, D., Bodokh, I., Knol, A. C., dan Khammari, A., 2014. Acne in Pregnant Women: A French Survey. *Acta Derm. Venereol.*, **94**(**1**), 82–83.

Ermer, J., dan Miller, H.M., 2005, *Method Validation in Pharmaceutical Analysis. A Guide To Best Practice*. WILEY-VCH Verlag GmBH & Co.KGaA, Weinheim, www.pharmaresearchlibrary.com (Diakses 14 juni 2014)

Farran, C. A. E. L., Sekar, A., Balakrishnan, A., Shanmugam, S., Arumugam, P., dan Gopalswamy, J., 2013. Prevalence of biofi lm-producing Staphylococcus epidermidis in the healthy skin of individuals in Tamil Nadu, India. *Indian J. Med. Microbiol.*, **31**(**1**), 19–23.

Friedman, M., Levin, C. E., Lee, S.-U., dan Kozukue, N., 2009. Stability of Green Tea Catechins in Commercial Tea Leaves during Storage for 6 Months. *J. Food Sci.*, **74**(**2**), H47–H51.

Fangueiro, J.F., Parra, A., Silva, A.M., Egea, M.A., Souto, E.B., Garcia, M.L., Calpena, A.C., 2014. Validation of a high performance liquid chromatography method for the stabilization of epigallocatechin gallate. *Int. J. Pharm*., **475(1-2)**

Garg, A., Aggarwal, D., Garg, S., and Sigla, A.K., 2002. Spreading of semisolid formulation: An Update, Pharmaceutical Technology. H84-H102. www.pharmtech.com (Diakses 20 Oktober 2013)

Gaspari, A., dan Tyring, S. K., 2008. *Clinical and Basic Immunodermatology*. Springer.

Gillen, A., 2009. Pre-Fall World, Normal Flora, and Characteristics of Human Skin, https://microbiologyglossary.wikispaces.com/Staphylococcus+epidermis (Diakses 19 Februari 2016)

Gupta, D.A., Bhaskar, D.J., Gupta, R.K., Karim, B., Jain, A., Dalai, D.R. 2014. Green tea: a review on its natural antioxidant therapy and cariostatic benefits. *Biol Sci Pharm Res*. 2, 8-12.

Hirun, S., dan Roach, P. D., 2011. An improved solvent extraction method for the analysis of catechins and caffeine in green tea. *J. Food Nutr. Res.*, **50**(**3**), 160–166.

W Horwitz., L R Kamps., KW Boyer., 1980. Quality assurance in the analysis of foods and trace constituents, *J. Assoc Off Anal Chem*, 63(6), 1344-54

IAA, 2009, Acne in pregnancy, *Indian J. Dermatol. Venereol. Leprol.*, **75**, S59–S59.

Irsan, Marianti A., Manggau., Ermina Pakki., dan Usmar., 2013. Uji Iritasi Krim Antioksidan Ekstrak Biji Lengkeng (*Euphoria longana Stend*) Pada Kulit Kelinci (*Oryctolagus cuniculus*). *Majalah Farmasi dan Farmakologi*, 17(2), 55

Jawetz., Melnick., dan Adelberg's., 2010. Mikrobiologi Kedokteran. Salemba Medika. Jakarta.

Jiang, S. J., Hwang, S. M., Choi, E. H., Elias, P. M., Ahn, S. K., dan Lee, S. H., 2000. Structural and Functional Effects of Oleic Acid and Iontophoresis on Hairless Mouse Stratum Corneum. *J. Invest. Dermatol.*, **114**(**1**), 64–70.

Jigisha, A., Nishant, R., Navin, K., Pankaj, G.(2012).Green tea: a magical herb with miraculous outcomes. *Internat Res J Pharm*.3, 139-148.

Kementrian Kesehatan., 2011. *Farmakope Herbal Indonesia Edisi I,* Direktorat Jenderal Bina Kefarmasian dan Alat Kesehatan, Jakarta, Indonesia., 89-90.

Kee, J.L., and Hayes, E. R., 1996. *Farmakologi*. Penerbit buku kedokteran EGC.

Kubba, R., Bajaj, A. K., Thappa, D. M., Sharma, R., Vedamurthy, M., Dhar, S., dkk., 2009. Acne in India: guidelines for management - IAA consensus document. *Indian J. Dermatol. Venereol. Leprol.*, **75 Suppl 1**, 1–62.

Kosińska, A., Xie, Y., Diering, S., Héritier, J., dan Andlauer, W., 2012. Stability of Phenolic Compounds Isolated from Cocoa, Green Tea and Strawberries in Hank's Balanced Salt Solution under Cell Culture Conditions. *Pol. J. Food Nutr. Sci.*, **62**(**2**), 91–96.

Lestari, A., Trisusilawati, M., 2010, Pengaruh asam fumarat-natrium bikarbonat terhadap kualitas granul effervescent teh hijau secara granulasi kering. *Majalah Farmasi Indonesia.*, **21(4)**, 231-237.

Leyden, J. J., Preston, N., Osborn, C., dan Gottschalk, R. W., 2011. In-vivo Effectiveness of Adapalene 0.1%/Benzoyl Peroxide 2.5% Gel on Antibiotic-sensitive and Resistant Propionibacterium acnes. *J. Clin. Aesthetic Dermatol.*, **4**(**5**), 22–26.

Marina, A.M., Che Man, Y.B., dan Amin, I., 2009. Virgin coconut oil: emerging functional food oil. *Trends in Food Sci and Tech*, **20**: 481–487.

Mahmood, T., Akhtar, N., Khan, B. A., Khan, H. M. S., dan Saeed, T., 2010. Outcomes of 3% green tea emulsion on skin sebum production in male volunteers. Bosn. J. Basic Med. Sci. Udruženje Basičnih Med. Znan. *Assoc. Basic Med. Sci.*, 10(3), 260–264.

Mahmood, T., Akhtar, N., dan Moldovan, C., 2013. A comparison of the effects of topical green tea and lotus on facial sebum control in healthy humans. *Hippokratia*, 17(1), 64–67.

Mahmood, T., Akhtar, N., dan Manickam, S., 2014. Interfacial film stabilized W/O/W nano multiple emulsions loaded with green tea and lotus extracts: systematic characterization of physicochemical properties and shelf-storage stability. *J of Nanobiotech*, **12**: 1–17.

Martono, Y., Martono, S., 2012, Analisis Kromatografi Cair Kinerja Tinggi Untuk Penetapan Kadar Asam Galat, Kafein Dan Epigalokatekin Galat Pada Beberapa Produk Teh Celup. *Agritech*. Vol 32. No.4

Melani, D.H., Purwanti, T., dan Soeratri, W., 2005. Korelasi kadar propilenglikol dalam basis dan pelepasan dietilammonium diklofenak dari basis gel carbopol ETD 2020, *Majalah farmasi airlangga*, 5(1), 1-6

Mizooku, Y.M., Tsuneyoshi, T., Arakawa, R., 2003. Analysis of oxidized epigallocatechin gallate by liquid chromatography/mass spectrometry. *Rapid commun Mass spectrom.*, **17**: 1915–1918.

Mostafa, U. E.-S., 2014. Effect of Green Tea and Green Tea Rich with Catechin on Blood Glucose Levels, Serum Lipid Profile and Liver and Kidney Functions in Diabetic Rats. Jordan J. *Biol*. *Sci*., 7(1), 7–12.

Moghimipour, E., Salimi, A., dan Eftekhari, S., 2013. Design and characterization of microemulsion systems for naproxen. *Advanced Pharm Bulletin*, **3**: 63–71.

Muehlbach, M., Brummer, R., dan Eggers, R., 2006. Study on the transferability of the time temperature superposition principle to emulsions. *Int. J. Cosmet. Sci*., 28(2), 109–116.

Nagle, D. G., Ferreira, D., dan Zhou, Y.-D., 2006. Epigallocatechin-3-gallate (EGCG): Chemical and biomedical perspectives. *Phytochemistry*, 67(17), 1849–1855.

Niyomkam, P., Kaewbumrung, S., Kaewnpparat, S., dan Panichayupakaranant, P., 2010. Antibacterial activity of Thai herbal extracts on acne involved microorganism. *Pharm*. *Biol*., 48(4), 375–380.

Osterburg, A., Gardner, J., Hyon, S. H., Neely, A., dan Babcock, G., 2009. Highly antibiotic-resistant Acinetobacter baumannii clinical isolates are killed by the green tea polyphenol (–)-epigallocatechin-3-gallate (EGCG). *Clin*. *Microbiol*. *Infect*., 15(4), 341–346.

Pavlovsky, L., Sturtevant, R. A., Younger, J. G., dan Solomon, M. J., 2015. Effects of Temperature on the Morphological, Polymeric, and Mechanical Properties of Staphylococcus epidermidis Bacterial Biofilms. Langmuir *ACS J. Surf. Colloids.*

Prayong, P., Weerapreeyakula, N., dan Sripanidkulchaia, B., 2007. Validation of Isocratic Eluting and Stepwise Flow Rate Gradient for HPLC Determination of Catechins, Gallic Acid and Caffeine in Tea, *Science Asia* 33: 113-117.

Poli, F., Dreno, B., dan Verschoore, M., 2001. An epidemiological study of acne in female adults: results of a survey conducted in France. *J. Eur. Acad. Dermatol*. Venereol., 15(6), 541–545.

Poindexter, M.K., Chuai, S., Marble, R.A., dan Marsh, S.C., 2003. 'Classifying Crude Oil Emulsions Using Chemical Demulsifiers and Statistical Analyses'. Society of Petroleum Engineers: image of reference

Reygaert, W. C., 2014. The antimicrobial possibilities of green tea. *Front. Microbiol*., 5, 1–14.

Rivera, C., Rodríguez, R., 2014. *Horwitz equation as quality benchmark in ISO/IEC 17025 testing laboratory*, www.bii.mx (Diakses 5 Februari 2016)

Rowe, R., Sheskey, P., and Owen, S., 2006. *Handbook of Pharmaceutical Exipients*, Pharmaceutical Press, London, UK.

Row, K. H., dan Jin, Y., 2006. Recovery of catechin compounds from Korean tea by solvent extraction. *Bioresour. Technol*., 97(5), 790–793.

Saito, S.T., Welzel, A., Suyenaga, E.S., dan Bueno, F. (2006). A Method for Fast Determination of Epigallocatechin gallate (EGCG), epicatechin (EC), catechin (C) and caffeine (CAF) in green tea using HPLC. *Ciênc. Tecnol. Aliment., Campinas* 26: 394-400.

Schneider G., 1980, *Arzneidrogen* B.I.Wissenschaftsverlag, Hal 175

Sheraz, M.A., Khan, M.F., Ahmed, S., Kazi, S.H., Khattak, S.R., dan Ahmad, I., 2014. Factors affecting formulation characteristics and stability of ascorbic acid in water-in-oil creams. *Int J. of Cosmetic Science*, **36**: 494–504.

Shen, Y., Wang, T., Zhou, C., Wang, X., Ding, X., Tian, S., 2012. Prevalence of Acne Vulgaris in Chinese Adolescents and Adults: A Community-based Study of 17,345 Subjects in Six Cities. *Acta Dermato-Venereologica*, **92**: 40–44.

Steinmann, J., Buer, J., Pietschmann, T., Steinmann, E.(2013).Anti-infective properties of epigallocatechin-3-gallate (ECGC), a component of green tea. Br *J Pharmacol*.168,1059-1073

Stratton, S. P., Bangert, J. L., Alberts, D. S., dan Dorr, R. T., 2000. Dermal toxicity of topical (-)epigallocatechin-3-gallate in BALB/c and SKH1 mice. *Cancer Lett*., 158(1), 47–52.

Subramani, C., Natesh, R.K.(2013).Molecular mechanisms and biological implications of green tea polyphenol, (-)-epigallocatechin -3-gallate. *Int J Pharma Biosci* Tech.1,54-63.

Sugihartini, N., 2013, Optimasi Komposisi Enhancer dan Emulgator pada Formulasi Krim Fraksi Etil Asetat Ekstrak Teh Hijau (Camelia sinensis L) Sebagai Sediaan Topikal Anti Inflamasi, *Disertasi*, Universitas Gadjah Mada, Yogyakarta

Sugihartini, N., Fudholi, A., Pramono, S., Sismindari, 2014, Validasi Metode Analisa Penetapan Kadar Epigalokatekin Galat Dengan Kromatografi Cair Kinerja Tinggi, *Pharmaciana*, **4(2)**, 111-115

Sudarshan, S., and Shasikant, D., 2011, Physical Characteristics of Three Component Creams Containing Span (60,80) as Surfactants, *Derm. Pharmacia Sinica*, **2(5)**, 81-87

Swarbrick, J., and Boylan, J., 2002, *Encyclopedia of Pharmaceutical Technology*, volume 3, Marcel Dekker Inc., New York, USA.

Syed, H.K., Peh, K.K., 2014. Identification of phases of various oil, surfactant/co-surfactants and water system by ternary phase diagram. *Acta poloniae pharmaceutica-drug research.*, **71(2)**, 301–309.

Turkmen Erol, N., Sari, F., Calikoglu, E., dan Velloglu, Y. S., 2009. *Green and roasted mate: phenolic profile and antioxidant activity*., 33(4), 353–362.

Viyoch, J., Pisutthanan, N., Faikreua, A., Nupangta, K., Wangtorpol, K., dan Ngokkuen, J., 2006. Evaluation of in vitro antimicrobial activity of Thai basil oils and their micro-emulsion formulas against Propionibacterium acnes. *Int. J. Cosmet. Sci*., 28(2), 125–133.

Wasitaatmadja SM, 1997, *Penuntun Ilmu Kosmetik Medik*, Jakarta : UI PressBrooks, G.F., Jawetz, E., Melnick, J.L., dan Adelberg, E.A., 2010. Jawetz, Melnick, & Adelberg's Medical Microbiology. McGraw Hill Medical, New York.

Widyaningrum, N., Murrukmihadi, M., dan Ekawati, S.K., 2012. Pengaruh Konsentrasi Ekstrak Etanolik Daun Teh Hijau (Camellia sinesis L.) dalam Sediaan Krim terhadap Sifat Fisik dan Aktivitas Antibakteri. Jurnal Sains Medika, 4: 147–156.

WHO, Simple/Rapid tests, *WHO*. URL: http://www.who.int/diagnostics_laboratory/faq/simple_rapid_tests/en/ (diakses 16 April 2015).

Yoon, J. Y., Kwon, H. H., Min, S. U., Thiboutot, D. M., dan Suh, D. H., 2013. Epigallocatechin-3-gallate improves acne in humans by modulating intracellular molecular targets and inhibiting P. acnes. *J. Invest. Dermatol.*, **133**(**2**), 429–440.

Zimmermann, B.F. dan Gleichenhagen, M., 2011. The effect of ascorbic acid, citric acid and low pH on the extraction of green tea: How to get most out of it. *Food Chem*, **124**: 1543–1548.