

## DAFTAR PUSTAKA

- Agero, A.L.C. dan Verallo-Rowell, V.M., 2004. A randomized double-blind controlled trial comparing extra virgin coconut oil with mineral oil as a moisturizer for mild to moderate xerosis. *Dermatitis: Contact, Atopic, Occupational, Drug*, **15**: 109–116.
- Alarcon-Aguilar, F.J., Zamilpa, A., Perez-Garcia, M.D., Almanza-Perez, J.C., Romero-Nuñez, E., Campos-Sepulveda, E.A., dkk., 2007. Effect of *H. sabdariffa* on obesity in MSG mice. *Journal of Ethnopharmacology*, **114**: 66–71.
- Al-Hashimi, A.G., 2012. Antioxidant and antibacterial activities of *H. sabdariffa* L. extracts. *African Journal of Food Science*, **6**: 506–511.
- Anokwuru, C.P., Ujeoma, E., Ajbaye, O., dan Adesuyi, A.O., 2011. Polyphenolic Content and Antioxidant Activity of *H. sabdariffa* Calyx. *Research Journal of Medicinal Plant*, **5**: 557–566.
- Anonim, 1989. 'prelude — Royal Museum for Central Africa - Tervuren - Belgium', *Prelude Medicinal Plants Database*. URL: [http://www.africamuseum.be/collections/external/prelude/view\\_plant?pi=06870](http://www.africamuseum.be/collections/external/prelude/view_plant?pi=06870) (diakses tanggal 13/8/2015).
- Ariviani, S., Raharjo, S., Anggrahini, S., dan Naruki, S., 2015. Formulasi dan Stabilitas Mikroemulsi O/W dengan Metode Emulsifikasi Spontan Menggunakan Vco dan Minyak Sawit Sebagai Fase Minyak: Pengaruh Rasio Surfaktan-Minyak. *Agritech*, **35**: .
- Athanassiadis, B., Abbott, P.V., dan Walsh, L.J., 2007. The use of calcium hydroxide, antibiotics and biocides as antimicrobial medicaments in endodontics. *Australian Dental Journal*, **52**: S64–82.
- Azeem, A., Rizwan, M., Ahmad, F.J., Iqbal, Z., Khar, R.K., Aqil, M., dkk., 2009. Nanoemulsion Components Screening and Selection: a Technical Note. *AAPS PharmSciTech*, **10**: 69–76.
- Beltrán-Debón, R., Alonso-Villaverde, C., Aragonès, G., Rodríguez-Medina, I., Rull, A., Micol, V., dkk., 2010. The aqueous extract of *Hibiscus sabdariffa* calices modulates the production of monocyte chemoattractant protein-1 in humans. *Phytomedicine*, **17**: 186–191.

- Carvajal-Zarrabal, O., Hayward-Jones, P.M., Orta-Flores, Z., Nolasco-Hip&#243;, Lito, C., Barradas-Dermitz, D.M., dkk., 2009. Effect of *H. sabdariffa* L. Dried Calyx Ethanol Extract on Fat Absorption-Excretion, and Body Weight Implication in Rats. *BioMed Research International*, **2009**.
- Chang, C.-C., Yang, M.-H., Wen, H.-M., dan Chern, J.-C., 2002. Estimation of Total Flavonoid Content in Propolis by Two Complementary Colorimetric Methods. *Journal of Food and Drug Analysis*, **10**: 178–182.
- Chien, P.-J., Chen, Y.-C., Lu, S.-C., dan Sheu, F., 2005. Dietary flavonoids suppress adipogenesis in 3T3-L1 preadipocytes. *Journal of Food and Drug Analysis*, **13**: 168–175+195.
- Colville, T.P. dan Bassert, J.M., 2015. *Clinical Anatomy and Physiology for Veterinary Technicians*. Elsevier Health Sciences.
- Damayanti, R.A. dan Yuwono, T., 2013. Dimetilsufoksid Sebagai Enhancer Transpor Transdermal Teofilin Sediaan Gel. *Jurnal Ilmiah Kefarmasian*, **3**: 61–69.
- Dia, V.P., Garcia, V.V., Mabesa, R.C., dan Mendoza, E.M.T., 2005. Comparative Physicochemical Characteristics of Virgin Coconut Oil Produced by Different Methods. *The Philippine Agricultural Scientist*, **8 (4)**: 462–275.
- Driskell, R.R., Jahoda, C.A.B., Chuong, C.-M., Watt, F.M., dan Horsley, V., 2014. Defining dermal adipose tissue. *Experimental Dermatology*, **23**: 629–631.
- Elfahmi, Woerdenbag, H.J., dan Kayser, O., 2014. Jamu: Indonesian traditional herbal medicine towards rational phytopharmacological use. *Journal of Herbal Medicine*, **4**: 51–73.
- Falusi, O., Dangana, M., Daudu, O., Oluwajobi, A., Abejide, D., dan Abubakar, A., 2014. Evaluation of some Rossele (*H. sabdariffa* L.) germplasm in Nigeria. *Inter. J. Biotech. Food Sci*, **2**: 16–20.
- Flannery, D., 2015. 'Autumn Wedding Bouquet Ideas Aromatic Bridal Flowers', . URL: <http://www.aboutthegarden.com.au/index.php/autumn-wedding-bouquet-ideas-aromatic-bridal-flowers/> (diakses tanggal 15/8/2015).
- Fresney RI, 2005. *Culture of Animal Cell: A Manual of Basic Technique*. 5th Ed. John Wiley and Sons. pp. 120-135.

- Gannu, R., Palem, C.R., Yamsani, V.V., Yamsani, S.K., dan Yamsani, M.R., 2010. Enhanced bioavailability of lacidipine via microemulsion based transdermal gels: Formulation optimization, ex vivo and in vivo characterization. *International Journal of Pharmaceutics*, **388**: 231–241.
- Gupta, P.K., Pandit, J.K., Kumar, A., Swaroop, P., dan Gupta, S., 2010. Pharmaceutical nanotechnology Novel Nanoemulsion-High Energy Emulsification preparation, Evaluation, and Application. *The Pharma Research*, **3**: 117–138.
- Haerani, H., 2010. Pemanfaatan Limbah Virgin Coconut Oil (Blondo). *Media Kesehatan Masyarakat Indonesia*, **6**.
- Harwansh, R.K., Patra, K.C., dan Pareta, S.K., 2011. Nanoemulsi as potential vehicles for transdermal delivery of pure phtopharmaceuticals and poorly soluble drug. *International Journal of Drug Delivery*, **3**: 209–218.
- Houghton, J.D. dan Hendry, G.A.F., 2012. *Natural Food Colorants*. Springer Science & Business Media.
- Hu, H., Li, G., Duan, J., dan Arao, T., 2013. Prevalence, Purposes, and Perceived Effectiveness of Complementary and Alternative Medicine Use in a Hypertension Population: A Questionnaire Survey. *International Scholarly Research Notices*, **2013**: e137472.
- Ibrahim, M.M., 2010. Subcutaneous and visceral adipose tissue: structural and functional differences. *Obesity Reviews: An Official Journal of the International Association for the Study of Obesity*, **11**: 11–18.
- Ismail, A., Hainida K.I., E., dan Saadiah M.N., H., 2008. Roselle (*H. sabdariffa* L.) Seeds – Nutritional Composition, Protein Quality and Health Benefits. *Global Science Books*, **2 (1)**: 1–16.
- Kyatanwar, A.U., Jadhav, K.R., dan Kadam, V.J., 2010. Self micro-emulsifying drug delivery system (SMEDDS): Review. *Journal of Pharmacy Research*, **3**: 75.
- Kim, J.-K., So, H., Youn, M.-J., Kim, H.-J., Kim, Y., Park, C., dkk., 2007. *H. sabdariffa* L. water extract inhibits the adipocyte differentiation through the PI3-K and MAPK pathway. *Journal of Ethnopharmacology*, **114**: 260–267.
- Kim, M.-S., Kim, J.-K., Kim, H.-J., Moon, S.-R., Shin, B.-C., Park, K.-W., dkk., 2003. *H. extract* inhibits the lipid droplet accumulation and adipogenic transcription factors expression of 3T3-L1 preadipocytes. *Journal of Alternative and Complementary Medicine (New York, N.Y.)*, **9**: 499–504.

- Kong, M., Chen, X.G., Kweon, D.K., dan Park, H.J., 2011. Investigations on skin permeation of hyaluronic acid based nanoemulsion as transdermal carrier. *Carbohydrate Polymers*, **86**: 837–843.
- Li, M.-D., 2011. Leptin and Beyond: An Odyssey to the Central Control of Body Weight. *The Yale Journal of Biology and Medicine*, **84**: 1–7.
- Lim, T.K., 2014. *Edible Medicinal and Non Medicinal Plants, Volume 8: Flowers*. Springer Science & Business.
- Liu, R., 2008. *Water-Insoluble Drug Formulation, Second Edition*. CRC Press.
- Marina, A.M., Che Man, Y.B., dan Amin, I., 2009. Virgin coconut oil: emerging functional food oil. *Trends in Food Science & Technology*, **20**: 481–487.
- Martin, A., Bustamante, P., dan Chun, A. H., C., 1993, *Physical Pharmacy*, Lea and Febiger, Philadelphia
- Maryani, H. dan Kristiana, L., 2005. *Khasiat & Manfaat Rosela*. AgroMedia.
- Maryani, H. dan Kristiana, L., 2008. *Khasiat & Manfaat Rosela, Edisi Revisi*. AgroMedia.
- Menon, G.K., Cleary, G.W., dan Lane, M.E., 2012. The structure and function of the stratum corneum. *International Journal of Pharmaceutics*, , Advances in Topical Drug Delivery **435**: 3–9.
- Metcalf, A.D. dan Ferguson, M.W.J., 2007. Tissue engineering of replacement skin: the crossroads of biomaterials, wound healing, embryonic development, stem cells and regeneration. *Journal of The Royal Society Interface*, **4**: 413–437.
- Mohamed, R., Fernández, J., Pineda, M., dan Aguilar, M., 2007. Roselle (*H. sabdariffa*) seed oil is a rich source of gamma-tocopherol. *Journal of Food Science*, **72**: S207–211.
- Moon, J., Do, H.-J., Kim, O.Y., dan Shin, M.-J., 2013. Antiobesity effects of quercetin-rich onion peel extract on the differentiation of 3T3-L1 preadipocytes and the adipogenesis in high fat-fed rats. *Food and Chemical Toxicology*, **58**: 347–354.
- Nerdy, 2014. In Silico Docking of Chemical Compounds from Roselle Calyces (*H. Sabdariffa* L.) as Antidiabetic. *International Journal of ChemTech Research*, **7(1)**: 148 – 152.

- Pacôme, O. abba, djyh nazaire, bernard, sékou, diabate, allico, djaman, mongomaké, kone, dan hilaire, kouakou tanoh, 2014. Phytochemical and Antioxidant Activity of Roselle (*Hibiscus Sabdariffa* L.) Petal Extracts. *Research Journal of Pharmaceutical, Biological and Chemical Sciences*, **5(2)**: 1453–1465.
- Pamar, N., Singla, N., Amin, S., Kohli, K., 2011, Study of Cosurfactant Effect on Nanoemulsifying Area and Development of Lecarnidipine Loaded Self-Nanoemulsifying Drug Delivery System, *Colloids and Surfaces B : Biointerfaces*, **86**, 327-338.
- Patel, N. D., Patel, K. V., Panchai, L. A., Shukla, A. K. dan Shelat, P.K., 2011, An Emerging Technique for Poorly Soluble Drugs : Self Emulsifying Drug Delivery Systems, *International Journal of Pharmaceutical and Biological Research*, **2(2)**, 621-629.
- Permadi, A., 2008. *Membuat Kebun Tanaman Obat*. Jakarta : Pustaka Bunda.
- Pinsuwan, S., Annuaikit, T., Ungphaiboon, S., dan Itharat, A., 2010. Liposome-containing *H. sabdariffa* calyx extract formulations with increased antioxidant activity, improved dermal penetration and reduced dermal toxicity. *Journal of the Medical Association of Thailand = Chotmaihet Thangphaet*, **93 (7)**: 216–226.
- Rao, S.V.R. dan Shao, J., 2008. Self-nanoemulsifying drug delivery systems (SNEDDS) for oral delivery of protein drugs: I. Formulation development. *International Journal of Pharmaceutics*, **362**: 2–9.
- Riss, T.L., Moravec, R.A., Niles, A.L., Benink, H.A., Worzella, T.J., dan Minor, L., 2004. Cell Viability Assays, dalam: Sittampalam, G.S., Gal-Edd, N., Arkin, M., Auld, D., Austin, C., Bejcek, B., dkk. (Editor), *Assay Guidance Manual*. Eli Lilly & Company and the National Center for Advancing Translational Sciences, Bethesda (MD).
- Rosen, E.D., Walkey, C.J., Puigserver, P., dan Spiegelman, B.M., 2000. Transcriptional regulation of adipogenesis. *Genes & Development*, **14**: 1293–1307.
- Rowe, R.C., 2009. *Handbook of Pharmaceutical Excipients*. Pharmaceutical Press.
- Sabzghabae, A.M., Ataei, E., Kelishadi, R., Ghannadi, A., Soltani, R., Badri, S., dkk., 2013. Effect of *H. sabdariffa* Calices on Dyslipidemia in Obese Adolescents: A Triple-masked Randomized Controlled Trial. *Materia Socio-Medica*, **25**: 76–79.

- Sani, R.N., NIsa, F.C., Andriani, R.D., dan MAligan, J.M., 2014. Analisis REndemen dan Skrining Fitokimia Ekstrak Etanol Mikroalga Laut *Tetraselmis chuii*. *Jurnal Pangan dan Agroindustri*, **2(2)**: .
- Sanjeevani, N.A. dan Sakeena, M.H.F., 2013. *Formulation and Characterization of Virgin Coconut Oil (VCO) Based Emulsion*. International Journal of Scientific and Research Publications.
- Sartipy, P. dan Loskutoff, D.J., 2003. Monocyte chemoattractant protein 1 in obesity and insulin resistance. *Proceedings of the National Academy of Sciences of the United States of America*, **100**: 7265–7270.
- Shah, P., Bhalodia, D., dan Shelat, P., 2010. Nanoemulsion: A pharmaceutical review. *Systematic Reviews in Pharmacy*, **1**: 24.
- Sigh, B. dan Liliard, J.W., 2009, Nanoparticle Based Targeted Drug Delivery, *experimental and Molecular Pathology*, **86 (3)**, 215-223
- Sinko, P.J., 2011. *By Patrick J. Sinko - Martin's Physical Pharmacy and Pharmaceutical Sciences: (50th Anniversary): 6th (sixth) Edition*. Lippincott Williams & Wilkins.
- Slinkard, K. dan Singleton, V.L., 1977. Total Phenol Analysis: Automation and Comparison with Manual Methods. *American Journal of Enology and Viticulture*, **28**: 49–55.
- Suciati, T., Aliyandi, A., dan Satrialdi, 2014. Development Of Transdermal Nanoemulsion Formulation For Simultaneous Delivery Of Protein Vaccine And Artin-M Adjuvant. *International Journal of Pharmacy and Pharmaceutical Sciences*, **6**: 536–546.
- Sutradhar, K.B. dan Amin, M.L., 2013. Nanoemulsions: increasing possibilities in drug delivery. *European Journal of Nanomedicine*, **5**: 97–110.
- Syah, A.N.A., 2005. *Virgin coconut oil: minyak penakluk aneka penyakit*. AgroMedia.
- Talegaonkar, S., Tariq, M., dan Alabood, R.M., 2011. Deisgn And Developoment Of O/W Nanoemulsion For Transdermal Delivery Of Ondansentron. *Bulletin of Pharmaceutical Research*, **1( 3 )**: 18 – 3 0.
- Tam, C.S., Lecoultre, V., dan Ravussin, E., 2012. Brown Adipose Tissue Mechanisms and Potential Therapeutic Targets. *Circulation*, **125**: 2782–2791.

Thummel, K.E., 2007. Gut instincts: CYP3A4 and intestinal drug metabolism. *The Journal of Clinical Investigation*, **117**: 3173–3176.

Troy, D.B. dan Beringer, P., 2006. *Remington: The Science and Practice of Pharmacy*. Lippincott Williams & Wilkins.

Walters, K.A., 2002. *Dermatological and Transdermal Formulations*. CRC Press.

Wijayakusuma, P.H.H., 2008. *Ramuan Herbal Penurun Kolesterol*. Niaga Swadaya.

Xiao, P. dan Imhof, R.E., 2012. Two dimensional finite element modelling for dynamic water diffusion through stratum corneum. *International Journal of Pharmaceutics*, **435**: 88–92.

Zhou, H., Yue, Y., Liu, G., Li, Y., Zhang, J., Gong, Q., dkk., 2009. Preparation and Characterization of a Lecithin Nanoemulsion as a Topical Delivery System. *Nanoscale Research Letters*, **5**: 224–230.