

## DAFTAR PUSTAKA

- Aditya, R., 2014, Optimasi Pembuatan Virgin Coconut Oil (VCO) dengan Penambahan Ragi Roti (*Saccharomyces cerevisiae*) dan dalam Fermentasi dengan VCO Pancingan, *Jurnal Rekayasa Pangan*, 2, 2, 51-52.
- Anonim, 2008, SNI 7381:2008, Minyak Kelapa Virgin (VCO), Badan Standardisasi Nasional, Jakarta.
- Al-Edresi, S., and Baie, S., 2009, Formulation and Stability of Whitening VCO In Water Nano-cream. *International Journal of Pharmaceutics (IJP)*, 73, 174-178.
- Ali, S.M., dan Yosipovitch, G., 2013, Skin pH: From Basic Science to Basic Skin Care, *Acta Derm Venereol*, 93: 261-267.
- Ansel, H.C., 1989, *Pengantar Bentuk Sediaan Farmasi*, UI-Press, Depok.
- Ansel, H.C., Allen, L.V., dan Popovich, N.G., 1999, *Pharmaceutical Dosage Forms and Drug Delivery Sistem*, Seventh Edition, Lippincott Williams and Wilkins, Philadelphia, 371-373.
- Atkins, 1997, *Kimia Fisik Jilid 1 Edisi IV*, Erlangga, Jakarta.
- Barkat, A.K., Naveed, A., Khan, M.S., Khalid, W., Tariq, Mahmood, Akhtar, R., Iqbal, M., and Khan, H., 2011, Basics of Pharmaceutical Emulsions: A Review *African Journal of Pharmacy and Pharmacology (AJPP)*, 5(25), 2715-2725.
- Bennet, H., 1996, *Practical Emulsion*, Chemical Publishing Inc, New York.
- Bergenstahl, B.A., dan Claesson, P.M., 1990, *Surface forces in emulsions*, di dalam: Larsson, K., dan Friberg, S.E., editor. *Food Emulsions*, Marcell-Dekker Inc, New York.
- Bernardini, E., 1983, *Vegetable Oils and Fats Processing*, Volume II, Interstampa, Rome.
- Bouchemal, K., Briancon, S., Perrier, E., dan Fessi, H., 2004, Nano-emulsion Formulation Using Spontaneous Emulsification: Solvent, Oil, and Surfactant Optimisation, *Internal Journal of Pharmaceutics (IJP)*, 280:241-251.
- Dayrit, F.M., Buenafe, O.E.M., Chainani, E.T., de Vera, I.M.S., Dimzon, I.K.D., Gonzales, E.G., dan Santos, J.E.R., 2007, Standards for Essential Composition and Quality Factors of Commercial Virgin Coconut Oil and its Differentiation from RBD Coconut Oil and Copra Oil, *Philippine Journal of Science (PJS)*, 136 (2): 119-129.

- Dewi, R. K., 2010, Optimasi Formulasi Mikroemulsi Sediaan Hormon Testosteron Undekanoat, *Skripsi*, Program Studi Farmasi Fakultas Kedokteran dan Ilmu Kesehatan, Universitas Islam Negeri Syarif Hidayatullah, Jakarta: 31.
- Edy, S., 2007, Pengaruh Konsentrasi Surfactant pada Formulasi Propuxure 20 EC dan Efektifitasnya dalam Membasmi Aedes Aegypti, *Tesis*, Program Studi Teknik Kimia Fakultas Teknik Universitas Diponegoro, Semarang.
- Etzler, F. M., 2004, Particle Size Analysis: A Comparison of Methods, *Am. Pharm. Rev.*, 7 (1): 104-108.
- Fachry, A., Rasyidi., dan Sartika, A., 2006, Pembuatan Virgin Coconut Oil dengan Metode Sentrifugasi, *Skripsi*, Program Studi Teknik Kimia Fakultas Teknik Universitas Sriwijaya, Palembang.
- Fulekar, M.H., 2010, *Nanotechnology: Importance and Application*, I.K International Publishing House, New Delhi.
- Griffin, W.C., 1954, Calculation of HLB Values of Non-Ionic Surfactants, *J.soc. Cosm. Chem.*, 5: 249.
- Hanselmann, W., 1996, Influence of Continuous Whipping Process Parameters on Foam Structure and Stability, *Ph.D thesis*, Institute of Food Science and Nutrition, Swiss Federal Institute of Technology, ETH Zurich.
- Harwansh, R.K., Patra, Kartik Ch., Pareta, dan Surendra, K., 2011, Nanoemulsion as Potential Vehicles for Transdermal Delivery of Pure Phytopharmaceuticals and Poorly Soluble Drug, *International Journal of Drug Delivery (IJDD)*, 3, 209-218.
- Hengky, N., dan Rindengan, B., 2004, *Pembuatan dan Pemanfaatan Minyak Kelapa Murni*, Penerbit Swadaya, Jakarta.
- Jaworska, M., Sikora, E., dan Ogonowski. J., 2014, The Influence of Glicerides Oil Phase o/w Nanoemulsion Formulation by PIC Method, *Per.Pol.Chem.Eng.*, 58 (1): 43-48.
- Kommuru, T.R., Gurley, B., Khan, M.A., dan Reddy, I.K., 2001, Self-Emulsifying Drug Delivery Systems (SEDDS)of Coenzyme Q10: Formulation Development and Bioavailability Assessment, *International Journal of Pharmaceutics (IJP)*, 212:233-246.
- Lachman L., dan Lieberman, K., 1994, *Teori dan Praktek Farmasi Industri. S. Suyatmi*, UI-Press, Depok.
- Lawrence, M. J., and Ressa, G. D., 2000, *Microemulsion based Media as Novel Drug Delivery System*, *Advanced Drug Delivery Review*, London.

- Lissant, K.J., 1974, *Emulsions and Emulsion Technology, Edisi ke-6*, Marcel Dekker Inc, New York.
- MacArthur, B.W., Brooks, B.W., Sheats, B., dan Foster, N.C., 1998, *Meeting the Challenge of Methyl Ester Sulfonation*, [terhubung berkala], <http://www.chemithon.com> diakses pada tanggal 17 Mei 2018.
- Matheson, K.L., 1996, *Surfactants Raw Materials: Classification, Synthesis, and Uses. In: Soap and Detergents: A Theoretical and Practical Review*, Spitz, L. (Ed), AOCs Press, Illionis.
- McClements, D.J., 2004, *Food Emulsion Principles, Practices, and Techniques*, CRC Press, New York.
- McClements, D. J., dan Rao, J., 2011, Food-grade Nanoemulsions: Formulation, Fabrication, Properties, Performance, Biological Fate, and Potential Toxicity, *Critical Reviews in Food Science and Nutrition*, 51(4): 285–330.
- Nanotech, 2012, *Jasa Karakterisasi PSA (Partikel Size Analyzer) dan Zeta potensial*, Balai Inkubator Teknologi, Serpong-Tangerang.
- Packer, L., Weber, S.U., dan Rimbach, G., 2001, Molecular Aspect of  $\alpha$ Tocotrienol Antioxidant Action and Cell Signaling, *Am. Soc. Nutr. Sci.*, 369S-373S.
- Pardo, G.D., dan McClements, D, J., 2014, Nutraceutical Delivery Systems: Resveratrol Encapsulation in Grape Seed Oil Nanoemulsions Formed by Spontaneous Emulsification, *Food Chemistry*, 167: 205-212.
- Patel, H.C., Parmar, G., Seth, A.K., Patel, J.D., dan Patel, S.R., 2013, Formulation and Evaluation of O/W Nanoemulsion of Ketoconazole, *Pharma Science Monitor*, 4(4):338-351.
- Redjeki, S., 2013, *Kinetika Reaksi Fermentasi VCO secara Curah*, UPN-Press, Surabaya.
- Rowe, R.C., Sheskey, P.J., dan Quinn, M.E., 2009, *Handbook of Pharmaceutical Excipients Sixth Edition*, Pharmaceutical Press, London, 549-553, 675-678, 766-770.
- 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 (IJRSP)*, 3(12), 1-6.
- Setiaji, B., dan Prayugo, S., 2006, *Membuat VCO Berkualitas Tinggi*, Penebar Swadaya, Jakarta.
- Setiaji, B., Tahir, I., dan Pradipta, M.F., 2017, *Pembuatan Nanoemulsi dari VCO untuk Lebih Efisien dalam Aplikasi bidang Kesehatan dan Kosmetik*,

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Shah, P., Bhalodia, D., dan Shelat, P., 2010, Nanoemulsion: A Pharmaceutical Review, *Sys. Rev. Pharm.*, 1(1): 24-32.

Sheats, W.B., dan Foster, N.C., 1997, *Concentrated Products from Methyl Ester Sulfonates*, [http://www.chemiton.com/papers\\_brochure/ConcentratedProducts.doc.pdf](http://www.chemiton.com/papers_brochure/ConcentratedProducts.doc.pdf) diakses pada tanggal 29 April 2018.

Sinko, P.J., 2011. *Martin : Farmasi Fisika Dan Ilmu Farmasetika*, Edisi 5. Buku Kedokteran EGC, Jakarta.

Suhardiyono, L., 1993, *Tanaman Kelapa Budidaya dan Pemanfaatannya*, Kanisius, Yogyakarta.

Supriningsih, D., 2010, Pembuatan Metil Ester Sulfonat (MES) sebagai Surfaktan untuk Enhanced Oil Recovery (EOR), *Tesis*, Universitas Indonesia, Depok.

Suryani, A., Sailah, I., dan Hambali, E., 2000, *Teknologi Emulsi*, Institut Pertanian Bogor, Bogor.

Swasono, A.W.P., Sianturi, P.D.E., dan Masyithah, Z., 2012, Sintesis Surfaktan Alkil Poliglikosida dari Glukosa dan Dodekanol dengan Katalis Asam, *Jurnal Teknik Kimia*, 1(1), 5-9.

Swern, D., 1979, *Bailey's Industrial Oil and Fat Product Vol. 1-4th Edition*, Interscience Publication, New York.

Syah, A.N.A., dan Sumangat, D., 2005. *Medium Chain Triglyceride (MCT) : Triglycerida Pada Minyak Kelapa dan Pemanfaatannya*, Balai Besar Penelitian dan Pengembangan Pasca Panen Pertanian, Bogor.

Syamsuddin, 2017, Pembuatan Metil Ester Sulfonat Minyak Kelapa Murni Sebagai Surfaktan untuk Enhanced Oil Recovery (EOR), *Disertasi*, Program Studi Kimia Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Gadjah Mada, Yogyakarta.

Tadros, T.F., 2005, *Applied Surfactants: Surfactants in Nanoemulsions*. Weinheim: Wiley-VCH, Weinheim, 285-286.

Timoti, H., 2005, *Aplikasi Teknologi Membran Pada Pembuatan Virgin Coconut Oil (VCO)*, PT. Nawapanca Adhi Cipta, Jakarta.

Totoki, S., Wada, Y., Moriya, N., dan Shimaoka, H., 2007, DEP Active Grating Method: A New Approach for Size Analysis of Nano-sized Particles, *Shimadzu Review* 62 : 173-179.

- Volker, A., 2009, *Dynamic Light Scattering: Measuring the Particle Size Distribution*, <http://www.isinstruments.ch/technology/dynamiclightscattering/>, diakses tanggal 17 September 2018.
- Watkins, C., 2001, Surfactant and Detergent : All Eyes are on Texas, *J. Inform.*, 12, 1152-1159.
- Wilda, N.P., 2011, Pengaruh Agitasi Mekanik Terhadap Presipitasi CaCo<sub>3</sub> pada Air Sadah, *Skripsi*, Sarjana, Universitas Indonesia, Depok.
- Zhao, Y., Wang, C., Chow, A.H.L, Ren, K., Gong, T., Zhang, Z., dan Zheng, Y., 2009, Self-Nanoemulsifying Drug Delivery System (SNEEDES) for Oral Delivery of Zedoary Essential Oil: Formulation and Bioavailability Studies, *International Journal of Pharmaceutics (IJP)*, 383:170-177.