

BAB IV. DAFTAR PUSTAKA

- An, Y., Yan, X., Li, B., Li, Y., 2014, Microencapsulation of capsanthin by self-emulsifying nanoemulsions and stability evaluation, *Eur. Food Res. Technol.*, **239**, 1077–85.
- Anonim, 2011, Emulsion Stability and Testing, Particle Sciences Technical Brief , **3**.
- Armstrong, N. A., 2006, *Pharmaceutical Experimental Design and Interpretation* Second Edition, Taylor & Francis, London, halaman 83-89.
- Aulton, M. E., 2002, *Pharmaceutics : The Science of Dosage Form Design* Second Edition, ELBS with Churchill Livingstone, New York, halaman 6, 61, 83, 98-99, 188.
- Date, A.A., Nagarsenker, M. S., 2007, Design and evaluation of self-nanoemulsifying drug delivery systems (SNEDDS) for cefpodoxime proxetil, *Int. J. Pharm.*, **329**, 166–172.
- Date, A. A., Desai N., Dixit., Nagarsenker, M., 2010, Self-nanoemulsifying Drug Delivery System Formulation Insight, Application and Advances, *Nanomedicine*, **5**(10), 1595-1616.
- Donsi, F., Wang, Y., Huang, Q., 2011, Freeze-thaw stability of lecithin and modified starch-based nanoemulsions, *Food Hydrocolloid.*, **25**, 1327-1336.
- Dwiastuti, R., 2009, Optimasi Proses Pembuatan Krim Sunscreen Ekstrak Kering Polifenol Teh Hijau (*Camellia sinensis L.*) dengan Metode Desain Faktorial, *Tesis*, Universitas Gadjah Mada, Yogyakarta.
- Elsheikh, M.A., Elnaggar, Y.S.R., Gohar, E.Y., Abdallah, O.Y., 2012, Nanoemulsions liquid preconcentrates for raloxifene hydrochloride: optimization and in vivo appraisal, *Int. J. Nanomedicine*, **7**, 3787-802.
- Fitriani, N.R., 2013, Formulasi SNEDDS untuk PGV-0 dengan Menggunakan Minyak Nabati, *Skripsi*, Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Forgiarini, A., Esquena, J., Gonzalez, C., Solans, C., 2001, Formation of nanoemulsions by low-energy emulsification methods at constant temperature, *Langmuir*, **17**, 2076–2083.

- Gandjar, I.G. dan Rohman, A., 2012, Kimia Farmasi Analisis, Pustaka Pelajar, Yogyakarta, halaman 18.
- Halasz, G., Gyure, B., Janosi, M. I., Szaso, G. K., Tel, T., 2008, Vortex flow generated by a magnetic stirrer, *Phys. Fluids A-Fluid*, 1-8.
- Hickey, J. A., dan Ganderton, D., 2001, *Pharmaceutical Process Engineering*, Marcel Dekker, New York, halaman 41-42, 198-199, 208, 210-211, 213.
- Hyndman, J.R., 2013, The difference between prediction intervals and confidence intervals, <http://robjhyndman.com/hyndsight/intervals/>, 23 April 2017.
- Jadhav, A.J., Holkar, C.R., Karekar, S.E., Pinjari, D.V., Pandit, A.B., 2015, Ultrasound assisted manufacturing of paraffin wax nanoemulsions: Process optimization, *Ultrason. Sonochem.*, **23**(1), 201-207.
- Kassem, A. A., Mohsen, M. A., Ahmed, S. R., Essam, M. T., 2016, Self-nanoemulsifying drug delivery system (SNEDDS) with enhanced solubilization of nystatin for treatment of oral candidiasis: Design, optimization, in vitro and in vivo evaluation, *J. Mol. Liquids*, **218**, 219-232.
- Komaiko, J., dan McClements, D.J., 2015, Food-grade nanoemulsion filled hydrogels formed by spontaneous emulsification and gelation: optical properties, rheology, and stability, *Food Hydrocolloid.*, **46**, 67-75.
- Kurniawati, I., 1999, Metode Analisis Kuantitatif Pentagamavunon-0 dan Heksagamavunon-0 secara Spektrofotometri UV-Vis, *Skripsi*, Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- McClements, J.D., 2012, Nanoemulsions versus microemulsions: terminology, differences, and similarities, *Soft Matter*, **8**, 1719.
- Mulyadi, D. I., 2016, Pengaruh Pemberian Nanoemulsi Kurkumin dan Nanoemulsi Pentagamavunon-0 terhadap Perubahan Perilaku Fungsi Memori Kognitif dan Kecemasan, *Skripsi*, Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Oetari, R.A., Sardjiman, Yuwono, T., dan Hakim, L., 2001, Upaya Peningkatan Absorpsi Senyawa Baru Antiinflamasi PGV-0, Laporan Penelitian Hibah Bersaing IX/1 Perguruan Tinggi, Lembaga Penelitian Universitas Gadjah Mada, 17.
- Palma, D.A., Process Optimization Reality Checks, <http://www.pharmamanufacturing.com/articles/2006/105/>, 7 Maret 2017.

- Pouton, C.W., 2000, Lipid formulations for oral administration of drugs: non-emulsifying, self-emulsifying and 'self-microemulsifying' drug delivery systems, *Eur. J. Pharm. Sci.*, **11**, S93-S98.
- Pouton C.W., 2011, Formulation of self-emulsifying drug delivery systems, *Eur. J. Pharm. Sci.*, **11**, S93.
- Rowe, R.C., Sheskey, P.J., Quinn, M.E., 2009, *Handbook of Pharmaceutical Excipients*, 6th ed, 430, 518, Pharmaceutical Press, London, halaman
- Saberi, A.H., Fang, Y., McClements, D.J., 2013, Fabrication of vitamin E-enriched nanoemulsions: factors affecting particle size using spontaneous emulsification, *J. Colloid Interface Sci.*, **391**, 95–102.
- Sadurni, N., Solans, C., Azemar, N., García-Celma, M. J., 2005, Studies on the formation of O/W nano-emulsions, by low-energy emulsification methods, suitable for pharmaceutical applications, *Eur. J. Pharm. Sci.*, **26**, 438–445.
- Sardjiman, 2000, Synthesis of Some New Series of Curcumin analogues, Antioxidative, Antiinflammatory, Antibacterial activities and Qualitative Structure-Activity Relationship, *Disertasi*. Universitas Gadjah Mada, Yogyakarta.
- Tcholakova, S., Denkov, N. D., Lips, A., 2008, Comparison of solid particles, globular proteins and surfactants as emulsifiers, *Phys. Chem. Chem. Phys.*, **10**, 1597-1712
- Villar, S. M. A., Naveros, B. C., Campmany, C. C. A., Trenchs, A. M., Rocabert, B. C., Bellowa, H. L., 2012, Design and optimization of self-nanoemulsifying drug delivery systems (SNEDDS) for enhanced dissolution of gemfibrozil, *Int. J. Pharm.*, **431**, 11-175.
- Woodford, C., 2016, Centrifuges, <http://www.explainthatstuff.com/centrifuges.html>, 16 April 2017.
- Yuwono, T., dan Oetari, R.A., 2004, Stabilitas PGV-0 (Pentagamavunon-0) sebagai Obat Antiinflamasi dalam Bentuk Sediaan Larutan Cair, *Indonesia J. Pharm.*, **15**(1), 20-25.
- Zhang, Z., dan Ghadiri, M., 2002, Impact attrition of particulate solids. Part 1: A theoretical model of chipping, *Chem. Eng. Sci.*, **57**, 3659-3669.
- Zhao, Y., Wang, C., Chow, A.H.L., Ren, K., Gong, T., Zhang, Z., Zheng, Y., 2010, Self-nanoemulsifying drug delivery system (SNEDDS) for oral delivery of Zedoary essential oil: Formulation and bioavailability studies, *Int. J. Pharm.*, **383**(1), 170-177.