

DAFTAR PUSTAKA

- Ahmed, O.A.A., Badr-Eldin, S.M., Taufik, M.K., Ahmed, T.A., El-Say, K.M. & Badr, J.M., 2014, Design and Optimization of self-nanoemulsifying delivery sytem to enhance quercetin hepatoprotective activity in paracetamol-induced hepatotoxicity, *J. Pharm. Sci.*, 103 : 602-612.
- Anton N., & Vandamme TF, 2009, The Universality of Low-energy Nano emulsification, *Int. J. Pharm.*, **377**(1), 142–147.
- Badan Penelitian dan Pengembangan Kesehatan Departemen Kesehatan Republik Indonesia, 2001, *Inventaris Tanaman Obat Indonesia* (1), Jilid 2, 267, Badan dan Pengembangan Kesehatan Departemen Kesehatan Republik Indonesia, Jakarta.
- Bali, V., Ali, M., & Ali, J., 2010, Study of Surfactants Combinations and Development of a Novel Nanoemulsion for Minimising Variations in Bioavailability of Ezetimibe, *Colloids and Surfaces B : Biointerface*, 76 : 410 – 420.
- Bagalkotkar, G., Sagineedu, S.R., Saad, M.S., & Stanslas, J., 2006, Phytochemicals from *Phyllanthus niruri* Linn. and their pharmacological properties : a review, *J. P.Pharm*, 58 : 1559 – 1570.
- Baratawidjaja, K.G., & Rengganis, I., 2010, *Imunologi Dasar*, edisi IX, 418, Balai Penerbit Kedokteran Universitas Indonesia, Jakarta.
- Bellanti, J.A., 1985, *Imunologi III*, Cetakan ke-1, 48-49, 12-15, W.B Saunders Company, Philadelphia.
- Bolton, S., 1997, *Pharmaceutical Statistics: Practical and Clinical Application*, 3rd Edition, 610-611, Marcell Dekker Inc, New York.
- Bolton, S., & Bon, C., 2004, *Pharmaceutical Statistics Vol. 135*, 265-281, Marcell Dekker Inc., New York.
- Bouchemal, K., Briancon, S., Perrier, E., & Fessi, H., 2004, Nano-emulsion Formulation using spontaneous emulsification: solvent, oil and surfactant optimization, *Int. J. Pharm.* **280** : 241-251.
- Budiarso, I.T., 2008, Squalene, Ekstrak Hati Ikan Cucut Botol yang Ajaib, diakses pada 1 Mei 2015 pukul 19.00 (<http://www.medikaholistik.com>).

- Chairul, P., 2011, Uji Efektivitas Imunomodulator Tiga Jenis Zingiberaceae Secara *In-vitro* Melalui Pengukuran Aktivitas Sel Makrofag dan Kapasitas Fagositosis, *Artikel Biologi*, Bidang Botani, Puslit Biologi LIPI, Cibinong.
- Chavda, H., Patel, J., Chavada, G., Dave, S., Patel, A., & Patel, C., 2013, Self-Nanoemulsifying Powder of Isotretinoin: Preparation and Characterization, *J. Powder. Tech.*, **203**: 1-9.
- Costa, Josane A., Lucas, Elizabete F., Queiros, Yure G.C., Mansur., & Claudia R.E., 2012, Evaluation of Nanoemulsions in The Cleaning of Polymeric Resins, *Colloids and Surfaces A: Physicochem. Eng. Aspects.*, **415**, 112-118.
- Date, A.A., Desai, N., Dixit, & Nagarsenker, M., 2010, Self-nanoemulsifying Drug Delivery Systems Formulation Insight, Applications and Advances, *Nanomedicine*, **5**(10), 1595-1616.
- Debnath, S., Satayanarayana, & Kumar, G. V., 2011, Nanoemulsion-A Method to Improve The Solubility of Lipophilic Drugs, *Pharmanest.*, **2** (2-3), 72-76.
- Departemen Kesehatan Republik Indonesia, 1978, *Materia Medika Indonesia*, Jilid II, 77, Departemen Kesehatan Republik Indonesia, Jakarta.
- Departemen Kesehatan Republik Indonesia, 2000, *Parameter Standar Umum Ekstrak Tumbuhan Obat*, Cetakan Pertama, 1, 10, Departemen Kesehatan Republik Indonesia, Jakarta.
- Departemen Kesehatan Republik Indonesia, 2008, *Farmakope Herbal Indonesia*, Suplemen II, Edisi I, 119, Departemen Kesehatan Republik Indonesia, Jakarta.
- Departemen Kesehatan Republik Indonesia, 1995, *Farmakope Indonesia*, Edisi IV, 487, Departemen Kesehatan Republik Indonesia, Jakarta.
- Dey, S., Jha, S. K., Malakar, J., & Gangopadhyay, A., 2012, Improvement of Bioavailability of Poorly Soluble Drugs through Self Emulsifying Drug Delivery System, *J Pharm Sci Tech.*, **1**(2): 6-11.
- Doh, H.J., Jung, Y., Balakrishnan, P., Cho, H.-J., & Kim, D.-D., 2013, A Novel Lipid Nanoemulsion System for Improved Permeation of Granisetron, *Colloids Surf Biointerfaces*, **101**, 475-480.
- Elsheikh, M.A., Elnaggar, Y.S.R., Gohar, E.Y. & Abdallah, O.Y., 2012, Nanoemulsion Liquid Preconcentrates for Raloxifene Hydrochloride: Optimazation and In Vivo Appraisal, *Int. J. Nanomedicine*, **7**, 3787-3802.

- Harborne, J.B., 1998, *Phytochemical methods : A guide to modern techniques of plants analysis*, 3rd Edition, 117, Chapman & Hall, London.
- Harivardan, R., and Patrick, C. 2009. Squalene: A natural triterpene for use in disease management and therapy. Univ. Paris-Sud XI, Faculté de Pharmacie, UMR CNRS 8612, 92296 Châtenay-Malabry Cedex, France.
- Hollman, P.C.H., van Trijp, J.M.P., Buysman, M.N.C.P., v.d. Gaag, M.S., Mangellers, M.J.B., de Vries, J.H.M., & Katan, M.B., 1997, Relative bioavailability of the antioxidants flavonoid quercetin for various food in man, *FEBS Lett.* 418 : 152-156.
- Huang, D., Boxinou, & Prior, R. R., 2005, The Chemistry Behind Antioxidant Assay, *Journal Agricfood Chem.*, **53** (6): 1849-4850.
- Hutapea & Syamsuhidayat, 1991, *Inventaris Tanaman Obat Indonesia*, edisi ke 2, 30, Departemen Kesehatan Republik Indonesia, Jakarta.
- Indriatmoko, S., 2013, Pengembangan Nanopartikel Ekstrak Temulawak (*Curcuma xanthorrhiza*, Roxb) dengan Teknik *Self Nano-Emulsifying Drug Delivery System (SNEDDS)* Menggunakan Fase Minyak Ikan Cucut Botol (*Centrocymnus crepidater*) Sebagai Obat Antiinflamasi, *Tesis*, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.
- Kommuru, T.R., Gurley, B., Khan, M.A., & Reddy, I.K., 2001, Self-Emulsifying Drug Delivery Systems (SEDDS) of Coenzyme Q10: Formulation Development and Bioavailability Assessment, *Int. J. Pharm.*, **212**, 233-246.
- Kurniawan, W., 2009, Meningkatkan Perolehan Kadar Vitamin A dan Squalene pada Home Industri Pengolahan Minyak Ikan Hiu Botol di Masyarakat Nelayan Cilacap, diakses pada 1 Mei 2015 pukul 20.00 (elib.pdii.lipi.go.id).
- Lalwani, J.T., Thakkar, V.T., & Patel, H.V., 2013, Enhancement of Solubility and Oral Bioavailability of Ezetimibe by A Novel Solid Self Nano Emulsifying Drug Delivery System (SNEDDS), *Int. J. Pharm. Sci*, **5**(3) : 513-522.
- Makadia, Ms., Hiral A., Bhatt, Ms., Ami, Y., Parmar, Mr., Ramesh, B., Paun, Ms., Jalpa, S., & Tank., 2013, Self-nano Emulsifying Drug Delivery System (SNEDDS): Future Aspect, *Asian J. Pharm. Res.*, **3** (1), 21-27.
- Paithanker, K. S., Raut, R., Charde & Vyas, J., 2011, *Phyllanthus niruri* : A Magic Herbs, *Research in Pharmacy*, **1** (4), 1-2.

- Parmar, N., Singla, N., Amin, S., & Kohli, K., 2011, Study of Cosurfactant Effect on Nanoemulsifying Area and Development of Lercanidipine Loaded (SNEDDS) Self Nanoemulsifying Drug Delivery System, *Colloids and Surfaces B : Biointerfaces*, 86 : 327– 338.
- Patel, M. J., Patel, N. M., Patel, R. B., & Patel, R. P., 2010, Formulation and Evaluation of Self-Microemulsifying Drug Delivery System of Lovastatin, *Asian. J. Pharm. Sci.*, 5 (6), 266-267.
- Pol, A.S., Patel, P.A., & Hegde, D., 2013, Peppermint Ool Based Drug Delivery System ofAceclofenac with Improved Anti-Inframatory Activity and Reduced Ulcerogenecity,*Int. J. Pharm. Biosci. Tech.*, 1(2), 89-101.
- Rachmawati, A.N., 2012, Optimasi Tablet Dispersibel Ekstrak Daun Jambu Biji (*Psidium guajava L*) dengan Kombinasi Bahan Penghancur *Croscarmellose Sodium* dan *Sodium Strarch Glycolate*, *Skripsi*, 36-39, Fakultas Farmasi Universitas GadjahMada, Yogyakarta.
- Rao, B.P., Babu, A.M., Sudhakar, P., Sambasiva Rao, K.R.S., 2012, Formulation and evaluation of self nanoemulsifying drug delivery system of low solubility drug Simvastatin for improved solubility and bioavailibility,*Int. J. of Bio.&Pharm. Research*, 3(6) : 767 – 774.
- Rowe, R.C., Sheskey, P.J., & Quinn, M.E., 2009, *Handbook of Pharmaceutical Excipients*,Sixth Edition, 334, Pharmaceutical Press, London.
- Sagala, R.J., 2013, Uji Imunomodulator Kombinasi Ekstrak Etanolik Herba Meniran (*Phyllanthus niruri L.*) Umbi Keladi Tikus (*Typhonium flagelliforme* (Lodd) Blume) dan Daun Sirih Merah (*Piper crocatum*) terhadap Fagositosis Makrofag Secara In Vitro, *Skripsi*, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.
- Sakthi, Udaya., 2013, Self Nano Emulsifying Drug Delivery Systems for Oral Delivery of Hydrophobic Drugs, *Biomed and Pharm .J*, 6(2), 355-362.
- Salonen, A., Saarnio, S., &Julkunen-Tiitto, R., 2012, Phenolic Compounds of Propolis from The Boreal Coniferous Zone, *J. Apicultural. Sci*, 56 : 13-22.
- Sapra, K., Sapra, A., Singh, S. K., & Kakkar, S., 2012, Self-Emulsifying Drug Delivery System: A Tool in Solubility Enhancement of Poorly Soluble Drugs, *Int. J. Pharm. Sci.*, 2 (3), 314, 317-318, 320.

- Singh, B., Bandopadhyay, S., Kapil, R., Singh, R., & Katare, O. P., 2009, Self-Emulsifying Drug Delivery System (SEDDS): Formulation Development, Characterization, and Application, *Crit. Rev. Ther. Drug Carrier Syst.*, **26** (5), 427, 431, 444-445, 451.
- Sriningsih, & Wibowo AE. 2006. Efek protektif pemberian ekstrak etanol herba Meniran (*Phyllanthus niruri* L.) terhadap aktivitas dan kapasitas fagositosis makrofag peritoneum tikus, *Amcarpus* **6** (2) : 91 – 96.
- Sudarsono, & Agus, P., 2006, *Tumbuhan Obat*, 1, 67, Pusat Penelitian Obat Tradisional UGM, Yogyakarta.
- Suhrman, S., & Winarti, C., 2007, Prospek dan Fungsi Tanaman Obat sebagai Immunomodulator, *Perkembangan Teknologi Tanaman Rempah dan Obat*, 19(2).
- Sunarno, 2007, Efek *Phyllanthus niruri* L pada Prosentase Neutrofil, Koloni Bacteri Limpa, dan Histopatologi Hepar Mencit Balb/C yang Diinfeksi *Salmonella typhimurium*, *Tesis*, Program Pasca Sarjana Universitas Diponegoro, Semarang.
- Taylor, M. S, 2011, Stabilisation of Water-in-Oil Emulsions to Improve the Emollient Properties of Lipstick, *Dissertation*, Chemical Engineering Science, University of Birmingham, United Kingdom.
- Thabrew, M.I., de Silva, K.T., Labadie, R.P., de Bie, P.U.L.A., & Van den Berg, P., 1991, Immunomodulatory activity of Three Sri Lanka Medicinal Plants used in hepatic disorder, *J. Ethnopharm*, **74**(9): 63-6.
- Wankhade, V., Tapar, K., Pande, S., & Bobade, N., 2010, Design and Evaluation of Self Nanoemulsifying Drug Delivery System (SNEDDS) for Gliclazide, *Der Pharmacia Lettre*, **2**(4): 132-143.
- Yadav, P., Kumar, V., Singh, U., Bhat, H., Mazumder, B., 2012, Physicochemical Characterization and In Vitro Dissolution Studies of Solid Dispersion of Ketoprofen with PVP K30 and D-mannitol, *Saudi Pharm. J.*, **21**, 77-84.
- Zhang, J., Peng, Q., Shi, S., Zhang, Q., Sun, X., Gong, T. & Zhang, Z., 2008, Preparation, Characterization and In Vivo Evaluation of A Self-Nano Emulsifying Drug Delivery System (SNEDDS) Loaded with Morin-Phospholipid Complex, *Int. J. Nanomedicine*, **6**, 3405-3414.