DAFTAR PUSTAKA

Aji, D.P. 2009, 'Uji Toksisitas Akut Senyawa Gamavuton-0 pada Tikus Wistar Betina', *Skripsi*, S.Farm., Universitas Gadjah Mada, Yogyakarta.

Anton, N. & Vandamme, T. 2009, The Universality of Low Energy Nanoemulsification, *International Journal of Pharmaceutics*, **377**:142-147.

Anwar, M., Warsi, M.H. & Mallick, N. 2011, Enhanced Bioavailability of Nano-sized Chitosan-atorvastatin Conjugate After Oral Administration to Rats, *European Journal of Pharmaceutical Sciences*, **44**(3):241-249.

Association of Official Analytical Chemists 2005, *Official method of analysis*, AOAC, Washington DC, USA.

Aungst, B.J. 2000, Intestinal Permeation Enhancers, *Journal of Pharmaceutical Sciences*, **89**(4):429-442.

Avdeef, A. 2003, *Absorption and Drug Development: Solubility, Permeability and Charge State*, John Wiley & Sons, Hoboken, New Jersey, USA.

Babchin, A.J. & Scramm, L.L. 2012, Osmotic Repulsion Force Due to Adsorbed Surfactants, *Colloids and Surfaces B: Biointerfaces*, **91**:137-143.

Benjamini, E., Coico, R. & Sunshine, G. 2000, *Immunology A Short Course*, 4th ed., Wiley-Liss, New York.

Biradar, S., Dhumal, R.S. & Paradkar, A. 2009, Rheological Investigation of Self-emulsification Process: Effect of Co-surfactant, *Journal of Pharmacy and Pharmaceutical Sciences*, **12**(2):164-174.

Chavda, V.P. 2012, Are SMEDDs and SNEDDs Same? A Gimmick or Pharmaceutically Relevant, *Mintage Journal of Pharmaceutical and Medical Sciences*, **1**(1):7-10.

Crane, R. & Wilson, T. 1958, In Vitro Method for the Study of the Rate of Intestinal Absorption of Sugars, *Journal of Applied Physiology*, **12**:145-146.

Date, A.A. & Nagarsenker, M.S. 2007, Design and Evaluation of Self-nanoemulsifying Drug Delivery Systems (SNEDDS) for Cefpodoxime Proxetil, *International Journal of Pharmaceutics*, **329**:166-172, DOI: 10.1016/j.ijpharm. 2006.08.038.

Date, A.A., Desai, N., Dixit, R. & Nagarsenker, M. 2010, Self-nanoemulsifying Drug Delivery Systems: Formulation Insights, Applications and Advances, *Nanomedicine*, **5**(10):1595-1616.

Hardini, I. 2009, 'Pengaruh Gamavuton-0 Terhadap Inflamasi dan Indeks Artritis Pada Tikus Wistar Betina Artritis Rematoid Diinduksi Complete Freund's Adjuvant', *Skripsi*, S.Farm., Universitas Gadjah Mada, Yogyakarta.

Hendrajaya, K. 2006, 'Validasi Metode Analisis Benzil Alkohol dan Benzaldehid dalam Sediaan Injeksi Intramuskular yang Diproduksi di Surabaya', *Tesis*, M.Sc., Universitas Gadjah Mada, Yogyakarta.

Hermawan, D. 2012, 'Pemanfaatan Kitosan Industri Lokal dalam Preparasi nanokitosan-GVT-0 pada pH 4 dengan Metode Ionik Gelasi', *Skripsi*, S.Farm., Universitas Gadjah Mada, Yogyakarta.

International Conference on Harmonisation of Technical Requirements for Registration of Pharmaceuticals for Human Use (ICH) 1994, *ICH Harmonised Tripartite Guideline: Validation of Analytical Procedures: Text and Methodology*, Internatioanl Conference on Harmonisation of Technical Requirements for Registration of Pharmaceuticals for Human Use (ICH).

Kimura, M., Shizuki, M., Miyoshi, K., Sakai, T., Hidaka, H., Takamura, H., et al. 1994, Relatioanship Between the Molecular Structures and Emulsification Properties of Edible Oils, *Bioscience, Biotechnology, and Biochemistry*, **58**(7):1258-1261.

Lei, Y., Lu, Y., Qi, J., Nie, S., Hu, F., Pan, W., et al. 2011, Solid Self-nanoemulsifying Cyclosporin A Pellets Prepared by Fluid-bed Coating: Preparation, Characterization and in Vitro Redispersibility, *International Journal of Nanomedicine*, **6**:795-805, DOI: 10.2147/IJN.S17711.

Li, W., Yi, S., Wang, Z., Chen, S., Xin, S., Xie, J., et al. 2011, Self-nanoemulsifying Drug Delivery System of Persimmon Leaf Extract: Optimization and Bioavailability Studies, *International Journal of Pharmaceutics*, **420**(1):161-171, DOI: 10.1016/j.ijpharm.2011.08.024.

Lipinski, C.A. 2001, Drug-like Properties and the Causes of Poor Solubility and Poor Permeability, *Journal of Pharmacological and Toxicological Methods*, **44**(2000).

Lipinski, C.A., Lombardo, F., Dominy, B.W. & Feeney, P.J. 2001, Experimental and Computational Approaches to Estimate Solubility and Permeability in Drug Discovery and Development Settings, *Advanced Drug Delivery Reviews*, **46**:3-26.

Loftsson, T. 2012, Drug Permeation Through Biomembranes: Cyclodextrins and the Unstirred Water Layer, *Pharmazie*, **67**(5):363-370.

Loomis, T. 1978, *Toksikologi Dasar*, edisi ke-3, IKIP Semarang Press, Semarang.

Mahmoud, E.A., Bendas, E.R. & Mohamed, M.I. 2009, Preparation and Evaluation of Self-nanoemulsifying Tablets of Carvedilol, *AAPS PharmSciTech.*, **10**(1):183-192, DOI: 10.1208/s12249-009-9192-7.

Margono, S.A. & Zendrato, R.N. 2006, Sintesis Diasetil Gamavuton-0 Dengan Menggunakan Asetil Klorida Sebagai Acylating Agent, *Majalah Farmasi Indonesia*, **17**(1):25-31.

Masuda, T., Jitoe, A., Isobe, J., Nakatani, N. & Yonemori, S. 1993, Anti-oxidative and Anti-inflammatory Curcumin-related Phenolics from Rhizomes of Curcuma Domestica, *Phytochemistry*, **32**(6):1557-1560.

Miller, J.H.M. 2005, 'Validation of Pharmaceutical Methods' in J. Ermer & J.H.M. Miller, Eds. *Method Validation in Pharmaceutical Analysis: A Guide to Best Practice*, WILEY-V C H VERLAG GMBH, Weinheim, pp 303.

Miller, J.N. & Miller, J.C. 2005, *Statistics and Chemometrics for Analytical Chemistry*, 5th ed. , Pearson Education Limited, Harlow England.

Morozovich, W. & Gao, P. 2009, 'Improving the Oral Absorption of Poorly Soluble Drugs Using SEDDS and S-SEDDS Formulations' in Y. Qiu, Y. Chen, G.G.Z. Zhang, L. Liu, & W.R. Porter, Eds. *Developing Solid Oral Dosage Forms Pharmaceutical Theory and Practice*, 1st ed. , Academic Press, San Diego, California, pp 462-465.

Nugroho, A.E., Yuniarti, N., Istyastono, E.P. & Hakim, L. 2007, Penghambatan Reaksi Anafilaksis Kutaneus Aktif Oleh Kalium Gamavuton-0 (K-GVT-0), *Majalah Farmasi Indonesia*, **18**(2):63-70.

Patel, B.D., Modi, R.V. & Thakkar, N.A. 2012, Development and Characterization of Solid Lipid Nanoparticles for Enhancement of Oral Bioavailability of Raloxifene, *Journal of Pharmacy and Bioallied Sciences*, **4**(Suppl 1):S14-S16.

Pedersen, B.L. & Mullertz, A. 2010, 'In Vitro Dissolution' in B. Steffansen, B. Brodin, & C.U. Nielsen, Eds. *Molecular Biopharmaceutics Aspetct of Drug Characterisation, Drug Delivery and Dosage Form Evaluation*, Pharmaceutical Press, London and Chicago, pp 257.

Pouton, C.W. 1997, Formulation of Self-emulsifying Drug Delivery Systems, *Advanced Drug Delivery Reviews*, **25**(47-58).

Pratiwi, R.D. 2008, 'Pengaruh Gamavuton-0 Terhadap Destruksi Kartilago Pada Tikus Betina Artritis Rematoid Galur Wistar Diinduksi Complete Freund's Adjuvant', *Skripsi*, S.Farm., Universitas Gadjah Mada, Yogyakarta.

Rao, S.V.R., Yajurvedi, K. & Shao, J. 2008, Self-nanoemulsifying Drug Delivery System (SNEDDS) for Oral Delivery of Protein Drugs III . In Vivo Oral Absorption Study, *International Journal of Pharmaceutics*, **362**:16-19, DOI: 10.1016/j.ijpharm.2008.05.015.

Ririn 2012, 'Preparasi Nano Partikel Gamavuton-0 Menggunakan Kitosan Rantai Sedang dan Tripolifosfat serta Uji Cellular Uptake pada Kultur Sel Mcf-7 secara *in Vitro'*, *Tesis*, M.Sc., Universitas Gadjah Mada, Yogyakarta.

Rosyidi, V.A. 2008, 'Aktivitas Gamavuton-0 sebagai Anti Artritis Rematoid pada Tikus Wistar Betina Diinduksi Complete Freund's Adjuvant dengan Parameter Penekanan Kadar Sitokin IL-1B pada Jaringan Sendi', *Skripsi*, S.Farm., Universitas Gadjah Mada, Yogyakarta.

Sardjiman 2000, 'Synthesis of Some New Series of Curcumin Analogues, Antioxidative, Antiinflammatory, Antibacterial Activity, and Qualitative Structure Activity Relationship', *Disertasi*, Dr., Universitas Gadjah Mada, Yogyakarta.

Sardjiman, Reksohadiprodjo, M.S., Hakim, L., Groot, H. & Timmerman, H. 1997, 1,5-Diphenyl-1,4-pentadiene-3-ones and Cyclic Analogues as Antioxidative Agents. Synthesis and Structure-activity Relationsip, *European Journal of Medicinal Chemistry*, **32**:645-630.

Serajuddin, A.T.M. 1999, Solid Dispersion of Poorly Water-soluble Drugs: Early Promises, Subsequent Problems, and Recent Breakthroughs, *Journal of Pharmaceutical Sciences*, **88**:1058-1066.

Sethia, S. & Squillante, E. 2003, Solid Dispersions: Revival with Greater Possibilities and Applications in Oral Drug Delivery, *Critical Reviews in Therapeutic Drug Carrier Systems*, **20**:215-247.

Shah, P., Bhalodia, D. & Shelat, P. 2010, Nanoemulsion: A Pharmaceutical Review, *Systematic Reviews in Pharmacy*, **1**(1):24-32, DOI: 10.4103/0975-8453.59509.

Shanmugam, S., Baskaran, R., Balakrishnan, P., Thapa, P. & Yong, C.S. 2011, Solid Self-nanoemulsifying Drug Delivery System (S-SNEDDS) Containing Phosphatidylcholine for Enhanced Bioavailability of Highly Lipophilic Bioactive Carotenoid Lutein, *European Journal of Pharmaceutics and Biopharmaceutics*, **79**(2):250-257, DOI: 10.1016/j.ejpb.2011.04.012.

Shulman, M., Cohen, M. & Soto-Gutierrez, A. 2011, Enhancement of Naringenin Bioavailability by Complexation with Hydroxypropyl-β-cyclodextrin, *PloS One*, **6**(4):el18033.

Subramanian, N., Ray, S., Ghosal, K., Bhadra, R. & Moulik, S.P. 2004, Formulation Design of Self-Microemulsifying Drug Delivery Systems for Improved Oral Bioavailability of Celecoxib, *Biological and Pharmaceutical Bulletin*, **27**(12):1993-1999.

Tadros, T.F. 2009, 'Emulsion Science and Technology: A General Introduction' in T.F. Tadros, Ed. *Emulsion Science and Technology*, WILEY-V C H VERLAG GMBH & Co. KGaA., Weinheim, pp 20.

Taha, E., Ghorab, D. & Zaghloul, A.-azim 2007, Bioavailability Assessment of Vitamin A Self-Nanoemulsified Drug Delivery Systems in Rats: A Comparative Study, *Medical Principles and Practice*, **16**:355-359, DOI: 10.1159/000104808.

Taha, E.I., Al-Saidan, S., Samy, A.M. & Khan, M.A. 2004, Preparation and in Vitro Characterization of Self-nanoemulsified Drug Delivery System (SNEDDS) of All-trans-retinol Acetate, *International Journal of Pharmaceutics*, **285**:109-119, DOI: 10.1016/j.ijpharm.2004.03.034.

Taha, E.I., Al-Suwayeh, S.A. & Anwer, M.K. 2009, Preparation, in Vitro and in Vivo Evaluation of Solid-state Self-nanoemulsifying Drug Delivery System (SNEDDS) of Vitamin A Acetate, *Journal Drug Targeting*, **17**(6):468-473, DOI: 10.1080/10611860903002761.

Taha, E.I., Al-Suwayeh, S.A. & El-Badry, M. 2009, Bioavailability Study of Indomethacin Self-nanemulsifying Oral Formulation in Rats, *Australian Journal of Basic and Applied Sciences*, **3**(3):2944-2948.

Taurina, W. 2012, 'Preparasi Nanopartikel Gamavuton-0 Menggunakan Kitosan Rantai Pendek dan Tripolifosfat sebagai *Cross Linker* serta Uji *Cellular Uptake* pada Kultur Sel MCF-7 secara *In Vitro'*, *Tesis*, M.Sc., Universitas Gadjah Mada, Yogyakarta.

Timmerman, H. 1997, 'New Perspectives for Anti-inflammatory Drugs' in S. Pramono, U.A. Jenie, & D. Gunawan, Eds. *Recent Development in Curcumin Pharmacochemistry: Proceedings of the International Symposium on Curcumin Pharmacochemistry (ISCP) August 29-31, 1995*, Aditya Media, Yogyakarta, Indonesia, pp 1-12.

Wibowo, K.W. 2012, 'Preparasi Nanopartikel Gamavuton-0 dengan Kitosan Industri Lokal Menggunakan Metode Ionik Gelasi pada Kondisi pH 5,0', *Skripsi*, S.Farm., Universitas Gadjah Mada, Yogyakarta.

Windriyati, Y.N. 2006, 'Penggunaan Polivinilpirolidon sebagai Bahan Pembawa dalam Dispersi Padat dan Pengaruhnya terhadap Sifat Fisik serta Disolusi Tablet Pentagamavunon-0', *Tesis*, M.Si., Universitas Gadjah Mada, Yogyakarta.

Wulandari, E. 2013, 'Formulasi SNEDDS (*Self-nanoemulsifying Drug Delivery System*) untuk Gamavuton-0 dengan Menggunakan Minyak Nabati', *Skripsi*, S.Farm., Universitas Gadjah Mada, Yogyakarta.

Xi, J., Chang, Q., Chan, C.K., Meng, Z.Y., Wang, G.N., Sun, J.B., et al. 2009, Formulation Development and Bioavailability Evaluation of a Self-Nanoemulsified Drug Delivery System of Oleanolic Acid, *AAPS PharmSciTech.*, **10**(1):172-182, DOI: 10.1208/s12249-009-9190-9.

Yuniarti, N. 2006, 'Aktivitas Antiinflamasi *In Vivo* dan *In Vitro* 1,5-bis(4'-hidroksi-3'-metoksifenil)-1,4-pentadien-3-on dan Turunannya', *Tesis*, M.Sc., Universitas Gadjah Mada, Yogyakarta.

Yuwono, T. 1987, 'Pengaruh Kofeina terhadap Kelarutan dan Ketersediaan Hayati 0-etoksibenzamida pada Tikus Jantan', *Disertasi*, Dr. Institut Teknologi Bandung.