

DAFTAR PUSTAKA

- Abbas, A.K., Lichtman, A.H., dan Pillai, S., 2012, *Cellular and Molecular Immunology Seventh Edition*. Elsevier Saunders, Philadelphia ; USA.
- Ahmad, N., Ahmad, R., Naqvi, A., Alam, M., Abdur Rub, R., dan Ahmad, F., 2017, Enhancement of Quercetin Oral Bioavailability by Self-Nanoemulsifying Drug Delivery System and their Quantification through Ultra High Performance Liquid Chromatography and Mass Spectrometry in Cerebral Ischemia. *Drug Research - Georg Thieme Verlag KG Stuttgart*, **67**: 564–575.
- Ahmed, O.A., Badr-Eldin, S.M., Tawfik, M.K., Ahmed, T.A., El-Say, K.M., dan Badr, J.M., 2014, Design and Optimization of Self-Nanoemulsifying Delivery System to Enhance Quercetin Hepatoprotective Activity in Paracetamol-Induced Hepatotoxicity. *Journal of Pharmaceutical Sciences*, **103**: 602–612.
- Akrom, A. dan Fatimah, F., 2015, Ekstrak Heksan Biji Jinten Hitam (*Nigella sativa* L) meningkatkan Aktivitas Fagositosis Makrofag Tikus Betina Galur SD (*Sprague Dawley*) yang diinduksi DMBA (7, 12-dimetilbenz (α) antrasen) secara *In Vitro*. *Pharmaciana*, **5**: 69–76.
- Akrom, Puspitosari, D., dan Supriatno, 2009, Efek Ekstrak Etanol Pegagan Pada Aktivitas Sekresi *Reactive Oxygen Intermediates* (ROI) Makrofag Peritoneal Mencit *Swiss* Betina Diinduksi *Spc-1*. *Jurnal Kedokteran Indonesia*, **1**: 8–14.
- Aldi, Y., Novelin, F., dan Handayani, D., 2015, Aktivitas Beberapa Subfraksi Herba Meniran (*Phyllanthus niruri* Linn.) terhadap Aktivitas dan Kapasitas Fagositosis Makrofag. *Scientia*, **5**: 92–96.
- Aldi, Y., Rasyadi, Y., dan Handayani, D., 2014, Aktivitas Imunomodulator dari Ekstrak Etanol Meniran (*Phyllanthus niruri* Linn.) terhadap Ayam Broiler. *Jurnal Sains Farmasi dan Klinis*, **1**: 20–26.
- Andayani, N., 2015. 'Formulasi SNEDDS (*Self-Nano Emlsifying Drug Delivery System*) Ekstrak Etanolik Dari Ekstrak Kering *Phyllanthus niruri* DE 25 Menggunakan Fase Minyak Ikan Cucut Botol, Surfaktan Tween 80, dan Kosurfaktan PEG 400', *Skripsi*, S.Far., Universitas Gadjah Mada, Yogyakarta.
- Anindhita, M.A. dan Oktaviani, N., 2016, Formulasi *Self-Nanoemulsifying Drug Delivery System* (SNEDDS) Ekstak Daun Pepaya (*Carica papaya* L.) dengan *Virgin Coconut Oil* (VCO) sebagai Minyak Pembawa. *Jurnal Pena Medika*, **6**: 103–111.

- Anonim, 2001, *Inventaris Tanaman Obat Indonesia (I) Jilid 2*. Departemen Kesehatan dan Kesejahteraan Sosial RI Badan Penelitian dan Pengembangan Kesehatan, Jakarta.
- Anonim, 2008, *Farmakope Herbal Indonesia*, I. ed. Departemen Kesehatan Republik Indonesia, Jakarta.
- Arifiani, P.K.P., 2015, 'Formulasi *Self-Nano Emulsifying Drug Delivery System* (SNEDDS) Kombinasi Frkasi Etanolik Dari Ekstrak Kering Meniran (*Phyllanthus niruri* L.) dan Temulawak (*Curcuma xanthorrhiza* Roxb.) menggunakan VCO (*Virgin Coconut Oil*) sebagai Fase Minyak', *Skripsi*, S.Far., Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Azizah, D.N., Kumolowati, E., dan Faramayuda, F., 2014, Penetapan Kadar Flavonoid Metode $AlCl_3$ Pada Ekstrak Metanol Kulit Buah Kakao (*Theobroma cacao* L.). *Kartika Jurnal Ilmiah Farmasi*, **2**: 33–37.
- Bagalkotkar, G., Sagineedu, S., Saad, M., dan Stanslas, J., 2006, Phytochemicals from *Phyllanthus niruri* Linn. and their Pharmacological Aproperties: *A Review*. *Journal of Pharmacy and Pharmacology*, **58**: 1559–1570.
- Balakumar, K., Raghavan, C.V., Selvan, N.T., Prasad, R.H., dan Abdu, S., 2013, Self-Nanoemulsifying Drug Delivery System (SNEDDS) of Rosuvastatin Calcium: Design, Formulation, Bioavailability and Pharmacokinetic Evaluation. *Colloids and Surfaces B: Biointerfaces*, **112**: 337–343.
- Beandrade, M.U., 2018, Optimasi Formula SNEDDS Ekstrak Jinten Hitam (*Nigella sativa* L.) dengan fase Minyak Ikan Hiu Cucut Botol (*Centrophorus sp*) serta Uji Aktivitas Immunostimulan. *Journal of Pharmaceutical Science and Clinical Research*, **01**: 50–61.
- Belhadj, Z., Zhang, S., Zhang, W., dan Wang, J., 2013, Formulation Development and Bioavailability Evaluation of A Self-Nanoemulsifying Drug Delivery system (SNEDDS) of Atorvastatin Calcium. *International Journal of Pharmaceutics*, **1**: 1103–1113.
- Bouchemal, K., Briançon, S., Perrier, E., dan Fessi, H., 2004, Nano-emulsion formulation using spontaneous emulsification: solvent, oil and surfactant optimisation. *International Journal of Pharmaceutics*, **280**: 241–251.
- Bratawidjaya, K.G. dan Rengganis, I., 2014, *Imunologi Dasar*, XI. ed. Fakultas Kedokteran Univeristas Indonesia, Jakarta.
- Budiputra, D.K., 2013, 'Pengembangan Formula dan Karakterisasi Nanoemulsi dan Nanosuspensi Kurkumin dalam Bentuk Gel dalam Rute Transdermal', *Tesis*, M.Si., Institut Teknologi Bandung, Bandung.

- Burmester, G.-R., Pezzutto, A., Ulrichs, T., dan Aicher, A., 2003, *Color Atlas of Immunology*, Thieme flexibook. Thieme, Stuttgart ; New York.
- Čerpnjak, K., Zvonar, A., Gašperlin, M., dan Vrečer, F., 2013, Lipid-Based Systems as A Promising Approach for Enhancing the Bioavailability of Poorly Water-Soluble Drugs. *Acta Pharmaceutica*, **63**: 427–445.
- Darmawan, K.H., Martien, R., Erlangga, N.D., Sitohang, S.M., dan Pambudi, H., 2017, Pemanfaatan Nano Ekstrak Etanolik Kombinasi Meniran (*Phyllanthus niruri* L.) dan Bawang Putih (*Allium sativum* L.) Sebagai Immunomodulator Alami dalam Pengembangan Nanoherbal, Studi *In Silico* dan *In Vitro*. *Journal of Pharmaceutical Science and Clinical Research*, **2**: 110–119.
- Deniau, A.-L., Mosset, P., Pédrone, F., Mitre, R., Bot, D.L., dan Legrand, A.B., 2010, Multiple Beneficial Health Effects of Natural Alkylglycerols from Shark Liver Oil. *Marine Drugs*, **8**: 2175–2184.
- Dey, S., Jha, S.K., Malakar, J., dan Gangopadhyay, A., 2012, Improvement of Bioavailability of Poorly Soluble Drugs through Self Emulsifying Drug Delivery System. *Journal of Pharmaceutical Sciences and Technology*, **1**: 6–11.
- Doh, H.J., Jung, Y., Balakrishnan, P., Cho, H.J., dan Kim, D.D., 2013, A Novel Lipid Nanoemulsion System for Improved Permeation of Granisetron. *Colloids and Surfaces B: Biointerfaces*, **101**: 475–480.
- Eid, A., El-Enshasy, R., Aziz, R., dan Elmarzugi, N.A., 2014, The Preparation and Evaluation of Self-Nanoemulsifying Systems Containing *Swietenia oil* and An Examination of Its Anti-Inflammatory Effects. *International Journal of Nanomedicine*, **9**: 4685–4695.
- Einien, M.A., Mahrouq, G.E., dan Elkasabgy, N., 2012, Design and *In Vitro* Evaluatuon of Olanzapine-Loaded Self Nanoemulsifying Drug Delivery System. *International Journal of Institutional Pharmacy and Life Sciences*, **2**: 12–32.
- El-Laithy, H.M., 2008, Self-Nanoemulsifying Drug Delivery System for Enhanced Bioavailability and Improved Hepatoprotective Activity of Biphenyl Dimethyl Dicarboxylate. *Current Drug Delivery*, **5**: 170–176.
- Engelen, A., Sugiyono, S., dan Budijanto, S., 2015, Optimasi Proses dan Formula pada Pengolahan Mi Sagu Kering (*Metroxylon sagu*). *Agritech*, **35**: 359–367.
- Gupta, P., Singhai, K., Jangra, A., Nautiyal, V., dan Pandey, A., 2012, Shark Liver Oil : A Review. *Asian Journal of Pharmaceutical Education and Research*, **1**: 1–15.

- Hafizah, A.U., 2014, 'Formulasi dan Uji Aktivitas Nano-herbal Anti-kolesterol dari Kombinasi Ekstrak Temulawak (*Curcuma xanthorrhiza* Roxb.) dan Sambung Nyawa (*Gynura procumbens* (Lour.) Merr.) menggunakan Virgin Coconut Oil sebagai Fase Minyak', *Tesis*, M.Sc., Universitas Gadjah Mada, Yogyakarta.
- Hajimoradi, M., Daneshmandi, S., Hassan, Z.M., dan Roudbary, M., 2009, Effect of Shark Liver Oil on Peritoneal Murine Macrophages in Responses to Killed-*Candida albicans*. *Iranian Journal of Basic Medical Sciences*, **12**: 179–183.
- Hanh, N.D., Mitrevej, A., Sathirakul, K., Peungvicha, P., dan Sinchaipanid, N., 2015, Development of Phyllanthin-Loaded Self-Microemulsifying Drug Delivery System for Oral Bioavailability Enhancement. *Drug Development and Industrial Pharmacy*, **41**: 207–217.
- Ibnul, 2012, 'Uji Komparasi Aktivitas Fagositosis Makrofag dan Produksi Nitrit Oksida pada Mencit Balb/c Akibat Perlakuan Ekstrak Meniran Hijau (*Phyllanthus niruri*) dan Meniran Merah (*Phyllanthus urinaria*) yang Diinfeksi Bakteri *Salmonella thypi*', *Tesis*, M.Sc., Pascasarjana Biosains, Universitas Sebelas Maret, Surakarta.
- Idhayu, A.T., 2006, 'Pengaruh Pemberian Polifenol Teh Hijau terhadap Sekresi Nitrit Oksida (NO) Sel Fagosit', *Skripsi*, S.Far., Fakultas Kedokteran, Universitas Diponegoro, Semarang.
- Insani, S.A., Suseno, S.H., dan Jacob, A.M., 2018, Karakterisasi *squalene* minyak hati ikan cucut hasil produksi industri rumah tangga, Pelabuhan Ratu. *Jurnal Pengolahan Hasil Perikanan Indonesia*, **20**: 494–504.
- Iqbal, M., Alam, P., dan Anwer, M.T., 2013, High Performance Liquid Chromatographic Method with Fluorescence Detection for the Estimation of Thymoquinone in *Nigella sativa* Extracts and Marketed Formulations. *Open Access Scientific Reports*, **2**: 1–6.
- Jensch-Junior, B.E., Pressinotti, L.N., Borges, J.C.S., dan da Silva, J.R.M.C., 2006, Characterization of Macrophage Phagocytosis of the Tropical Fish *Prochilodus scrofa* (Steindachner, 1881). *Aquaculture*, **251**: 509–515.
- Kassem, A.A., Marzouk, M.A., Ammar, A.A., dan Elosaily, G.H., 2010, Preparation and *In Vitro* Evaluation of Self-Nanoemulsifying Drug Delivery Systems (SNEDDS) Containing Clotrimazole. *Drug Discoveries and Therapeutics*, **4**: 373–379.
- Kassem, A.A., Mohsen, A.M., Ahmed, R.S., dan Essam, T.M., 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. *Journal of Molecular Liquids*, **218**: 219–232.

- Kobori, M., Takahashi, Y., Sakurai, M., Akimoto, Y., Tsushida, T., Oike, H., dkk., 2016, Quercetin Suppresses Immune Cell Accumulation and Improves Mitochondrial Gene Expression in Adipose Tissue of Diet-Induced Obese Mice. *Molecular Nutrition and Food Research*, **60**: 300–312.
- Kommuru, T.R., Gurley, B., Khan, M.A., dan Reddy, I.K., 2001, Self-Emulsifying Drug Delivery Dystems (SEDDS) of Coenzyme Q 10: Formulation Development and Bioavailability Assessment. *International Journal of Pharmaceutics*, **212**: 233–246.
- Kumar, R.S., Syamala, U.S., Revathi, P., Devaki, S., Raghuv eer, P., dan Gowthamarajan, K., 2013, Self Nanoemulsifying Drug Delivery System of Olanzapine for Enhanced Oral Bioavailability: *In vitro*, *In vivo* Characterisation and *In vitro-In vivo* Correlation. *Journal of Bioequivalence and Bioavailability*, **05**: 201–208.
- Levinson, W., 2014, *Review of Medical Microbiology and Immunology Thirteenth Edition*. Mc Graw Hill Education, New York.
- Mabry, T.J., Markham, K.R., dan Thomas, M.B., 1970, *The Systematic Identification of Flavonoids*. Springer Berlin Heidelberg, Berlin, Heidelberg.
- Makadia, M.H.A., Bhatt, M.A.Y., Parmar, M.R.B., Paun, M.J.S., dan Tank, D.H.M., 2013, Self-Nano Emulsifying Drug Delivery System (SNEDDS): Future Aspects. *Asian Journal of Research in Pharmaceutical Science*, **3**: 20–16.
- Mao, X., Wu, L.F., Guo, H.L., Chen, W.J., Cui, Y.P., Qi, Q., dkk., 2016, The Genus *Phyllanthus*: An Ethnopharmacological, Phytochemical, and Pharmacological Review. *Evidence-Based Complementary and Alternative Medicine*, **2016**: 1–36.
- Mellinger, C.G., Cipriani, T.R., Noletto, G.R., Carbonero, E.R., Oliveira, M.B.M., Gorin, P.A.J., dkk., 2008, Chemical and Immunological Modifications of An Arabinogalactan Present in Tea Peparations of *Phyllanthus niruri* After Treatment with Gastric Fluid. *International Journal of Biological Macromolecules*, **43**: 115–120.
- Narendra, K., Swathi, J., Sowjanya, K., dan Satya, A.K., 2012, *Phyllanthus niruri*: A Review on its Ethno Botanical, Phytochemical and Pharmacological Profile. *Journal of Pharmacy Research*, **5**: 4681–4691.
- Nurkhasanah, N. dan Zulkarmen, L.R., 2014, Efek Ekstrak Etanol Kelopak Rosela (*Hibiscus sabdariffa* L.) terhadap Sekresi Nitrit Oksida (NO) Makrofag Peritoneum Tikus yang diinduksi 7, 12-dimethylbenz (α) antracene (DMBA). *Media Farmasi*, **11**: 155–166.

- Nworu, C.S., Akah, P.A., Okoye, F.B.C., dan Esimone, C.O., 2010, Aqueous Extract of *Phyllanthus niruri* (Euphorbiaceae) Enhances the Phenotypic and Functional Maturation of Bone Marrow-Derived Dendritic Cells and their Antigen-Presentation Function. *Immunopharmacology and Immunotoxicology*, **32**: 393–401.
- Paithankar, V.V., Raut, K.S., Charde, R.M., dan Vyas, J.V., 2011., *Phyllanthus niruri*: A Magic Herb. *Research in Pharmacy*, **1**: 1–9.
- Pangestika, S.S., 2015, 'Aktivitas Imunomodulator Kombinasi Ekstrak Etanolik Umbi Keladi Tikus (*Typhonium flagelliforme* (Lodd.) Blume) dan Meniran (*Phyllanthus niruri* L.) terhadap Fagositosis Makrofag, Proliferasi Limfosit, dan Titer Antibodi secara *In Vivo*', *Skripsi*, S.Far., Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Parmar, N., Singla, N., Amin, S., dan 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, J., Kevin, G., Patel, A., Raval, M., dan Sheth, N., 2011a, Design and Development of A Self-Nanoemulsifying Drug Delivery System for Telmisartan for Oral Drug Delivery. *International Journal of Pharmaceutical Investigation*, **1**: 112–118.
- Patel, J., Patel, A., Raval, M., dan Sheth, N., 2011b, Formulation and Development of A Self-Nanoemulsifying Drug Delivery System of Irbesartan. *Journal of Advanced Pharmaceutical Technology and Research*, **2**: 9–16.
- Patel, M.J. dan Patel, S.S., 2013, Optimization of Lovastatin Self-Nanoemulsifying Solid Dosage Form. *Ars Pharmaceutica*, **54**: 7–15.
- Pękal, A. dan Pyrzynska, K., 2014, Evaluation of Aluminium Complexation Reaction for Flavonoid Content Assay. *Food Analytical Methods*, **7**: 1776–1782.
- Pol, A.S., Patel, P.A., dan Hegde, D., 2013, Peppermint Oil Based Drug Delivery System of Aceclofenac with Improved Anti-Inflammatory Activity and Reduced Ulcerogenicity. *International Journal of Pharma Bioscience and Technology*, **1**: 89–101.
- Preethi, N.N. dan Rajeshwari, P., 2014, An Overview on Immunomodulators. *International Journal of Current Pharmaceutical and Clinical Research*, **4**: 108–114.

- Priani, S.E., Nurrayyan, dan Darusman, F., 2017, Formulasi *Self Nanoemulsifying Drug Delivery System* (SNEDDS) Glimepirid dengan Fasa Minyak Asam Oleat. *Pharmaciana*, **7**: 267–276.
- Pribadi, F.H., 2016, 'Formulasi dan Uji Aktivitas Antihiperlipidemia SNEDDS Ekstrak Terpurifikasi *Curcuma xanthorrhiza* Roxb. menggunakan Minyak Miglyol® 812N pada Tikus Resisten Insulin', *Tesis*, M.Sc., Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Purnomo, E.H., Sitanggang, A.B., Agustin, D.S., Hariyadi, P., dan Hartono, S., 2012, Formulation and Process Optimization of Muffin Produced from Composite Flour of Corn, Wheat and Sweet Potato. *Jurnal Teknologi dan Industri Pangan*, **22**: 165–172.
- Rahayu, K.P., 2015, 'Pengaruh Kombinasi Ekstrak Etabolik Daun Sirih Merah (*Piper crocatum* Ruiz & Pav), Umbi Keladi Tikus (*Typhonium flagelliforme* (Lodd.) Blume), dan Herba Meniran (*Phyllanthus niruri* Linn.) terhadap Proliferasi Sel Limfosit Tikus secara *In Vivo*', *Skripsi*, S.Far., Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Rao, S.V.R. dan Shao, J., 2008, Self-Nanoemulsifying Drug Delivery Systems (SNEDDS) for Oral Delivery of Protein Drugs. *International Journal of Pharmaceutics*, **362**: 2–9.
- Reddy, M.S. dan Sowjanya, N., 2015, Formulation and *In Vitro* Characterization of Solid Self Nanoemulsifying Drug Delivery System (S-SNEDDS) of Simvastatin. *Journal of Pharmaceutical Sciences and Research*, **7**: 40–48.
- Rivai, H., Sari, D.P., dan Rizal, Z., 2012, Isolasi dan Karakterisasi Flavonoid Antioksidan dari Herba Meniran (*Phyllanthus niruri* L.). *Jurnal Farmasi Higea*, **4**: 100–111.
- Rivera, L., Morón, R., Sánchez, M., Zarzuelo, A., dan Galisteo, M., 2008, Quercetin Ameliorates Metabolic Syndrome and Improves the Inflammatory Status in Obese Zucker Rats. *Obesity*, **16**: 2081–2087.
- Rowe, R.C., Sheskey, P.J., dan Quinn, M.E. (Editor), 2009, *Handbook of Pharmaceutical Excipients : Sixth Edition*, 6th ed. Pharmaceutical Press ; American Pharmacists Association, London: Washington, DC.
- Sagar, K., Kendre, P., Pande, V., dan Chaudhari, V., 2014, Design, Development and Characterization Self-Nanoemulsifying Drug Delivery System (SNEDDS) of Nateglinide. *World Journal of Pharmacy and Pharmaceutical Sciences*, **3**: 794–811.
- Sakthi M, U., Lobo F., J.R., dan Uppuluri, K.B., 2013, Self Nano Emulsifying Drug Delivery Systems for Oral Delivery of Hydrophobic Drugs. *Biomedical and Pharmacology Journal*, **6**: 355–362.

- Sapra, K., Sapra, A., Singh, S.K., dan Kakkar, S., 2012, Self Emulsifying Drug Delivery System: A Tool in Solubility Enhancement of Poorly Soluble Drugs. *Indo Global Journal of Pharmaceutical Sciences*, **2**: 313–332.
- Saroj, P., Verma, M., Jha, K., dan Pal, M., 2012, An Overview on Immunomodulation. *Journal of Advanced Sscientific Research*, **3**: 7–12.
- Sarpal, K., Pawar, Y.B., dan Bansal, A.K., 2010, Self-Emulsifying Drug Delivery Systems: A Strategy to Improve Oral Bioavailability. *Current Research and Information on Pharmaceutical Sciences*, **11**: 42–49.
- Satria, A.B., 2016, 'Uji Antiinflamasi *Self-Nanoemulsifying Drug Delivery* (SNEDDS) Ketoprofen dengan Asma Oleat sebagai Fase Minyak, Tween 20 sebagai Surfaktan dan Propilen glikol sebagai Kosurfaktan', *Skripsi*, S.Far., Universitas Gadjah Mada, Yogyakarta.
- Sawitri, E., Riwanto, I., Tjahjono, T., dan Dharmana, E., 2013, Pengaruh Pemberian Ekstrak *Phyllanthus niruri* Linn Terhadap Infiltrasi Limfosit dan Ekspresi Perforin pada Kanker Kolon Tikus *Sprague-Dawley*. *Media Medika Indonesiana*, **47**: 1–10.
- Shahba, A.A.-W., Mohsin, K., dan Alanazi, F.K., 2012, Novel Self-Nanoemulsifying Drug Delivery Systems (SNEDDS) for Oral Delivery of Cinnarizine: Design, Optimization, and *In Vitro* Assessment. *American Association of Pharmaceutical Scientists Pharmaceutical Sciences and Technology*, **13**: 967–977.
- Sriningsih dan Wibowo, A.E., 2009, Efek Immunostimulan Ekstrak Meniran (*Phyllanthus niruri* L.) secara *In Vivo* pada Tikus. *Jurnal Bahan Alam Indonesia*, **7**: 15–18.
- Srinivas, K., King, J.W., Howard, L.R., dan Monrad, J.K., 2010, Solubility and Solution Thermodynamic Properties of Quercetin and Quercetin Dihydrate in Subcritical Water. *Journal of Food Engineering*, **100**: 208–218.
- Sun, H., Yang, R., Wang, J., Yang, X., Tu, J., Xie, L., dkk., 2017, Component-Based Biocompatibility and Safety Evaluation of Polysorbate 80. *Royal Society of Chemistry Advances*, **7**: 15127–15138.
- Sun, J., Zhang, X., Broderick, M., dan Fein, H., 2003, Measurement of Nitric Oxide Production in Biological Systems by using Griess Reaction Assay. *Sensors*, **3**: 276–284.
- Tjahajati, I., 2007, Vaksinasi BCG Meningkatkan Aktivitas Makrofag dalam Sekresi *Reactive Oxygen Intermediate* (ROI) pada Anjing yang Diinfeksi *Mycobacterium tuberculosis*. *Media Kedokteran Hewan*, **23**: 173–178.

- Tjahajati, I., 2013, Vaksinasi BCG Meningkatkan Aktivitas Fagositosis dan Sekresi *Reactive Oxygen Intermediate* (ROI) pada Makrofag Peritoneum Kucing yang Diinfeksi dengan *Mycobacterium tuberculosis*. *Jurnal Kedokteran Brawijaya*, **21**:1-8.
- Tjandrawinata, R.R., Susanto, L.W., dan Nofiarny, D., 2017, The use of *Phyllanthus niruri* L. as An Immunomodulator for the Treatment of Infectious Diseases in Clinical Settings. *Asian Pacific Journal of Tropical Disease*, **7**: 132–140.
- Tran, T.H., Guo, Y., Song, D., Bruno, R.S., dan Lu, X., 2014, Quercetin-Containing Self-Nanoemulsifying Drug Delivery System for Improving Oral Bioavailability. *Journal of Pharmaceutical Sciences*, **103**: 840–852.
- United States Pharmacopeial Convention, 2006, *United States Pharmacopeia 30 / National Formulary 25*. United States Pharmacopeial Convention.
- Verma, H., Prasad, S.B., dan Yashwant, S.H., 2013, Herbal Drug Delivery System: A Modern Era Prospective. *International Journal of Current Pharmaceutical Review and Research*, **4**: 88–101.
- Vilas, P.C., Gujarathi, N.A., Rane, B.R., dan Pawar, S.P., 2014, Preparation and *In Vitro* Evaluation of Self-Nanoemulsifying Drug Delivery System (SNEDDS) Containing Clopidogrel. *International Journal of Pharmaceutical Sciences Review and Research*, **25**: 10–15.
- Wadhwa, J., Nair, A., dan Kumria, R., 2011, Self-Emulsifying Therapeutic System: A Potential Approach for Delivery of Lipophilic Drugs. *Brazilian Journal of Pharmaceutical Sciences*, **47**: 447–465.
- Wahyuningsih, I., 2017, 'Formulasi *Self-Nanoemulsifying Drug Delivery System* (SNEDDS) Furosemid: Studi Parameter Fisikokimia, Bioavailabilitas, Efek Diuretik, dan Toksisitas', *Disertasi*, Dr., Universitas Gadjah Mada, Yogyakarta.
- Wahyuningsih, I., Sugiyanto, Yuswanto, A., dan Martein, R., 2015, 'Uji Kelarutan untuk Seleksi Fase Minyak, Surfaktan dan Kosurfaktan dalam *Self-Nanoemulsifying Drug Delivery System* (SNEDDS) Furosemid', Dipresentasikan pada Seminar Nasional Peluang Herbal Sebagai Alternatif Medicine, Fakultas Farmasi Universitas Wahid Hasyim, Semarang, hal. 99–104.
- Wang, W., Sun, C., Mao, L., Ma, P., Liu, F., Yang, J., dkk., 2016, The Biological Activities, Chemical Stability, Metabolism and Delivery Systems of Quercetin: A Review. *Trends in Food Science and Technology*, **56**: 21–38.

- Wankhade, V., Tapar, K., Pande, S., dan Bobade, N., 2010, Design and Evaluation of Self-Nanoemulsifying Drug Delivery Systems (SNEDDS) for Gliclazide. *Scholars Research Library Der Pharmacia Lettre*, **2**: 132–143.
- Wibisono, D.A., 2017, 'Optimasi Formula SNEDDS (Self-Nanoemulsifying Drug Delivery System) Vitamin D3', *Skripsi*, S.Far., Universitas Gadjah Mada, Yogyakarta.
- Wulandari, E., Alverina, A., dan Martien., R., 2016, SNEDDS (Self-Nanoemulsifying Drug Delivery System) Formulation of β -Carotene in Olive Oil (*Olea europaea*). *International Journal of Advanced Research*, **4**: 1031–1043.
- Yadav, P.S., Yadav, E., Verma, A., dan Amin, S., 2014, Development, Characterization, and Pharmacodynamic Evaluation of Hydrochlorothiazide Loaded Self-Nanoemulsifying Drug Delivery Systems. *The Scientific World Journal*, **2014**: 1–10.
- Zaerosa, N.F., 2016, 'Pengembangan *Self-Nanoemulsifying Drug Delivery System* (SNEDDS) Piroksikam Menggunakan Fase Minyak', *Skripsi*, S.Far., Universitas Ahmad Dahlan, Yogyakarta.
- Zalizar, L., 2013, Flavonoids of *Phyllanthus niruri* as Immunomodulators A Prospect to Animal Disease Control. *ARPJN Journal of Science and Technology*, **3**: 529–532.
- Zhang, X., Goncalves, R., dan Mosser, D.M., 2008, The Isolation and Characterization of Murine Macrophages, dalam: Coligan, J.E., Bierer, B.E., Margulies, D.H., Shevach, E.M., dan Strober, W. (Editor), *Current Protocols in Immunology*. John Wiley & Sons, Inc., Hoboken, NJ, USA.
- Zhao, Y., Wang, C., Chow, A.H., Ren, K., Gong, T., Zhang, Z., dkk., 2010, Self-Nanoemulsifying Drug Delivery System (SNEDDS) for Oral Delivery of Zedoary Essential Oil: Formulation and Bioavailability Studies. *International Journal of Pharmaceutics*, **383**: 170–177.