

DAFTAR PUSTAKA

- Abou-Donia, A. H., Toaima, S. M., Hammada, H. M. dan Shawky, E., 2006. Determination of Rutin in *Amaryllis belladonna* L. Flowers by HPTLC and Spectrophotometry. *Chromatographia*, pp. 109-112.
- Ahuja, N., 2007. Studies on dissolution enhancement and mathematical modeling of drug release of a poorly water-soluble drug using water-soluble carriers. *European Journal of Pharmaceutics and Biopharmaceutics*, pp. 26-38.
- Ahuja, N., Katare, O. P. dan Singh, B., 2007. Studies on dissolution enhancement and mathematical modeling of drug release of a poorly water-soluble drug using water-soluble carriers. *European Journal of Pharmaceutics and Biopharmaceutics*, pp. 26-38.
- Al-Dhabi, N. A., 2015. AN UP-TO-DATE REVIEW OF RUTIN AND ITS BIOLOGICAL AND PHARMACOLOGICAL ACTIVITIES. *EXCLI*.
- Ansari, M. T., 2010. Physicochemical Characterization of Artemether Solid Dispersions with Hydrophilic Carriers by Freeze Dried and Melt Methods. *Archive of Pharmacal Research*, pp. 901-910.
- Attwood, D. dan Florence, A. T., 2008. *Fast Track Physical Pharmacy*. London: Pharmaceutical Press.
- Azimova, S. S. penyunt., 2013. *Natural Compounds: Flavonoids*. London: Springer.
- Baghel, S., Cathcart, H. dan O'Reilly, N. J., 2016. Polymeric Amorphous Solid Dispersions: A Review of Amorphization, Crystallization, Stabilization, Solid-State Characterization, and Aqueous Solubilization of Biopharmaceutical Classification System Class II Drugs. *Journal of Pharmaceutical Sciences*, pp. 1-18.

- Buchner, N., Krumbein, A., Rohn, S. dan Kroh, L. W., 2006. Effect of thermal processing on the flavonols rutin and quercetin. *RAPID COMMUNICATIONS IN MASS SPECTROMETRY*, pp. 3229-3235.
- Chieng, N., Rades, T. dan Aaltonen, J., 2011. An overview of recent studies on the analysis of pharmaceutical polymorphs. *Journal of Pharmaceutical and Biomedical Analysis*, pp. 618-644.
- Chokshi, R. J. *et al.*, 2007. Improving the Dissolution Rate of Poorly Water Soluble Drug by Solid Dispersion and Solid Solution—Pros and Cons. *Drug Delivery*.
- Davies, C. dan Bermudez, J. M., 2018. Preparation and Characterization of Poloxamer 407 Solid Dispersions as an Alternative Strategy to Improve Benznidazole Bioperformance. *Journal of Pharmaceutical Sciences*.
- Du, G.-H., 2018. *Natural Small Molecule Drugs from Plants*. Beijing: Springer.
- Dugar, R. P., 2015. Fusion Method for Solubility and Dissolution Rate Enhancement of Ibuprofen Using Block Copolymer Poloxamer 407. *PharmSciTech*.
- El-Nabarawi, M. A., El-Miligi, M. F. dan Khalil, I. A., 2012. OPTIMIZATION OF CLASS II BCS DRUG USING SOLID DISPERSION TECHNIQUE. *International Journal of Pharmacy and Pharmaceutical Sciences*, pp. 554-571.
- Fahr, A. dan Liu, X., 2007. Drug Delivery Strategies for Poorly Water-soluble Drugs. *Expert Opinion on Drug Delivery*, pp. 403-416.
- Fong, S. Y., 2015. Solubility enhancement of BCS Class II drug by solid phospholipid dispersions: spray drying versus freeze-drying. *International Journal of Pharmaceutics*.

- Gabbot, P., penyunt., 2008. *Principles and Applications of Thermal Analysis*. New Delhi: Blackwell Publishing.
- Guns, S., 2011. Comparison Between Hot-Melt Extrusion and Spray-Drying for Manufacturing Solid Dispersions of the Graft Copolymer of Ethylene Glycol and Vinylalcohol. *Pharmaceutical Research*, pp. 673-682.
- Guo, R. dan Wei, P., 2008. Studies on the antioxidant effect of rutin in the microenvironment of cationic micelles. *Microchimica Acta*, pp. 233-239.
- Guoying, Z., 2012. Effects of solid dispersion and self-emulsifying formulations on the solubility, dissolution, permeability and pharmacokinetics of isorhamnetin, quercetin and kaempferol in total flavones of Hippophae rhamnoides L.. *Drug Development and Industrial Pharmacy*, pp. 1-9.
- Harrison, R., penyunt., 1993. *Protein Purification Process Engineering*. London: CRC Press.
- Hosseinzadeh, H. dan Nassiri-Asl, M., 2014. Review of the protective effects of rutin on the metabolic function as an important dietary flavonoid. *Italian Society of Endocrinology*.
- Kabanov, A. V., 2002. Pluronic block copolymers as novel polymer therapeutics for drug and gene delivery. *Journal of Controlled Release*, pp. 189-212.
- Kamalakkannan, V., Puratchikody, A., Masilamani, K. dan Senthilnathan, B., 2010. Solubility enhancement of poorly soluble drugs by solid dispersion technique – A review. *Journal of Pharmacy Research*, pp. 2314-2321.
- Krewson, C. F. dan Naghski, J., 1952. Some Physical Properties of Rutin. *JOURNAL OF THE AMERICAN PHARMACEUTICAL ASSOCIATION*, Volume 41, pp. 582-587.

- Kumar, S., 2013. Drug Carrier Systems for Solubility Enhancement of BCS Class II Drugs: A Critical Review. *Therapeutic Drug Carrier Systems*, pp. 217-256.
- Lever, T. *et al.*, 2014. ICTAC nomenclature of thermal analysis(IUPAC Recommendations 2014). *Pure Applied Chemistry*, pp. 545-553.
- Liu S. F., 2013. Sensitive Fluorometric Method for the Determination of Rutin in Combined Tablet Dosage Form. *Indian journal of pharmaceutical sciences*, pp. 614-618.
- Liu, R., 2018. *Water-Insoluble Drug Formulation*. New York: CRC Press.
- Liu, X., Feng, X., Williams III, R. O. dan Zhang, F., 2017. Characterization of amorphous solid dispersions. *Journal of Pharmaceutical Investigation*, pp. 19-41.
- Mahajan, H. S. dan Bhalkar, K. G., 2017. Development and Evaluation of Rutin-HP CD Inclusion Complex Based. *International Journal of Pharmaceutical Sciences and Developmental Research*.
- Newa, M. *et al.*, 2007. Preparation, characterization and in vivo evaluation of ibuprofen binary solid dispersions with poloxamer 188. *International Journal of Pharmaceutics*, pp. 228-237.
- Park, S. H., Song, I. S. dan Choi, M. K., 2016. Preparation and Characterization of Quercetin-Loaded Solid Dispersion by Solvent Evaporation and Freeze-Drying Method. *Mass Spectrometry Letters*.
- Potkule, M. E., Savkare, A. D., Sarode, S. K. dan Kalaskar, P. S., 2017. SOLID DISPERSION: A REVIEW. *Indo American Journal of Pharmaceutical Research*, pp. 7979-7986.
- Qian, F., Huang, J. dan Hussain, M. A., 2010. Drug–Polymer Solubility and Miscibility: Stability Consideration and Practical Challenges in Amorphous Solid Dispersion Development. *JOURNAL OF PHARMACEUTICAL SCIENCES*, pp. 2941-2947.

- Rey, L. dan May, J. C., 2010. *Freeze-Drying Lyophilization Of Pharmaceutical And Biological Products*. London: Informa.
- Rowe, R. C., Sheskey, P. J. dan Quinn, M. E., 2009. *Handbook of Pharmaceutical Excipients*. London: Pharmaceutical Press.
- Sapkal, S., 2013. An Overview On The Mechanisms Of Solubility And Dissolution Rate Enhancement In Solid Dispersion. *International Journal of PharmTech Research*, pp. 31-39.
- Savjani, K. A., 2012. Drug Solubility: Importance and Enhancement Techniques. *International Scholarly Research Network*.
- Shah, N., Sandhu, H., Choi, D. S. dan Chokshi, H., 2014. *Amorphous Solid Dispersion: Theory and Practice*. London: Springer.
- Sharma, A., Jain, C. P. dan Tanwar, Y. S., 2013. PREPARATION AND CHARACTERIZATION OF SOLID DISPERSIONS OF CARVEDILOL WITH POLOXAMER 188. *Journal of the Chilean Chemical Society*, pp. 1553-1557.
- Sharma, S., 2013. Rutin: therapeutic potential and recent advances in drug delivery. *Expert Opinion on Investigational Drug*, 22(8), pp. 1063-1079.
- Singh, D., 2012. Rutin-Phospholipid Complex: An Innovative Technique in Novel Drug Delivery System- NDDS. *Current Drug Delivery*, pp. 305-314.
- Singh, S., Baghel, R. S. dan Yadav, L., 2011. A review on solid dispersion. *INTERNATIONAL JOURNAL OF PHARMACY AND LIFE SCIENCES*, pp. 1078-1095.
- Sinko, P. J. penyunt., 2006. *Martin's Physical Pharmacy and Pharmaceutical Sciences*. Philadelphia: Lippincott Williams dan Wilkins.

- Sridhar, I. *et al.*, 2013. Solid Dispersions: an Approach to Enhance Solubility of poorly Water Soluble Drug. *Journal of Scientific and Innovative Research*, pp. 685-694.
- Srinarong, P., Waard, H. d., Frijlink, H. W. dan Hinrichs, W. L., 2011. Improved dissolution behavior of lipophilic drugs by solid dispersions: the production process as starting point for formulation consideration. *Expert Opinion on Drug Delivery*, pp. 1121-1140.
- Sweetman, S. C., 2009. *Martindale: The Complete Drug Reference*. London: Pharmaceutical Press.
- Szafraniec, J., 2019. The Self-Assembly Phenomenon of Poloxamers and Its Effect on the Dissolution of a Poorly Soluble Drug from Solid Dispersions Obtained by Solvent Methods. *Pharmaceutics*.
- Takeuchi, I. *et al.*, 2015. Estimation of crystallinity of nifedipine–polyvinylpyrrolidone solid dispersion by usage of terahertz time-domain spectroscopy and of X-ray powder diffractometer. *Journal of Pharmaceutical Science*, pp. 4307-4313.
- Tran, P. e. a., 2019. Overview of the Manufacturing Methods of Solid Dispersion Technology for Improving the Solubility of Poorly Water-Soluble Drugs and Application to Anticancer Drugs. *Journal of Pharmaceutics*, p. 132.
- U.S. Department of Health and Human Services, 2017. *Waiver of In Vivo Bioavailability and Bioequivalence Studies for Immediate-Release Solid Oral Dosage Forms Based on a Biopharmaceutics Classification System*. New Hampshire: U.S. Department of Health and Human Services.
- Urb´an-Morl´an, Z., 2008. Determination of poloxamer 188 and poloxamer 407 using high-performance thin-layer chromatography in pharmaceutical formulations. *Journal of Pharmaceutical and Biomedical Analysis*, pp. 799-803.

- Xu, H. *et al.*, 2010. Determination of Rutin with UV-Vis Spectrophotometric and Laser-Induced Fluorimetric Detections Using a Non-Scanning Spectrometer. *Analytical Letters*, pp. 893-904.
- Young, C. dan Goodwin, A., 2011. Applications of pair distribution function methods to contemporary problems in materials chemistry. *Journal of Material Chemistry*, pp. 6464-6476.
- Younis, M. A., 2017. SOLID DISPERSION TECHNOLOGY, A CONTEMPORARY OVERVIEW ON A WELL ESTABLISHED TECHNIQUE. *Universal Journal of Pharmaceutical Research*.
- Zhou, Q., Sun, S., Liang, X. dan Yang, X., 2000. Real Time Monitor of Rutin Stability during Heating by Fourier Transform Infrared Spectroscopy. *Guang pu xue yu guang pu fen xi = Guang pu*, p. 195.