

DAFTAR PUSTAKA

- Abdou, H.M. 1989. *Dissolution, Bioavailability and Bioequivalence*. Pennsylvania: Mark Publishing Company Easton.
- Alatas, F., Soewandhi, S.N., Sasongko, L., Ismunandar, & Uekusa, H. 2013. Cocrystal formation between didanosine and two aromatic acids. *Int J Pharm and Pharm Sci*, 5, 275-280.
- Ankit, M., Manish, Y., & Dinesh, C. 2014. Solid dispersion: A technique to improve solubility of poorly water soluble drug. *Indo Am J Pharm Res*, 4(6), 2855-66.
- Ansel, Howard C. 2008. *Pengantar Bentuk Sediaan Farmasi*. Jakarta: UI Press.
- Banakar, U.V. 1991. *Pharmaceutical dissolution testing*. New York: Marcel Dekker Inc.
- Barzegar-Jalali, M., Valizadeh, H., Shadbad, M. R. S., Adibkia, K., Mohammadi, G., Farahani, A., ... & Nokhodchi, A. 2010. Cogrounding as an approach to enhance dissolution rate of a poorly water-soluble drug (gliclazide). *Powder Technology*, 197(3), 150-158.
- Beckett, A.H., Stenlake, J.B. 1988. *Practical Pharmaceutical Chemistry* 3rd Ed. London: the Antlone Press
- British Pharmacopoeia Commission. 2009. *British Pharmacopoeia 2009*. London: The Pharmaceutical Press.
- Chiou, W.L., & Riegelman, S. 1971. Pharmaceutical Applications of Solid Dispersion Sistem. *J. Pharm. Sci*, 60 (9), 1281-1302.
- Chivate, N., Anuradha, C., Shubhangi, S., & Jagdish, S. 2013. Improvement of bioavailability and solubility of telmisartan by solid dispersion technique using various carriers. *Int. J. Pharm. Sci. Rev. Res.*, 19(2), 36-41.
- Chono, S., Takeda, E., Seki, T., & Marimoto, K. 2008. Enhancement of the Dissolution Rate and Gastrointestinal Absorption of Prankulast as a Model Poorly Water Soluble Drug by Grinding with Gelatin. *Int J Pharm.*, 347, 71-78.
- Chowdary, K.P.R., & Naresh, A. 2012. A Factorial Study on the Effect of HP β Cyclodextrin, PVP K30, and SLS on the Solubility and Dissolution Rate of Efavirenz. *Int J Of Applied Biology And Pharmaceutical Technology*, 2(4), 228-234.
- Dachriyanus. 2004. *Analisis Struktur Senyawa Organik secara Spektroskopi*. Padang: Universitas Andalas.
- Departemen Kesehatan Republik Indonesia. 1995. *Farmakope Indonesia IV*. Jakarta : Departemen Kesehatan Republik Indonesia.
- Departemen Kesehatan Republik Indonesia. 2014. *Farmakope Indonesia V.* Jakarta : Departemen Kesehatan Republik Indonesia.
- Fessenden & Fessenden. 1986. *Kimia Organik* (3th ed). Jakarta: Erlangga

- Friedrich, H., Nada, A., & Bodmeir, R. 2005. Solid state and dissolution rate characterization of co-ground mixture of nifedipine and hydrophilic carriers. *Drug Development Industrial Pharmacy*, 31, 719-728.
- Garg, A., Singh, S., Rao, V. U., Bindu, K., & Balasubramaniam, J. 2009. Solid state interaction of raloxifene HCl with different hydrophilic carriers during co-grinding and its effect on dissolution rate. *Drug development and industrial pharmacy*, 35(4), 455-470.
- Grag, A., Singh, S., Rao, V. U., Bindu, K., & Balasubramaniam, J. 2009. Solid state interaction of raloxifene HCL with different hydrophilic carriers during co-grinding and its effect on dissolution rate, *Drug Development Industrial Pharmacy*, 35, 455-470.
- Higuchi, T. & Connors, A.K. 1965. Phase-Solubility Techniques. *Adv. Anal. Chem. Instrum.* 4: 117-212.
- HSDB. *Valsartan*: Final Authorized, diakses pada tanggal 19 juni 2016 dari <http://toxnet.nlm.nih.gov/cgi-bin/sis/search/r?dbs+hsdb:term+@rn+@rel+137862-53-4>.
- Kalia, A. & Mayur P.. 2011. Solid Dispersion: An Approach Toward Enhancing Dissolution Rate. *Int J. Pharm and Pharm Sci*, Vol 3, 9- 19
- Khopkar, S.M. 1990. *Konsep Dasar Kimia Analitik*. Jakarta : UI Press.
- Koh, P.T., J. N. Chuah., Meghna. T., A. Gorajana., & S. Garg. 2013. Formulation Development and Dissolution Rate Enhancement of Efavirenz by Solid Dispersion Systems. *Indian J Pharm Sci*, 75(3), 291–301.
- Lakshmi, Kumara, S.S., & Agaiah, G. 2013. Preparation and characterization of mouth dissolving films of valsartan solid dispersion. *J. Adv Pharm Sci*, Vol 3, 415- 427.
- Leuner, C., & Dressman, J. 2000. Improving drug solubilty for oral delivery using solid dispersions. *European J. of Pharm and Biopharm*, 50, 47-60.
- Martin, A., Swarbrick, J., & Cammarat, A. 1993. *Farmasi Fisika: Dasar-dasar Farmasi Fisik dalam Ilmu Farmasetik*. Jakarta: UI Press.
- McEvoy, Gerald K.. 2011. *AHFS Drug Information*. Amerika: American Society of Health-Sistem Pharmacists.
- Nikghalb, L. A., Singh, G., Singh, G., & Kahkeshan, K. F. 2012. Solid dispersion: methods and polymers to increase the solubility of poorly soluble drugs. *J. Appl Pharm Sci*, 2(10), 170-175.
- Pubchem. *Valsartan*: Final Authorized, diakses pada tanggal 17 februari 2016 dari <http://pubchem.ncbi.nlm.nih.gov/compound/valsartan>.
- Rajeswari, Raja, Abdullu & Shudakar M., 2011. Development, characterization and solubility study of solid dispersion of Valsartan. *J. Chem & Pharm Res*. 3(1). 180- 187.

- Raviteja , P., S. Muralidhar, R. Ramesh, T.V. Narayana, P. Vasantha & G. Vijay. 2013. Formulation and Evaluation of Valsartan Fast Disintegrating Tablets Using Solid Dispersion Technique. *Int J. of Inn Pharm Res.* 4(1), 274- 280.
- Rowe, R.C., Sheskey, P.J., & Quinn, M.E .2009. *Handbook of pharmaceutical excipient*, 6nd edition. London: The Pharmaceutical Press.
- Shargel, L., & Yu, A.B.C. 1999. *Applied Biopharmaceutics and Pharmacokinetics* 4th edition. New York: Appleton & Lange.
- Shargel, L., Wu-Pong, S., & Yu, A.B.C. 2012. *Biofarmasetika dan Farmakokinetika Terapan*. Terjemahan oleh Budi Suprpti, Edisi Kelima. Surabaya:Airlangga University Press.
- Spence, J.K., Bhattachar, S.N., Wesley, J.A., & Babu, S.R. 2005. Increased Dissolution Rate and Bioavailability Through Comicronization with Microcrystalline Cellulose. *Pharmaceutical Development and Technology.* 10: 451-460.
- Sridhar, I., Abha, D., Bhagyashri, J., Vandana, W., & Jesal, D. 2013. Solid Dispersions: an Approach to Enhance Solubility of poorly Water Soluble Drug. *J Sci & Inn Res* , 2 (3), 685-694.
- Swabrick, J. & James, C.B. 1990. *Encyclopedia of Pharmaceutical Technology, Vol. 3.* New York : Marcel Dekker Inc.
- Sweetman, S. C. 2009. Martindale. London: Pharmaceutical Press.
- Syamsuni. 2007. *Farmasetika Dasar dan Hitungan Farmasi*. Jakarta : EGC Press.
- Troy, D. 2005. *Remington: The Science and Practice of Pharmacy* 21st Edition. Philadelphia: Lippincot William and Wilkins.
- United States Pharmacopoeia. 2007. *The Official Compendia of Standards United States Pharmacopeia (30th)–National Formulary (25th ed)*. New York: USP Convention.
- USP Medicines compendium. *Valsartan: Final Authorized*, diakses pada tanggal 5 November 2015 dari http://mc.usp.org/monographs/valsartan_-2-0.
- Venkates, K., Arunkumar, Verma & C. Rani. 2009. Preparation and *in vitro* characterization of valsartan solid dispersions using skimmed milk powder as carrier. *Int J Of PharmTech Res.* Vol.1, 431- 437.
- World Health Organization. 2007. *Valsartan : Final Text for Addition to the International Pharmacopoeia*. Switzerland: The Word Health Organization.
- Wu, K., Jing, L., Wayne, W., & Denita, A.W. 2008. Formation and Characterization of Solid Dispersions of Piroxicam and Polyvinylpyrrolidone Using Spray Drying and Precipitation with Compressed Antisolvent. *Johnson and Johnson Pharmaceutical Research and Development*, 98(7), 2422-2431.

- Xu, W., Yan, L., Li-li, S., Jing, H., Qing, R.. 2014. In Vitro Dissolution And Physicochemical Characterizations Of Novel PVP-based Solid Dispersions Containing Valsartan Prepared By A Freeze-Drying Method. *Pak. J Pharm Sci.*Vol. 27,1799- 1804
- Zaini, E., Sumirtaputra, Y.C., Soewandhi, S.N., and Halim, A. (2008). Formation of Cocystal between Trimethoprim and Sulfamehtoxazole by Solid State Grinding. *Proceeding Asean Scientific Conference in Pharmaceutical Technology*, USM Penang Malaysia.
- Zaini, E., Yeyet, C.S., Soewandhi, S.N., & Halim, A. 2010. Identifikasi interaksi fisika antara trimetoprim dan sulfametoksazol dengan metode kontak Kofler dan reaksi kristalisasi. *Majalah Farmasi Indonesia.*, 211, 32-39.
- Zaini,E., Halim, A., Soewandhi, S.N. & Setyawan,D. (2011). Peningkatan Laju Pelarutan Trimetoprim Melalui Metode Ko-kristalisasi dengan Nikotinamida.*Jurnal Farmasi Indonesia*,5,205-212.
- Zhong, L., Zhu, X., Luo, X., & Su, W. 2013. Dissolution properties and physical characterization of telmisartan–chitosan solid dispersions prepared by mechanochemical activation. *AAPS PharmSciTech*, 14(2), 541-550.

