

## DAFTAR PUSTAKA

- Abdou, H.M. (1989). *Dissolution, Bioavailability and Bioequivalence*. Pennsylvania: Mark Publishing Company Easton.
- Ansel, Howard C. (2011). *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., Arash, Z., & Nokhodchi, A. (2010). Co-grinding as an approach to enhance dissolution rate of a poorly water-soluble drug (gliclazide). *Powder Technology*, 197(3), 150-158.
- Bekers, O., Uijtendaal, E.V., Beijnen, J.H, Bult, A., & Underberg, W.J.M. (1991). Cyclodextrin in the Pharmaceutical Field. *Drug Development and Industrial Pharmacy*. 17(11): 1503-1549.
- Bhise, S., Mathure D., Patil, M. V. K., & Patankar, R.D. (2011). Solubility enhancement of antihypertensive agent by solid dispersion technique. *International journal of pharmacy & life sciences*, 2(8), 791-796.
- Borba, P.A.A., Pinotti M., Andrade, G. R. S., Baerra da Costa Jr, N., Junior. L. R. O., Fernandes, D., Maduro De Campos, C. E., & Stuzel, H. K. (2015). The effect of mechanical grinding on the formation, crystalline changes and dissolution behavior of the inclusion complex of telmisartan and  $\beta$ -cyclodextrins. *Carbohydrate Polymers*, 133, 373-383
- British Pharmacopoeia Commision. (2013). *British Pharmacopoeia 2013*. London: The Pharmaceutical Press.
- Chavhan, V, Lawande, R., Salunke, J. Ghante, M. Jagtap, S. (2013). UV Spectrophotometric Method Development And Validation For Telmisartan In Bulk And Tablet Dosage Form. *Asian J Pharm Clin Res*, 6(4), 19-21.
- Chiou, W.L., & Riegelman, S. (1971). Pharmaceutical Applications of Solid Dispersion System. *Journal of Pharmaceutical Science.*, 60(9), 1281-1302.
- Dachriyanus. (2004). *Analisis Struktur Senyawa Organik Secara Spektroskopi*. Padang: Andalas University Press
- Departemen Kesehatan RI. (1979). *Farmakope Indonesia Edisi IV*. Jakarta: Departemen Kesehatan Republik Indonesia.

Departemen Kesehatan RI. (2014). *Farmakope Indonesia Edisi V*. Jakarta: Departemen Kesehatan Republik Indonesia.

Dukeck, R., Sieger, P., & Karmwar, P. (2013). Investigation and correlation of physical stability, dissolution behaviour and interaction parameter of amorphous solid dispersions of telmisartan: A drug development perspective. *European Journal of Pharmaceutical Sciences*, 49, 723-7331

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., & Balasubramanian, J. (2009). Solid state interaction of raloxifene HCL with different hydrophilic carrier during co-grinding and its effect on rate. *Drug development industrial pharmacy*, 35, 455-570.

Gosse, P. (2006). A review of telmisartan in the treatment of hypertension: blood pressure control in the early morning hours. *Vascular Health and Risk Management*, 2, 195-201.

Handcock, B. C., & Zografi, G., (1997). Characteristics and significance of the amorphous state in pharmaceutical system. *Journal of Pharmaceutical Science*, 89(1), 1-12.

Hayder, J. S., & Mowafaq M. G., (2015). Solid dispersion of telmisartan using poloxamer 407 or peg6000 as hydrophilic carrier. *Journal of Science*. 4(11), 1075-1080.

Huang, Y., & Dai, W. G. (2014). Fundamental aspects of solid dispersion technology for poorly soluble drugs. *Acta Pharmaceutica Sinica B*, 4(1), 18-25.

Huichao, W., Shouying D., Yang L., Ying L., & Di, W. (2014). The Application of Biomedical Polymer Material Hydroxypropylmethyl Cellulose (HPMC) in Pharmaceutical Preparations. *Journal of Chemical and Pharmaceutical Research*, 6(5), 155-160.

Isaac, J., Ganguly, S., & Ghosh, A. (2016). Co-milling of telmisartan with poly (vinyl alcohol)-An alkalinizer free green approach to ensure its bioavailability. *European Journal of Pharmaceutics and Biopharmaceutics*, 101, 43-52.

Jagadeesan, R., & Adhakrishnan, M. (2013). Novel approaches in the preparation of solid dispersion on solubility: a review. *International Journal Of Pharmacy And Pharmaceutical Sciences*, 5(3).

- Kawabata, Y., Wada, K., Nakatani, M., Yamada, S., & Onoue, S. (2011). Formulation design for poorly water-soluble drugs based on biopharmaceutics classification system: basic approaches and practical applications. *International Journal of Pharmaceutics*, 420(1), 1-10.
- Kumar, G.P., Prashanth, N., & Kumari, B.C. (2011). Fundamentals and Application of Lyophilization. *Journal of Advanced Pharmaceutical Research 2<sup>nd</sup> edition..* 4, 157-169.
- Lambert, J.B. (1987). *Introduction to Organic Spectroscopy*. New York : Macmillan Publisher.
- Leuner, C., & Dressman, J. (2000). Improving drug solubility for oral delivery using solid dispersions. *European Journal of Pharmaceutics and Biopharmaceutics*, 50, 47-60
- Martin, A., Swarbrick J., & Cammarata, A. (2009). *Farmasi Fisik Jilid 1*. Jakarta : UI Press.
- Mogal, S. A., Gurjar, P. N., Yamgar, D. S., & Kamod, A. C. (2012). Solid Dispersion Technique for Improving Solubility of Some Poorly Soluble Drugs. *Der Pharmacia Lettre*, 4(5), 1574-1586.
- Park, J., Cho, W., Cha, K. H., Ahn, J., Han, K., & Hwang, S. J. (2013). Solubilization of the poorly water soluble drug, telmisartan, using supercritical anti-solvent (SAS) process. *International journal of pharmaceutics*, 441(1), 50-55.
- Pubchem. *Telmisartan* : Final Authorized, diakses pada tanggal 4 Maret 2016 dari <https://pubchem.ncbi.nlm.nih.gov/compound/Telmisartan>
- Riekes, M. K., Kuminek, G., Rauber, G. S., Maduro de Campos, C. E., Bortoluzzi, A. J., & Stulzer, H. K. (2014). HPMC as a potential enhancer of nimodipine biopharmaceutical properties via ball-milled solid dispersions. *Carbohydrate Polymers*, 99(2), 474-482.
- Rowe, R. C., Sheskey P. J., & Quinn M. E. (2009). *Handbook of pharmaceutical excipients 6<sup>th</sup> edition*. London : The pharmaceutical press.
- Shargel, L., Wu-Pong, S., & Yu, A.B.C. (2012). Biofarmasetika & farmakokinetika terapan. Terjemahan oleh Fasich dan Budi Suprapti, Edisi kelima, Surabaya: Airlangga University Press.

- Singh, S., Kasture, S. B., Mohanty, P. K., Jaliwala, Y., Karchuli, M. S., Agarwal, A., & Yadav, Y. (2011). A Review on Solid Dispersion. *Int. J. of Pharm. & Life Sci.(IJPLS)*, 2(9), 1035-1040.
- Singh, A., Jha, K.K., Mittal, A., & Kumar, A. (2013). A Review On: Telmisartan. *Journal Of Scientific & Innovative Research*, 2(1), 160-175
- Sridhar, I., Abha, D., Bhagyashri, J., Vandana, W., & Jesal, D. (2013). Solid Dispersions: an Approach to Enhance Solubility of poorly Water Soluble Drug. *Journal of Scientific and Innovative Research* 2013, 2(3), 685-694.
- Sugimoto, M., Okayagi, T., Narisawa. S., Koida, Y., & Nakajima K., (1998). Improvement of dissolution characteristics and bioavailability of poorly water soluble drug by novel co-grinding method using water soluble polymer, 160, 11-19.
- Swabrick, J., & James, C.B. (1990). *Encyclopedia of Pharmaceutical Technology*, Vol. 3. New York : Marcel Dekker Inc.
- Sweetman, S.C. (2009). *Martindale, the complete drug reference 36<sup>th</sup> edition*. London: The Pharmaceutical Press.
- USP Medicines compendium. *Telmisartan*: Final Authorized, diakses pada tanggal 10 Desember 2015. [http://www.usp.org/sites/default/files/usp\\_pdf/EN/USPNF/revisions/telmisartan\\_tablets.pdf](http://www.usp.org/sites/default/files/usp_pdf/EN/USPNF/revisions/telmisartan_tablets.pdf)
- Vadher, A. H., Parikh, J. R., Parikh, R. H., & Solanki, A. B. (2009). Preparation and characterization of co-grinded mixtures of aceclofenac and Neusilin US<sub>2</sub> for Dissolution Enhancement of Aceclofenac. *AAPS PharmSciTech*, 10(2).
- Voigt, R. (1994). Buku Pelajaran Teknologi Farmasi edisi 5. Diterjemahkan oleh Dr. Soendani Noerono. Yogyakarta: UGM Press.
- 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., Witarsah, A. S., & Agustin, R. (2014). Enhancement of Dissolution Rate of Meloxicam by Co-grinding Technique using Hydroxypropyl methylcellulose. *Journal of Chemical and Pharmaceutical Research*, 6(11), 263-267.
- 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.