DAFTAR PUSTAKA

American Pharmaceutical Assosiation., 2013, *United States Pharmacopeia and National Formulary*, Edisi 30-NF25, United States Pharmacopeial Convention Inc., Rockville, MD, USA, 674.

Aparna, N.T., 2011, Studies on Enhancement of Dissolution Rate of Domperidone by Surface Solid Dispersion Technology, *International Journal of Research in Pharmacy and Chemistry*, **6** (7), 1204-1216.

Banker, G.S., Anderson, N.R., Lachman, L. Lieberman, H.A., and Kanig, 1986, Tablets: *The Theory and Practise of Industrial Pharmacy*, 3rdEd., Marcel Dekker lnc., New York.

Bethlehem, 2011, Biopharmaceutical Classification System and Formulation Development, *Technical Brief*, Volume **9**,64-69.

Cassidy, O.E., and Rouchotas, C., 2000, Comparison of Surface Modification and Solid Dispersion Techniques for Drug Dissolution, *International Journal of Pharmaceutics*, **195** (1-2): 1-6.

Chadha, R., Kuhad, A., Arora, P., and Kishor, S., 2012, Characterisation and Evaluation of Pharmaceutical Solvates of Atorvastatin Calcium by Thermoanalytical and Spectroscopic Studies, *Chemistry Central Journal*, **6**:114.

Charumanee, S., Okonoki, S., and Sirithunyalug, J., 2004, Improvement of the Dissolution Rate of Piroxicam by Surface Solid Dispersion, *CMU Journal*,. **3** (2), 77.

Chaturvedi, M., Kumar, M., Pathak, K., Bhatt, S., and Saini, V., 2017, Surface Solid Dispersion and Solid Dispersion of Meloxicam: Comparison and Product Development, *Adv Pharm Bull*, **7** (4): 569-577.

Chatwal, G., 1985, *Spectroscopy Atomic and Molecule*, Himalaya Publishing House, Bombay.

Chiou, W.L., and Riegelman, S., 1971, Pharmaceutical applications of solid dispersion systems, *Journal Pharmacy Science*, **60** (9): 1281-1302.

Chowdary, K.P.R. and Rao , S.Sk., 2000, Investigation of Dissolution Enhancement of Itraconazole by Solid Dispersion in Superdisintegrants, *Drug Development and Industrial Pharmacy*, **26** (11), 1207-1211.

Corrigan, O.E., 1985, Mechanism of Dissolution of Fast Release Solid Dispersion, *Drug Development Industrial Pharmacy*, **11**, 697-724.

Dachriyanus, 2004, *Analisis Struktur Senyawa Organik Secara Spektroskopi*, LPTIK Universitas Andalas, Padang, 26-27.

Day, R.A and Underwood A.L, 2002, *Quantitive Analysys 6th Edition*, Prentice-Hall-Inc,New Jersey, 389-393.

Depkes RI., 1995, *Farmakope Indonesia*, Edisi IV, Departemen Kesehatan Republik Indonesia, Jakarta, 5, 515, 1061, 1086-108.

El Bary, A.A., Louis,D. and Sayed,S., 2014, Olmesartan Medoxomil Surface Solid Dispersion-Based Orodispersible Tablets: Formulation and In Vitro Characterization, *Journal of Drug Delivery System,* **24** (6), 665-672.

El bary, A.A., Salem, H.F., and Maher, M.E., 2011, *In vitro* and *in vivo* Evaluation of Glibenclamide using Surface Solid Dispersion (SSD) Approach, *Journal of Pharmacology and Toxicology,* **2** (1): 51-62.

Elena, J. and Lucia, M. D., 2012, Application of X Ray Diffraction (Xrd) And Scanning Electron Microscopy (SEM) Methods To The Portland Cement Hydration Processes, *Journal of Applied Engineering Sciences*, volume **2** (15), 35-42.

FDA, 2006, Lipitor (Atorvastatin Calcium) Tablet, https://www.fda.gov/ohrms/dockets/ac/06/briefing/20064254b_16_02_KP%20Atorvastatin%20Label%20FDA%208-7-06.pdf diakses pada tanggal 29 Januari 2018.

Filed, L. D., Strenhell, S. and Kalman, J. R., 2007, *Organic Structures from Spextra 4th edition*, Chicester :John Wiley & Sons, Ltd.

Francois, D., and Jones, B.E., 1978, The hard capsule with the soft center, *European Capsule Technology Symposium*, 55-61.

Gandjar, I. G., dan Rohman, A., 2011, *Kimia Farmasi Analisis*, Pustaka Pelajar, Yogyakarta, 243- 246, 256.

Goldberg, H., Gibaldi, M., and Kanig, J.L., 1965, Increasing dissolution rates and gastrointestinal absorption of drugs via solid solutions and eutectic mixtures-I theoretical consideration and discussion of the literature, *Journal Pharmacy Science*, **54**, 1145-1148.

Gozali, D., Putra, A.F.C. dan Sopyan, I., 2014, Pengaruh Modifikasi Kristal Kalsium Atorvastatin Terhadap Laju Disolusi, *Bionatura-Jurnal Ilmu-ilmu Hayati dan Fisik,* **16**, 83-88.

Gozali, D., Tandela, R., dan Wardhana, Y.W., 2014, Karakterisasi Dan Peningkatan Disolusi Kalsium Atorvastatin Melalui Proses Mikrokristalisasi, *Bionatura-Jurnal Ilmu-ilmu Hayati dan Fisik,* **16**, 16-20.

Gozali, D., Yoga, W.W., dan Shofa, 2015, Formulasi Dan Evaluasi Tablet Dispersi Padat Kalsium Atorvastatin, *Jurnal Pharmascience,* **2**, No. 2, 63-70.

Harmita, 2006, *Analisis Kuantitatif Bahan Baku dan Sediaan Farmasi*, Departemen Farmasi FMIPA Universitas Indonesia : Jakarta.

Hoerter, D., and Dressman, J. B., 1997, Influence of physicochemical properties on dissolution of drugs in the gastrointestinal tract, *Adv. Drug Del. Res*., **25**, 3–14.

Kasim, N.A., Whitehouse, M., Ramachandran, C., Bermejo, M., Lennerna, H., Hussain, A.S., 2004, Molecular properties of WHO essential drugs and provisional biopharmaceutical classification, *Molecular Pharmaceutics*, **1**:85–96.

Khan, K. A,. 1975, The concept of dissolution efficiency, *Journal of Pharmacy and Pharmacology*, Volume **27** (1), 48-49.

Khatry, S., Sood, N., and Arora, S., 2013, Surface Solid Dispersion- A Review, *International Journal of Pharmaceutical Science and Nanotechnology*, **6** (1), 6-25-12.

Kim, M.S., Jin, S.J., Kim, J.S., Park, H.J., Song, H.S., Neubert, R.H., 2008, Preparation, characterization and in vivo evaluation of amorphous atorvastatin calcium nanoparticles using supercritical antisolvent (SAS) process, *Eur J Pharm Biopharm*, **69** (2), 65-454.

Kiran, T., Shastri,N., Ramakhrisna, S., and Sadanandam, M., 2009, Surface Solid Dispersion of Glimepiride for Enhancement of Dissolution Rate, *International Journal of Pharmaceutical Technology Research*, **1** (3), 822-831.

Lakshmi K, M., Reddy, P.K., and Kaza, R., 2012, Dissolution Enhancement of Telmisartan by Surface Solid Dispersion Technology, *International Journal of Innovative Pharmaceutical Research*, **3** (4), 247-251.

Lau, Y.Y., Okochi, H., Huang, Y., Benet, L.Z., 2006, Pharmacokinetics of atorvastatin and its hydroxy metabolites in rats and the effects of concomitant rifampicin single doses: relevance of first-pass effect from hepatic uptake transporters and intestinal and hepatic metabolism, *Drug Metab Dispos*, **34**:1175–81.

Martin, A.,Swarbick, J., and Cammarta, A., 1993, *Farmasi Fisik, Edisi III*, Jilid 2, Diterjemahkan oleh Yoshita, UI-Press Jakarta, 845-846.

McCrindle, B.W., Ose, L., Marais, A.D., 2003 Efficacy and safety of atorvastatin in children and adolescents with familial hypercholesterolemia or severe hyperlipidemia: a multicenter, randomized, placebo-controlled trial, *Journal Pediatric*,**143** (1), 74–80.

Medina, M.D.L.L.R and V. Kumar, 2006, Evaluation of cellulose II powders as a potential multifunctional excipient in tablet formulations, *International Journal of Pharmaceutics*, **322**(1-2), 31-5.

Patel, B., Parikh, R. H., and Swarnkar, D., 2012, Enhancement of dissolution of Telmisartan through use of solid dispersion technique - surface solid dispersion, *Journal Pharmacy Bioallied Science*., **4**, 64-68.

Pharmpedia, 2005, Tablet Formulation of tablets: Disintegrants, http://www.pharmtech.com/pharmtech/article, diakses pada tanggal 29 Januari 2018.

Pinnamaneni, N.G., Das, N.G., and Das, N.K., 2002, Formulation approaches for orally administered poorly soluble drugs, *Pharmazie* **57** (5) : 291-300.

Prabhu, P., Patravale, V., 2016, Dissolution enhancement of atorvastatin calcium by co-grinding technique, *Drug Deliv Transl Res,* **6** (4):380-91.

Rao, M., Mandage, Y., Thanki, K., and Bhise, S., 2010, Dissolution Improvement of Simvastatin by Surface Solid Disperison Technology, *International Journal of Pharmacy and Pharmaceutical Science,* **6** (1), 27-34.

Reddy, Kumar, and Karunakar, 2011, Biopharmaceutics Classification System: A Regulatory Approach, *Journal Dissolution Technologies,* **18** (1) 31-37.

Rosenson, R.S., 2003, Rosuvastatin: a new inhibitor of HMG-CoA reductase for the treatment of dyslipidemia, *Expert Rev. Cardiovasc. Ther*., **1** (4), 495–505.

Rowe, R,C., Sheskey, P,J., Quinn, M,E., 2009, Handbook of Pharmaceutical Excipients Ed. 6, Pharmaceutical Press, London, 129-131.

Shargel, L., and Yu, A.B.C., 2005, *Biofarmasetika dan Farmakokinetika Terapan Edisi II*, Airlangga University Press, Surabaya.100-104.

Serajuddin, A.T.M., 1999, Solid Dispersion of Poorly Water-Soluble Drugs: Early Promises, Subsequent Problems, and Recent Breakthroughs, *Journal of Pharmaceutical Sciences*, **88** (10), 1058-1066.

Siregar, Charles, J.P., 2010, *Teknologi Sediaan Tablet* :Dasar-Dasar Praktis, Penerbit Buku Kedokteran EGC, Jakarta,54,56,85-86,188.

Syarif, A., 2007, *Farmakologi dan Terapi*, Edisi kelima, Gaya Baru, Jakarta.

Tarek, A.A., Yasser, A.A., Abdel-Rahim, M.E., Khaled, M.H. and Khalid, M.E., 2016, Depot injectable atorvastatin biodegradable in situ gel: development, optimization, in vitro, and in vivo evaluation, *Journal Drug Design Development Therapy*, **10**, 405-415.

Vasconcelos, T.,Sarmento, B., and Costa, P., 2007, Solid Dispersion as Strategy to Improve Oral Bioavailability of Poor Water Soluble Drugs, *Drug Discovery Today*, **12**, 23-24.

Wahyuni, Rina, Auzal Halim, dan Siska F., 2014, Studi Sistem Dispersi Padat Karbamazepin Menggunakan Campuran Polimer PEG 6000 dan HPMC dengan Metoda Pelarutan, *Prosiding Seminar Nasional dan Workshop Perkembangan Terkini Sains dan klinik IV*. 233-240.

Yin, Y.M., Cui, F.D., Kim, J.S., Choi, M.K., Choi, B.C., Chung, S.J., 2009, Preparation, characterization and in vitro intestinal absorption of a dry emulsion formulation containing atorvastatin calcium. *Journal Drug Delivery*, **71**, 92-106.

Yeom, D.W., Son, H.Y., Kim, J.H., Kim, S.R., Lee, S.G., Song, S.H., Chae, B.R., Choi, Y.W., 2016, Development of a solidified self-microemulsifying drug delivery system (S-SMEDDS) for atorvastatin calcium with improved dissolution and bioavailability, *International Journal of Pharmaceutics*, **506** (1-2):302-11.

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