

DAFTAR PUSTAKA

- Alshehri, Sultan., Imam, S. S., Altamimi, M. A., Jafar, M., Hassan, M. Z., Hussain, A., Ahad, A. and Mahdi, W., 2019. Host-guest complex of β -cyclodextrin and pluronic F127 with Luteolin: Physicochemical characterization, anti-oxidant activity and molecular modeling studies. *JDDST*, p. 1-11.
- Arumugam, Shanmuga. P., Balakrishnan, S. B., Ganesan, V., Munisamy, M., Kuppu, S. V., Narayan, V., Baskaralingan, V., Jeyachandran, S. and Thambusamy, S., 2019. In-vitro dissolution and microbial inhibition studies on anticancer drug etoposide with β -cyclodextrin. *MSEC*. p. 96-105.
- Bekers, O., Uijtendaal, E.V., Beijnen, J. H., Bult, A. And Underberg, W.J.M., 1991. Cyclodextrins In The Pharmaceutical Field. *Drug Development and Industrial Pharmacy*, Vol. 17 No. 11, p. 1503-1509.
- Bestari, Angi Nadya., 2004. Penggunaan Siklodekstrin Dalam Bidang Farmasi. *Majalah Farmaseutik*, Vol. 10 No. 1, p. 197–201.
- Borba, P.A.A., Pinotti, M., Andrade, G.R.S., da Costa, N.B., Junior, L.R.O., Fernandes, D., de Campos, C.E. and Stulzer, H.K., 2015. The effect of mechanical grinding on the formation, crystalline changes and dissolution behaviour of the inclusion complex of telmisartan and β -cyclodextrins. *CARBPOL*. p. 373-383.
- Brewster, M.E., and Loftsson, T. 2007. Cyclodextrins as Pharmaceutical Solubilizers. *Advanced Drug Delivery Reviews*, Vol. 59 No.7, p. 645–666.
- Cagno, M., 2017. The Potential of Cyclodextrin as Novel Active Pharmaceutical Ingredients : A Short Review. *Molecules*. Vol 1 No 22, p. 1-3.
- Challa, Rajeswari., Ahuja, Alka., Ali, Javed. and Khar, R. K., 2005. Cyclodextrins in Drug Delivery: An Updated Review, *AAPS PharmSciTech*, Vol. 6, No. 2, pg. 329-357.

- Das, S.K., Rajabalaya, R., David, S., Gani, N., Khanam, J. and Nanda, A., 2013. Cyclodextrins-The Molecular Container. *Research Journal of Pharmaceutical, Biological, and Chemical*, Vol. 4, Issue 2, p. 1694-1720.
- Departemen Kesehatan Republik Indonesia.2014.**Farmakope Indonesia**, Edisi kelima, p 32.
- Felton, Linda A., 2012. **Remington: Essentials of Pharmaceutics**. London: Pharmaceutical Press, p. 63-80.
- Florence, A. T., Attwood, D., 2015. **Physicochemical Principles of Pharmacy 6thed**. London: Pharmaceutical Press, p. 77-83, 139- 160.
- Gao, Shuang., Bie, C., Ji, Q., Ling, H., Fu,Y., Zhao, L. And Ye, F., 2019. Preparation and characterization of cyanazine-hydroxypropyl-beta-cyclodextrin inclusion complex. *Royal Society of Chemistry*, Vol 9, p.26109-26115.
- Goldstain, J.I., Newbury, D.E., Michael, J.R., Ritchie, N.W.M., Scott, J.H.J. and Joy, D.C., 2018. **Scanning Electron Microscopy and X-Ray Microanalysis**. New York : Springer.p.9-10.
- Graeser, K.A., Patterson, J.E., Zeitler, J.A. and Rades,T., 2010. The Role of Configurational Entropy in Amorphous Systems. *Pharmaceutics*. p.224-244.
- Hong, H.L., J.F.Sun., Ying Z., Ning.Z., L.M.Han. and Q.L.Suo. 2019. Preparation, Characterization and *in vitro* Evaluation of Tosufloxacin Tosylate and Hydroxypropyl- β -cyclodextrin Inclusion Complex. *Indian J Pharm Sci*. p. 249-258.
- Isadiartuti,D., dan Martodiharjo,S. 2007. Termodinamika Pembentukan Kompleks Inklusi. *Majalah Famasi Indonesia*, Vol. 18, No. 2, pg. 57-62.
- Isadiartuti, D., dan Suwaldi. 2005. Pembentukan Kompleks Inklusi Fenobarbital dengan Hidroksipropil- β -Siklodekstrin. *Majalah Farmasi Indonesia*, Vol. 16, No. 1, p. 28–37.
- Jansook, P., Ogawa, N. and Loftsson, T., 2018. Cyclodextrins : structure, physicochemical properties and pharmaceutical applications. *International Journal of Pharmaceutics*. p. 272-284.

- Jambhekar, S.S. and Breen, P., 2016. Cyclodextrins in pharmaceutical formulations I: structure and physicochemical properties, formation of complexes, and types of complex. *Drug Discov Today*, 21(2), pp.356–362.
- Jug, Mario. and Paola, Angela.M.2018. Grinding as Solvent-Free Green Chemistry Approach for Cyclodextrin Inclusion Complex Preparation in the Solid State, *Pharmaceutics*, Vol.10, p. 3-17.
- Jordheim, L. P., Degobert, G., Diab, R., Peyrottes, S., Perigaud, C., Dumontet, C., Fessi, H., 2009. Inclusion Complexes of a nucleotide analogue with hydroxypropyl-beta-cyclodextrin. *J. Incl. Phenom. Macrocycl. Chem.*, Vol.63, p.11-16.
- Kim, S.R., Sung, S.H., Jang, Y.P., Markelonis, G.J., Oh, T.H., and Kim, Y.C. 2002. E-*p*-Methoxycinnamic acid protects cultured neuronal cells against neurotoxicity induced by glutamate. *British Journal of Pharmacology*, 135, p. 1281-1291.
- Kumar, A., Sangram, K.S., Kumud, Padhee, Prithi, P.S.K., Satapathy, A. and Naveen, P., 2011. Review on solubility enhancement techniques for hydrophobic drugs. *Pharmacie Globale International Journal of Comprehensive Pharmacy*, Vol. 3, p 1-5.
- Kurkov, S.V. and Loftsson, T., 2012. Cyclodextrins. *International Journal of Pharmaceutics*. P. 1-13.
- Li, Shansan., Yuanming.Z., Jin.Y., Lili.W., Kailin.X. and Hui.L., 2016. Effect of preparation processes and structural insight into the supermolecular system: Bisacodyl and β -cyclodextrin inclusion complex. *MSEC*. p. 224-232.
- Loftsson, T. and Duchene. D., 2007. Cyclodextrin an their pharmaceutical application. *International Journal of Pharmaceutics*, Vol. 329, p 1-11.
- Loh, Z. H., Samanta, A. K. and Heng, P. W. S. 2014. Overview of milling techniques for improving the solubility of poorly water-soluble drugs. *Asian Journal of Pharmaceutical Sciences*, p. 14-16, 54.

- Monov, Vladimir., 2012. Grinding in Ball Mills : Modelling and Process Control. *Cybernetics and Information Technologies*, Vol. 12 No. 2, p.51-54.
- Murdande, S.B., Pikal, M.J., Shanker, R.M. and Bogner, R.H., 2011. Aqueous solubility of crystalline and amorphous drugs : Challenges in measurement. *Pharmaceutical Development and Technology*, p.187-200.
- Newman, Ann. 2015. **Pharmaceutical Amorphous Solid Dispersions**. New Jersey : John Wiley & Sons, Inc.p.100-101.
- Patil, J. S., Kadam, D. V., Marapur, S. C., and Kamalapur, M. V. 2010. Inclusion complex system; a novel technique to improve the solubility and bioavailability of poorly soluble drugs: A review. *IJPSR*, Vol. 2, No. 2, p. 29–34.
- Patel, H.H., Trivedi, M., Maniar, M., Ren, C. and Dave, R.H., 2018. Effect of β -cyclodextrin and Hydroxypropyl β -cyclodextrin on Aqueous Stability, Solubility and Dissolution of Novel Anti-cancer Drug Rigosertib. *JPRI*. Vol. 21 No. 3, p.2-3.
- Pavia, D. L., Lampman, G. M., Kriz, G. S. and Vyvyan, J. R. 2015. **Introduction to Spectroscopy**. Washington: Cengage Learning, p.14-106.
- Piras, C.C., Prieto, S.F. and Borggraeve, W.M., 2019. Ball Milling : a green technology for the preparation and functionalisation of nanocellulose derivatives. *Royal Society of Chemistry*. Vol 1, p. 938.
- Popielec, A. and Loftsson, T., 2017. Effects of cyclodextrins on the chemical stability of drugs. *Int. J. Pharm.* p. 1-11.
- Priya, A.S., Suganya, B.B., Giri, B.V. and Stalin, T., 2018. In-vitro dissolution rate and molecular docking studies of cabergoline drug with b-cyclodextrin. *MOLSTRUC*. p. 1-8.
- Pubchem., 2020. Bisacodyl. Diakses dari <https://pubchem.ncbi.nlm.nih.gov/compound/Bisacodyl#section=Chemical-and-Physical-Properties>. pada tanggal 10 Juli 2020.
- Pubchem., 2020. Cabergoline. Diakses dari <https://pubchem.ncbi.nlm.nih.gov/compound/Cabergoline#section=Chemical-and-Physical-Properties>. pada tanggal 10 Juli 2020.

- Pubchem., 2020. Etoposide. Diakses dari <https://pubchem.ncbi.nlm.nih.gov/compound/Etoposide#section=Chemical-and-Physical-Properties>. pada tanggal 10 Juli 2020.
- Pubchem., 2020. Luteolin. Diakses dari <https://pubchem.ncbi.nlm.nih.gov/compound/Luteolin#section=Chemical-and-Physical-Properties>. pada tanggal 10 Juli 2020.
- Pubchem., 2020. Olmesartan. Diakses dari <https://pubchem.ncbi.nlm.nih.gov/compound/Olmesartan#section=Chemical-and-Physical-Properties>. pada tanggal 10 Juli 2020.
- Pubchem., 2020. Telmisartan. Diakses dari <https://pubchem.ncbi.nlm.nih.gov/compound/Telmisartan#section=Chemical-and-Physical-Properties>. pada tanggal 10 Juli 2020.
- Pubchem., 2020. Tosufloxacin Tosylate. Diakses dari <https://pubchem.ncbi.nlm.nih.gov/compound/Tosufloxacin-tosilate#section=Chemical-and-Physical-Properties>. pada tanggal 10 Juli 2020.
- Rowe, R., Sheskey, P. and Quinn, M., 2009. **Handbook of Pharmaceutical Excipients Sixth Edition**. United Kingdom : Pharmaceutical Press, p. 210-213.
- Rudrangi, S.R.S., Bhomia, R., Trivedi, V., Vine, G.J., Mitchell, J.C., Alexander, B.C. and Wicks, S.R., 2014. Influence of the preparation method on the physicochemical properties of indomethacin and methyl- β -cyclodextrin complexes. *IJPHARM*. p.1-10.
- Sambasevam, K.P., Mohamad, S., Sarih, N.M. and Ismail, N.A., 2013. Synthesis and Characterization of the Inclusion Complex of β -cyclodextrin and Azomethine. *Int. J. Mol. Sci.* 2013,14,p. 3671-3682.
- Savjani, K.T., Gajjar, A.K. and Savjani, J.K., 2012. Drug Solubility : Importance and Enhancement Technique. *International Scholarly Research Network*. p.1-10.
- Shah, N., Sadhu, H., Choi, D.S., Chokshi, H. and Malick, A.W., 2014. **Amorphous and Solid Dispersions, Theory and Practice**. New York : Springer. p. 93-98.

- Shargel, L. and Yu, A. B., 2016. **Applied Biopharmaceutics and Pharmacokinetics**. New York : Mc Graw-Hill Education. p.300-317.
- Singh, R., Bharti, N., Madan, J. And Hiremath, S.N., 2010. Characterization of cyclodextrin inclusion complex-A review. *Journal of Pharmaceutical Science and Technology*, Vol. 2 No. 3, p. 171-183.
- Sinko, P.J. and Singh, Y. 2011. **Martin's Physical Pharmacy and Pharmaceutical Sciences 6th. Edition**. Philadelphia : Lippincott Williams and Wilkins, p. 197; 205.
- Subedi, Gunjan., Shresta, K.A. and Shakya, S., 2016. Study of Effect of Different Factors in Formulation of Nanospheres with Solvent Evaporation Technique. *Open Pharmaceutical Sciences Journal*. p. 182-195.
- Sweetman, S.C., 2014. **Martindale : The Complete Drug Reference 38thed**. London: Pharmaceutical Press
- Tran, P., Pyo, Y.C., Kim, D.H., Lee, S.E. and Park, J.S., 2019. Overview of the Manufacturing Methods of Solid Dispersion Tecnology for Improving the Solubility of Poorly Water-Soluble Drugs and Application to Anticancer Drugs. *MDPI*. p.1-26.
- Valle, E.M.M. 2004. Cyclodextrins and their uses: A review. *Process Biochemistry*, Vol. 39, pg. 1033–1046.
- Yang, Y., Chia, H. and Chung, T.S., 2000. Effect of preparation temperature on the characteristic and release profile of PLGA microsphere containing protein fabricated bu double-emulsion solvent extraction/evaporation method. *Journal of Controlled Release*. p.81-96.
- Zhang, Q., Ren, W., Dushkin, A.V. and Su, W., 2020. Preparation, characterization, in vitro and in vivo studies of olmesartan medoxomil in a ternary solid dispersion with N-methyl-D-glucamine and hydroxypropyl- β -cyclodextrin. *JDDST*. p. 2-10.