

DAFTAR PUSTAKA

- Alatas, F., Aprilliana, M. and Gozali, D. 2017. The Preparation and Solubility of Loratadine-Fumaric Acid Binary Mixture. **Asian Journal of Pharmaceutical and Clinical Research**, 10(1), pp. 331–334. doi: 10.22159/ajpcr.2017.v10i1.15400.
- Alatas, F., Soewandhi, N. S., Sasongko, L., Ismunandar, Uekusa, H. 2013. Cocrystal Formation Between Didanosine And Two Aromatic Acids. **Int J Pharm Pharm Sci**, Vol 5, Suppl 3, 275-280
- Alhalaweh, A., George, S., Boström, D., & Velaga, S. P. 2010. 1: 1 and 2: 1 Urea– succinic acid cocrystals: structural diversity, solution chemistry, and thermodynamic stability. **Crystal Growth & Design**, 10(11), 4847-4855.
- Beiser, A. 1992. Konsep Fisika Modern Edisi Keempat. Jakarta: Erlangga.
- Blagden, N., De Matas, M., Gavan, P. T. and York, P., 2007. Crystal engineering of active pharmaceutical ingredients to improve solubility and dissolution rates. **Advanced Drug Delivery Reviews**, 59(7), pp.617-630.
- Brar, S. K., Sarma, S. J. and Parshirajan, K. 2016. Platform Chemical Biorefinery. Edited by S. K. Brar, S. J. Sarma, and K. Parshirajan. **Cambridge: Elsevier**.
- Chandramouli, Y. R., Gandhimathi, R. B., Vikram, A., Mahitha, B., and Imroz, S. M. 2012. Review on cocrystal as an approach with newer implications in pharmaceutical field. **Int J Medicinal Chemistry and Analysis**, 2(2), 91-100.
- Departemen Kesehatan Republik Indonesia. 2014. **Farmakope Indonesia Edisi V.Jakarta**: Departemen Kesehatan Republik Indonesia, pp.777, 1491, 1508-1509 dan 1585.

- Douroumis, D., Ross, S. A., & Nokhodchi, A. 2017. Advanced methodologies for cocrystal synthesis. *Advanced drug delivery reviews*, 117, 178-195.
- El-gawad, H. Abd, Soliman, O. A., Shams, M. E. E. And Maria, D. N., 2013. Formulation and in-vitro evaluation of loratadin ocuserts. **RGUHS J Pharm Sci**, 3(4), pp.62-68.
- Frisčić , T.; Jones, W.,2009. Recent advances in understanding the mechanism of cocrystal formation via grinding. **Cryst. Growth Des.**, 9 (3), 1621–1637.
- Frisčić , T.; Childs, S; Rizvi, S; Jones, W. 2009. The role of solvent in mechanochemical and sonochemical cocrystal formation: a solubility-based approach for predicting cocrystallization outcome. **The Royal Society of Chemistry**, 11(3), pp. 418-426.
- Fucke, K., Myz, S. A., Shaktshneider, T. P., Boldyreva, E. V. and Griesser, U. J., 2012. How good are the crystallisation methods for co-crystals? a comparative study of piroxicam. **New Journal of Chemistry**, 36(10), pp.1969-1977.
- Gupta, K. R., Askarkar, S. S., Joshi, R. R., Padole., 2015.Solid state properties: Preparation and characterization. **Pelagia Research Library**, 6(4), pp. 45–64.
- Hiendrawan, S., Veriansyah, B., Widjojokusumo, E., Soewandhi, S. N., Wikarsa, S., & Tjandrawinata, R. R. 2016. Simultaneous cocrystallization and micronization of paracetamol-dipicolinic acid cocrystal by supercritical antisolvent (SAS). **Int J Pharm Pharm Sci**, 8, 89-98.
- Jasud, S., Warad, S., Rahul, S., Jagdale, G., & Zinjad, S. 2013. Cocrystal: a novel approach for bioavailability enhancement. **World**

- Journal Of Pharmacy And Pharmaceutical Sciences**, 2(6), 4682-4697.
- Jones, W., Motherwell, W. S., & Trask, A. V. (2006). Pharmaceutical cocrystals: an emerging approach to physical property enhancement. **MRS bulletin**, 31(11), 875-879.
- Jung, M. S., Kim, J. S., Kim, M. S., Alhalaweh A., Cho W, Hwang, S. J., Velaga, S. P., 2010. Bioavailability of indomethacin-saccharin cocrystals. **J Pharm pharmacol**, 62(11):1560-1568.
- Kalepu, S., & Nekkanti, V. 2015. Insoluble drug delivery strategies: review of recent advances and business prospects. **Acta Pharmaceutica Sinica B**, 5(5), 442-453.
- Karimi-Jafari, M., Padrela, L., Walker, G. M., Croker. D. M., 2018. Creating Cocrystals: A Review of Pharmaceutical Cocrystal Preparation Routes and Applications. **Cryst.GrowthDes**, 18; 6370–6387.
- Karki, S., Friščić, T., and Jones, W., 2009. Control and interconversion of cocrystal stoichiometry in grinding: stepwise mechanism for the formation of a hydrogen-bonded cocrystal. **CrystEngComm**, 11(3), pp.470-481.
- Khan, M. Z. I., Raušl, D., Zanoški, R., Zidar, S., Mikulčić, J. H., Krizmanić, L., ...& Knežević, Z. 2004. Classification of loratadine based on the biopharmaceutics drug classification concept and possible in vitro-in vivo correlation. **Biological and Pharmaceutical Bulletin**, 27(10), 1630-16
- Kojima, T., S. Tsutsumi, K. Yamamoto, Y. Ikeda, T. Moriwaki. 2010. High-throughput cocrystal slurry screening by use of in situ Raman microscopy and multi-well plate. **International Journal of Pharmaceutics**, (399: 52-59).

- Lin, H. L., Wu, T. K. and Lin, S. Y., 2014. Screening and characterization of cocrystal formation of metaxalone with short-chain dicarboxylic acids induced by solvent-assisted grinding approach. **Thermochimica Acta**, 575, pp.313-321.
- Liu, L. D., Liu, S. L., Liu, Z. X., & Hou, G. G. 2016. Synthesis, structure, antitumor activity of novel pharmaceutical co-crystals based on bispyridyl-substituted α , β -unsaturated ketones with gallic acid. **Journal of Molecular Structure**, 1112, 1-8.
- Li, Zi., and Matzger. A. J., 2017. Influence of Coformer Stoichiometric Ratio on Pharmaceutical Cocrystal Dissolution: Three Cocrystals of Carbamazepine/4-Aminobenzoic Acid. **Mol. Pharmaceutics**, 13(3), pp 990–995.
- Lu, J. and Rohani, S., 2009. Preparation and characterization of theophylline– nicotinamide cocrystal. **Organic Process Research & Development**, 13(6), pp.1269-1275.
- Loftson, T., Masson, M.,and Brewster, M.E., 2005. Self-association of Cyclodextrins and Cyclodextrin Complexes. **Expert Opin. Drug Deliv.** 2(2):335-351.
- Mansury, M. A., and Jatav, R. K., 2015. Determination and Identification of Loratadine by Various Analytical Methods Using UV - Visible, FT- IR, and HPLC Chromatographic Techniques. **Indo American Journal of Pharmaceutical Research**, pp 2899-2909.
- Najih, Y. A., Setyawan, D., Radjaram, A., 2018. Pembentukan Kokristal KetokonazolAsam Suksinat Yang Dibuat Dengan Metode Penggilingan (*Grinding*). **Journal of Pharmacy Science And Technology**, 1(1), pp.8-12.
- Nghiem, N. P., Kleff, S. and Schwegmann, S., 2017. Succinic acid:

- technology development and commercialization. **Fermentation**, 3(2), 26.
- O` Neil, Maryadele., Ann, Smith., Heckelman. 1996. The Merck Index : An Encyclopedia of Chemical and Drug, 12th Edition. **New Jersey Merck and Co, Inc**, pp.1438, 1579.
- Patole, T. and Deshpande, A., 2014. Co-crystallization - a technique for solubility enhancement. **International Journal of Pharmaceutical Sciences and Research**, 5(9), pp.3566-3576.
- Putra, O.D., Nugrahani, I., Ibrahim, S., and Uekusa, H., 2012. Pembentukan padatan semi kristalin dan ko-kristal parasetamol. **Jurnal Matematika & Sains**, 17(2), pp.83-88.
- Qiao, N., Li, M., Schlindwein, W., Malek, N., Davies, A., & Trappitt, G. 2011. Pharmaceutical cocrystals: an overview. **International journal of pharmaceutics**, 419(1), 1-11.
- Ramos, L. A., and Cavalheiro, É. T., 2007. Thermal behavior of loratadine. **Journal of Thermal Analysis and Calorimetry**, 87(3), pp.831-834.
- Rodríguez-Hornedo, N., Nehm, S. J., Seefeldt, K. F., Pagan-Torres, Y., and Falkiewicz, C. J. 2006. Reaction crystallization of pharmaceutical molecular complexes. **Molecular pharmaceutics**, 3(3), 362-367.
- Sanjay, A. N., Manohar, S. D., and Bhanudas, S. R., 2014. Pharmaceutical cocrystallization: a review. **Journal of Advanced Pharmacy Education & Research**, 4(4), pp.388-396.
- Savjani, K. T., Gajjar, A. K., & Savjani, J. K. 2012. Drug solubility: importance and enhancement techniques. **ISRN pharmaceutics**.
- Saxena, R. K. et al. (2017) 'Production and Applications of Succinic Acid',

Current Developments in Biotechnology and Bioengineering, pp. 601–630.

- Schultheiss, N. and Newman, A., 2009. Pharmaceutical cocrystals and their physicochemical properties. **Crystal Growth & Design**, 9(6), pp.2950-2967.
- Simons, F. E. R. 2002. Comparative pharmacology of H 1 antihistamines: clinical relevance. **The American journal of medicine**, 113(9), 38-46.
- Setyawan, D., Sari, R., Yusuf, H. and Primaharinastiti, R., 2014. Preparation and characterization of artesunate – nicotinamide cocrystal by solvent evaporation and slurry method. **Asian J of Pharm Clin Res**, 7(1), pp.62-65.
- Setyawan, D., Oktavia, I. P., Farizka, R., and Sari, R., 2017. Physicochemical characterization and in vitro dissolution test of quercetin-succinic acid cocrystal prepared using solvent evaporation. **Turk J Pharm Sci**, 14(3): 280-284
- Song, N. N., Zhang, S. Y., and Liu, C. X. 2004. Overview of factors affecting oral drug absorption. **Asian J Drug Metab Pharmacokinet**, 4(3), 167-76.
- Sweetman, S. C., 2009. Martindale The Complete Drug Reference. 36th Ed. London: Pharmaceuticals Press. P. 583-584.
- Thakuria, R., Delori, A., Jones, W., Lipert, M. P., Roy, L., and Rodríguez-Hornedo, N. 2013. Pharmaceutical cocrystals and poorly soluble drugs. **International journal of pharmaceutics**, 453(1), pp.101-125.
- Tieknik ERT, Vittal JJ (Editors). 2006. Frontiers in Crystal Engineering, John Wiley & Sons, Ltd, Chapter 2 :**Crystal Engineering of Pharmaceutical Co-crystal**.P.25-50.

- Trask, A. V., W.D.S. Motherwell, W. Jones. 2005. Pharmaceutical co-crystallization: Engineering a remedy for caffeine hydration. **Crys Grow Des.** (5: 1013 – 1021).
- Vioglio, P. C., Chierotti, M. R., Gobetto, R., 2017. Pharmaceutical aspects of salt and cocrystal forms of APIs and characterization challenges. **Advanced Drug Delivery Reviews**, p. 86-100.
- Weyna, D.R., T Shattock, P. Vishweshwar dan M. J. Zaworotko. 2009. Synthesis and Structural Characterization of Cocrystals and Pharmaceutical Cocrystals: Mechanochemistry vs Slow Evaporation from Solution. **Crystal Growth and Design.** (9 (2): 1106–1123).
- Winantari, A. N., Setyawan, D., SiswodihardjoS., & Soewandhi, S. N. 2017. Cocrystallization acyclovir-cuccinic acid using solvent evaporation methods. **Asian J Pharm Clin Res**, 10(6), 91-94.
- Wicaksono, A. 2018. Pengaruh Pembentukan Kokristal Loratadin- Asam Suksinat Dengan Metode Lumpuran Terhadap Karakteristik Fisikokimianya [skripsi]. Surabaya (ID): Fakultas Farmasi, Universitas Airlangga.
- Wicaksono, Y., Setyawan, D., Siswandono., 2017. Formation of Ketoprofen-Malonic Acid Cocrystal by Solvent Evaporation Method. **Indones. J. Chem.**, 17 (2), 161 – 166.
- Yadav, S., Gupta, P. C., Sharma, N., & Kumar, J. 2015. Cocrystals : An Alternative Approach to Modify Physicochemical Properties of Drugs. **International Journal of Pharmaceutical, Chemical & Biological Sciences**, 5(2), 427-436.
- Yu, Q., Black, S., Wei, H., 2009. Solubility of Butanedioic Acid in Different Solvents at Temperature 283 K and 333 K. **Journal of Chemical and Engineering Data**. Vol. 54. p.

2123-2125.

- Zhang, G. G., Henry, R. F., Borchardt, T. B., & Lou, X. 2007. Efficient co-crystal screening using solution-mediated phase transformation. **Journal of pharmaceutical sciences**, 96(5), 990-995.