

## DAFTAR PUSTAKA

- Bekers, O., Utjtendal, E. V., Beijmen, J. H., Bull, A., & Underberg, W. J. M. (1991). Cyclodextrin in the pharmaceutical field. *Drug Dev and Ind Pharm.* 17(11): 1503-1548. <https://doi.org/10.3109/03639049109026630>
- Bestari, A. N. (2014). Penggunaan siklodekstrin dalam bidang farmasi. *Majalah Farmaseutik*, 10(1): 197-201. <https://doi.org/10.22146/farmaseutik.v10i1.24113>
- Brady, B., Lynam, N., O'Sullivan, T., Ahern, C., and Darcy, R. (2000). 6A-O-p-toluenesulfonyl- $\beta$ -cyclodextrin [ $\beta$ -cyclodextrin,6A-(4-methylbenzenesulfonate)]. *Organic Syntheses*, Coll. 77: 220-222.
- Byun, H. S., Zhong, N., dan Bittman, R. (2000). 6A-O-p-toluenesulfonyl- $\beta$ -cyclodextrin [ $\beta$ -cyclodextrin,6A-(4-methylbenzenesulfonate)]. *Organic Syntheses*, Coll. 77: 225-227.
- Challa, R., Ahuja, A., Ali, J., and Khar, R. K. (2005). Cyclodextrin in drug delivery: An updated review. *AAPS PharmSci Tech*, 6(2): Article 43, E329-E350. <https://doi.org/10.1208/pt060243>
- Chaudhary, V. B., & Patel, J. K. (2013). Cyclodextrin inclusion complex to enhance solubility of poorly water soluble drugs: A review. *International Journal of Pharmaceutical Sciences and Research*, 4(1): 68-76.
- Dara, A. I., & Husni, P. (2017). Teknik meningkatkan kelarutan Obat. *Farmaka*, 15(4): 49-57.
- Del Valle, E. M. (2004). Cyclodextrins and their uses: A review. *Process biochemistry*, 39(9): 1033-1046. [https://doi.org/10.1016/S0032-9592\(03\)00258-9](https://doi.org/10.1016/S0032-9592(03)00258-9)
- Gonil, P., Sajomsang, W., Ruktanonchai, U. R., Pimpha, N., Sramala, I., Nuchuchua, O., & Puttipipatkhachorn, S. (2011). Novel quaternized chitosan containing  $\beta$ -cyclodextrin moiety: Synthesis, characterization and antimicrobial activity. *Carbohydrate polymers*, 83(2): 905-913. <https://doi.org/10.1016/j.carbpol.2010.08.080>
- Hashimoto, T., & Maruoka, K. (2008). The basic principle of phase-transfer catalysis and some mechanistic aspects. *Asymmetric Phase Transfer Catalysis*, 1-8.
- Hernández Sánchez, P. (2012). Complexation of eugenol (EG), as main component of clove oil and as pure compound, with  $\beta$ -and HP- $\beta$ -CDs. *Food and nutrition sciences*, 3: 716-723. <http://dx.doi.org/10.4236/fns.2012.36097>

- Hossain, M., & Nanda, A. K. (2018). A review on heterocyclic: Synthesis and their application in medicinal chemistry of imidazole moiety. *Science*, 6(5): 83-94. <https://doi.org/10.11648/j.sjc.20180605.12>
- Imai, T., Irie, T., Otagiri, M., Uekama, K., Yamasaki, M. (1984). Comparative study on inclusion complexation of antiinflammatory drugs flurbiprofen with  $\beta$ -cyclodextrin and methylated- $\beta$ -cyclodextrin. *J. Inclus. Phenom. Macro*, 2: 597-604. <https://doi.org/10.1007/BF00662225>
- Lee, C. W., Kim, S. J., Youn, Y. S., Widjojokusumo, E., Lee, Y. H., Kim, J., & Tjandrawinata, R. R. (2010). Preparation of bitter taste masked cetirizine dihydrochloride/ $\beta$ -cyclodextrin inclusion complex by supercritical antisolvent (SAS) process. *The Journal of Supercritical Fluids*, 55(1): 348-357. <https://doi.org/10.1590/S1984-82502011000400003>
- Miranda, J. C. D., Martins, T. E. A., Veiga, F., & Ferraz, H. G. (2011). Cyclodextrins and ternary complexes: Technology to improve solubility of poorly soluble drugs. *Brazilian Journal of Pharmaceutical Sciences*, 47(4): 665-681. <https://doi.org/10.1590/S1984-82502011000400003>
- Muderawan, I. W. Pembuatan alkana dan arenasulfonilimidazol dengan katalis transfer fasa, *Aplikasi Paten*, Nomor Permohonan S00202102290 (29 Mei 2021) dan Nomor Publikasi 2021/SID/10397 (31 Mei 2021).
- Muderawan, I. W., Ong, T. T., Tang, W. H., Young, D. J., Ching, C. B., & Ng, S. C. (2005). Synthesis of ammonium substituted  $\beta$ -cyclodextrins for enantioseparation of anionic analytes. *Tetrahedron letters*, 46(10): 1747-1749. <https://doi.org/10.1016/j.tetlet.2005.01.059>
- Rajesh, A., Vishal, G. (2012). Cyclodextrins – a review on pharmaceutical application for drug delivery. *International Journal of Pharmaceutical Frontier Research*, 2(1): 95-112
- Reddy, M. N., Rehana, T., Ramakrishna, S., Chowdary, K. P. R., Diwan, P. V. (2004).  $\beta$ -Cyclodextrin complexes of celecoxib molecular-modeling, characterization, and dissolution studies. *AAPS Pharm. Sci*, 1(6): 1-9. <https://doi.org/10.1208/ps060107>
- Řezanka, M. (2016). Monosubstituted cyclodextrins as precursors for further use. *European Journal of Organic Chemistry*, 32: 5322-5334. <https://doi.org/10.1002/ejoc.201600693>
- Sagala, R. J. (2019). Metode peningkatan kecepatan disolusi dikombinasi dengan penambahan surfaktan. *Jurnal Farmasi Galenika (Galenika Journal of Pharmacy)(e-Journal)*, 5(1): 84-92. <https://doi.org/10.22487/j24428744.2019.v5.i1.12360>

- Savjani, K. T., Gajjar, A. K., & Savjani, J. K. (2012). Drug solubility: Importance and enhancement techniques. *International Scholarly Research Notices*. 2012: 1-10. <https://doi.org/10.5402/2012/195727>
- Seo, E. J., Min, S. G., Choi, M. J. (2010). Release characteristics of freeze-dried eugenol encapsulated with  $\beta$ -cyclodextrin by molecular inclusion method. *Journal of Microencapsulation*. 27(6): 496–505. <https://doi.org/10.3109/02652041003681398>
- Setiawan, F., & Parbuntari, S. B. E. H. (2019). Pengaruh waktu kneading terhadap efektifitas enkapsulasi molekul minyak kemenyan pada  $\beta$ -siklodekstrin ( $\beta$ -CD). *Menara Ilmu*, 13(2): 178-185
- Szejtli, J. (1998). Introduction and general overview of cyclodextrin chemistry. *Chemical Reviews*. 98(5): 1743-1754
- Uekama, K., Otagari, M. (1998). Cyclodextrins in drugs carrier systems. *Chem. Rev.*, 98: 2045-2076.
- Uekama, K., Hirayama, F., Arima, H. (2006). Recent aspects of cyclodextrin-based drug delivery systems. *J. Inclus. Phenom. Macro*, 56: 3-8. <https://doi.org/10.1007/s10847-006-9052-y>
- Utomo, S. B., & Setiati, T. (2019). Aplikasi kaliksarena sebagai katalis transfer fasa dalam sintesis vanilin dari eugenol. *JKPK (Jurnal Kimia Dan Pendidikan Kimia)*, 4(3): 179-188. <https://doi.org/10.20961/jkpk.v4i3.34993>
- Vasconcelos, T., Sarmento, B., & Costa, P. (2007). Solid dispersions as strategy to improve oral bioavailability of poor water soluble drugs. *Drug Discovery Today*, 12(23-24): 1068-1075. <https://doi.org/10.1016/j.drudis.2007.09.005>
- Vieth M., Siegel MG, Higgs RE, Watson IA, Robertson DH, et al. (2004). Characteristic physical properties and structural fragments of marketed oral drugs. *Journal of Medical Chem*, 47: 224-232. <https://doi.org/10.1021/jm030267j>
- Zhang, L., Peng, X. M., Damu, G. L., Geng, R. X., & Zhou, C. H. (2014). Comprehensive review in current developments of imidazole-based medicinal chemistry. *Medicinal research reviews*, 34(2): 340-437. <https://doi.org/10.1002/med.21290>