

## DAFTAR PUSTAKA

- Afianti, H. P. & Murrkmiyadi, M., 2015. Pengaruh Variasi Kadar *Gelling Agent* HPMC Terhadap Sifat Fisik dan Aktivitas Antibakteri Sediaan Gel Ekstrak Etanolik Daun Kemangi (*Ocimum basilicum L. forma citratum Back.*). *Majalah Farmaseutik*, Volume 11, pp. 307-315.
- Anderson, N., Bauer, M., Boussac, N., Khan-Malek, R., Munden, P. & Sardaro, M., 1998. An Evaluation of Fit Factors and Dissolution Efficiency for The Comparison of In Vitro Dissolution Profiles. *Journal of Pharmaceutical and Biomedical Analysis*, Volume 17, pp. 811-822.
- Anonim, 2020. *Farmakope Indonesia*. 6th ed. Indonesia: Kementerian Kesehatan Republik Indonesia.
- AOAC, 2019. 'Appendix F: Guidelines for Standar Method Performance Requirements', in *AOAC Official Methods of Analysis*. s.l.:AOAC International.
- Bandopadhyay, S., Bandyopadhyay, N., Deb, P. K., Singh, C. & Tekade, R. K., 2018. *Dosage Form Design Considerations*. United States: Academic Press.
- Bashir, S., Zafar, N., Lebaz, N., Mahmood, A. & Elaissari, A., 2020. Hydroxypropyl Methylcellulose-Based Hydrogel Copolymeric for Controlled Delivery of Galantamine Hydrobromide in Dementia. *Processes*, pp. 6-7.
- Brady, J., Lee, T. D. & Li, J., 2017. Chapter 7 - Polymer Properties and Characterization. In: *Developing Solid Oral Dosage Forms (Second Edition)*. United States: Academic Press, pp. 181-223.
- Chaerub, J., 2020. Tinjauan atas Angiotensin Receptor Blocker Generasi Baru. *CDK-289*, pp. 715-718.
- Deshmukh, K., Ahamed, M. B., Deshmukh, R. R., Pasha, S. K. K., Bhagat, P. R. & Chidambaram, K., 2017. 3 - Biopolymer Composites With High Dielectric Performance: Interface Engineering. In: *Biopolymer Composites in Electronics*. India: Elsevier, pp. 27-128.
- Durdagi, S., Al-Jalawee, A. H. H., Yalcin, P., Bozkurt, A. S. & Salcan, S., 2023. Morphological Characterization and Phase Determination of Kidney Stones Using X-Ray Diffractometer and Scanning Electron Microscopy. *Chinese Journal of Physics*, Juni, Volume 83, pp. 379-388.
- El-Say, K. M., Alamri, S. H., Alsulimani, H. H., Alharbi, W. S., Omar, A. M., Safo, M. K. & Ahmed, T. A., 2023. Incorporating Valsartan in Sesame Oil Enriched Self-nanoemulsifying System-loaded Lquisolid Tablets to Improve Its Bioavailability. *International Journal of Pharmaceutics* 639, pp. 1-2.
- Fadlelmoula, A., Pinho, D.; Carvalho, V. H., Catarino, S. O. & Minas, G., 2022. Fourier Transform Infrared (FTIR) Spectroscopy to Analyse Human Blood Over the Last 20 Years: A Review Towards Lab-on-a-Chip Devices. *Micromachines*, Februari, Volume 12, p. 187.
- Fouad, S. A., Malaak, F. A., El-Nabarawi, M. A., Zeid, K. A. & Ghoneim, A. M., 2021. Preparation of Solid Dispersion Systems for Enhanced Dissolution of Poorly Water Soluble Diacerein: In-Vitro Evaluation, Optimization and Physiologically Based Pharmacokinetic Modeling. *PLOS ONE*, January.

- Gill, P., Moghadam, T. T. & Ranjbar, B., 2010. Differential Scanning Calorimetry Techniques: Applications in Biology and Nanoscience. *Journal of Biomolecular Techniques*, Desember, Volume 21, pp. 167-193.
- Gupta, D. K., Negi, R., Kala, S., Juyal, D & Geeta, R., 2014. A Review On Solid Dispersion: A Modern Formulation Approach In Drug. *Journal of Applied Pharmaceutical Research*, October-December, 2(4), pp. 27-32.
- Harmono, H. D., 2020. Validasi Metode Analisis Logam Merkuri (Hg) Terlarut pada Air Permukaan dengan Automatic Mercury Analyzer. *Indonesian Journal of Laboratory*, Volume 2, pp. 11-16.
- Helsinta, N., Halim, A., Octavia, M. D. & Rival, H., 2021. Review: Solid Dispersion of Fenofibrate Using Poly Ethylene Glycol 6000. *Int. Journal of Pharmaceutical Sciences and Medicine (IJPSM)*, 6(6), pp. 42-51.
- Hill, R. D. & Vaidya, P. N., 2023. *Angiotensin II Receptor Blockers (ARB)*. [Online]  
Available at: <https://www.ncbi.nlm.nih.gov/books/NBK537027/>
- Jambhekar, S. S. & Breen, P. J., 2012. *Basic Pharmacokinetics*. 2nd ed. London: Pharmaceutical Press.
- Kartalina, E. & Wibowo, D. N., 2021. Peningkatan Disolusi Celecoxib Melalui Pembentukan Dispersi Padat dengan HPMC-PEG 6000. *Jurnal Ilmu Farmasi dan Farmasi Klinik*, Desember, Volume 18, pp. 64-70.
- Kemkes, 2023. *Hipertensi Disebut sebagai Silent Killer, Menkes Budi Imbau Rutin Cek Tekanan Darah*. [Online]  
Available at: <https://www.kemkes.go.id/article/view/23060700002/hipertensi-disebut-sebagai-silent-killer-menkes-budi-imbau-rutin-cek-tekanan-darah.html>
- Krishna, R. & Yu, L., 2008. *Biopharmaceutics Application in Drug Development*. New York: Springer Science+Business Media.
- Kumala, A. P., 2016. Kecepatan Pelarutan Piroksikam Hasil Pembentukan Dispersi Padat dengan PEG 4000 dan PEG 6000. *AKFARINDO*, Volume 1, pp. 10-18.
- Lu, J. X., Tupper, C. & Murray, J., 2022. *Biochemistry, Dissolution and Solubility*. [Online]  
Available at: <https://www.ncbi.nlm.nih.gov/books/NBK431100/#:~:text=Dissolution%20is%20the%20process%20where,is%20said%20to%20be%20saturated.>
- Malkawi, R., Malkawi, W. I., Al-Mahmoud, Y. & Tawalbeh, J., 2022. Current Trends on Solid Dispersion: Past, Present, and Future. *Advances in Pharmacological and Pharmaceutical Sciences*, pp. 1-2.
- Mohammed, A. & Abdullah, A., 2018. *Scanning Electron Microscopy (SEM): A Review*. Baile Govora, s.n., pp. 77-85.
- Najih, Y. A., Yuyun, N., Rakhma, D. N., Widjaja, B. & Dzariasil, M. W. F., 2021. Karakterisasi Dispersi Padat Meloksikam dengan Matriks Campuran PEG 6000 dan Poloxamer 188 yang Dibuat Menggunakan Metode Kombinasi. *PHARMACEUTICAL JOURNAL OF INDONESIA*, Volume 5, pp. 113-117.
- PubChem, 2023. *Explore Chemistry*. [Online]  
Available at: <https://pubchem.ncbi.nlm.nih.gov/>

- Rowe, R. C., Sheskey, P. J. & Quinn, M. E., 2009. *Handbook of Pharmaceutical Excipients*. 6th ed. Great Britain: RPS Publishing.
- Sapkal, S.B., Shinde, S.A., Darakhe, R.A. & Shrikhande, VN., 2018. Solid Dispersion of Valsartan for Solubility Improvement Using  $\beta$ -cyclodextrin. *MOJ Bioequivalence & Bioavailability*, Volume 5, pp. 313-319.
- Seftian, M., 2022. Pengembangan dan Karakterisasi Dispersi Padat Valsartan dengan PVP-VA Ko-Polimer dan Poloxamer 407 Sebagai Pembawa, *Tesis*, Universitas Gadjah Mada, Yogyakarta.
- Sumartini, Hasibuan, N. E. & Gurusmatika, S., 2021. Karakteristik *Thermal Shortening* Minyak Biji Karet, Minyak Ikan, dan Stearin Sawit Menggunakan *Differential Scanning Calorimetry* (DSC). *Jurnal AgriTechno*, Volume 14, pp. 26-35.
- WHO, 2023. *Hypertension*. [Online] Available at: <https://www.who.int/news-room/fact-sheets/detail/hypertension>
- Xu, W-J., Xie, H-J., Cao, Q-R., Shi, L-L., Cao, Y., Zhu, X-Y. & Cui, J-H., 2016. Enhanced Dissolution and Oral Bioavailability of Valsartan Solid Dispersions Prepared by A Freeze-drying Technique Using Hydrophilicpolymers. *Drug Delivery*, Volume 23, pp. 41-48.
- Yoshida, A., Kaburagi, Y. & Hishiyama, Y., 2016. *Material Science and Engineering of Carbon*. Massachusetts: Butterworth-Heinemann.
- Zaini, E., Putri, V. Z., Octavia, M. D. & Ismed, F., 2017. Peningkatan Laju Disolusi Dispersi Padat Amorf Genistein dengan PVP K-30. *Jurnal Sains Farmasi & Klinis*, Volume 4, pp. 62-72.