## DAFTAR PUSTAKA


Abdou, H. M. Disolution, Bioavaibility and Bioequivalence. Pennsylavania: Mack Publishing Company, 1989.

Ansel, Howard C. Pengatar Bentuk Sediaan Farmasi Edisi Keempat. Jakarta:UI Press;1989.

Aritonang, A. B. Suparnawati, Harlia Warsidah. Produksi dan Karakterisasi Bicharampas Tebu *(Saccharum Officinarum lin)*: indo J. Pure App. Chem .2021; Vol. 4(2)

Banakar, Umesh V. Pharmaceutical Dissolution Testing. USA: Marcell Dekker Inc, 1991.

Bayoumi, A. A. Enhancement of solubility of a poorly soluble antiplatelet aggregation drug by cogrinding technique. *Asian J Pharm Clin Res*. 2018; *11*(10), 340-344.

Bhatt, D. L., Pollack, C. V., Mazer, C. D., Angiolillo, D. J., Steg, P. G., James, S. K.&Verma, S. Bentracimab for ticagrelor reversal in patients undergoing urgent surgery. *NEJM Evidence*.2022 ;1(3)

Bunaciu, AA, VD Hoang, HYA Enein. Penerapan Spektrofotometri FT-IR dalam Diagnostik Kanker. Tinjauan Kritis dalam Kimia Analitik .2015; 2(45): 156-165

Dachriyanus. Analisis Struktur kimia senyawa organik secara spektrofotometri. Cetakan pertama. Padang: CV. Trianda Anugrah Pratama; 2004

Departemen Kesehatan Republik Indonesia. Farmakope Indonesia Edisi VI. Jakarta: Departemen Kesehatan Republik Indonesia;2020

Dobesh, P. P., & Oestreich, J. H. Ticagrelor: Pharmacokinetics, pharmacodynamics, clinical efficacy, and safety. *Pharmacotherapy*. 2014;*34*(10), 1077–1090.

Drugbank .2024. Ticagrelor: https://go.drugbank.com/drugs/DB08816. diakses mei 2024.

European Directorate for the quality of medicine (EDQM). European Pharmacopoeia edisi 11. france: Council of Europe;2023

Fadholi, Ahmad. Disolusi dan Pelepasan obat in-vitro. Yogyakarta: Pustaka Pelajar.2013:65-71

Fitriani, L., Irma, A., Afriyani., Friardi, I., Erizal, Z. Solid Dispersion of Usnic Acid – HPMC 2910 Prepared by Spray Drying and FreezeDrying Techniques. Oriental Journal of Chemistry. 2018; 34 (4): 2083 – 2088.

Fitriani, L., Tirtania, S., Umar, S., & Zaini, E. (2024). Enhancing the solubility and dissolution rate of piperine via preparation of piperine–hydroxypropyl methylcellulose 2910 solid dispersion system using freeze-drying method. *Journal of Pharmacy & Pharmacognosy Research*, *12*(1), 175-183.

Gennaro RA, Lippincott Williams & wilkins. Remington: The science and practice of pharmacy, 21t. Easton: Mack Publishing Compan;1990

Gennaro RA, Lippincott Williams & wilkins. Remington: The science and practice of pharmacy, 21t. Easton: Mack Publishing Company;2000

Ghareeb, M. M., & Mohammed, I. A. Investigation of Solubility Enhancement Approach of Ticagrelor. *Iraq Journal of Pharmaceutical Sciences*.2018; *27*(1).

Haser, A. dan F. Zhang. 2018. New strategies for improving the development and performance of amorphous solid dispersions. Aaps Pharmscitech, 19(3), 978-990.

Helsinta, N., Halim, A., Octavia, M. D., & Rivai, H. Solid Dispersion of Fenofibrate Using Poly Ethylene Glycol 6000. *Int. J. Pharm. Sci. Med.*, 2021; *6*(6), 42-51.

Hirlekar, R., Kadam, V. 2009. Preformulation Study of the Inclusion Complex Irbesartan-ß-Cyclodextrin. AAPS Pharm. Sci. Tech. 10: 276-281

Hu, X. Y., Lou, H., & Hageman, M. J. Preparation of lapatinib ditosylate solid dispersions using solvent rotary evaporation and hot melt extrusion for solubility and dissolution enhancement. *International journal of pharmaceutics*, 2018; *552*(1-2), 154-163.

Jeon, H. S., Kim, M. J., Choi, H. Y., Kim, Y. H., Kim, E. H., Kim, A. R., & Lim, H. S. Pharmacokinetics and pharmacodynamics of ticagrelor and prasugrel in healthy male Korean volunteers. *Clinical therapeutics*.2015; *37*(3), 563-573.

Jessica, A, Wahyuni, S, Fitriani, L, & Zaini, E. Increased Dissolution RateOf Aceclofenac By FormationOf Multicomponent Crystals With L-Glutamine. International Journal of Applied Pharmaceutics. 2024; 16 (1): 45 – 52.

Jessica, A., Sari, E., Yenti, R., & Zaini, E. Pembentukan dan Karakterisasi Dispersi Padat Kandesartan Sileksetil-HPMC dengan Teknik Solvent Co-Evaporation. *JSFK (Jurnal Sains Farmasi & Klinis)*. 2023; *10*(1), 71-77.

Kabil, M. F., Dena, A. S. A., & El-Sherbiny, I. M. Ticagrelor; Profiles of Drug Substances, Excipients and Related Methodology. 2022; 47, 91-111.

Kawabata, Y., K. Wada., M. Nakatani., S. Yamada dan S. Onoue. 2011. Formulation design for poorly water-soluble drugs based on biopharmaceutics classification system: basic approaches and practical applications. International journal of pharmaceutics, 420(1), 1-10.

Larrucea, E., A. Arellano., S. Santoyo dan P. Ygartua. 2002. Study of the complexation behavior of tenoxicam with cyclodextrins in solution: improved solubility and percutaneous permeability. Drug development and industrial pharmacy, 28(3), 245-252

Marliza, H., Ananta, I. G. B. T., Rusmalina, S., Farm, S., Malo, A. K. H., Meray, N. W., & Pratiwi, D. KIMIA DASAR: Teori komprehensif. Jambi: PT. sonpedia Publishing Indonesia;2023.

Marsora, Astika. Kajian Sistem Dispersi Padat Candesartan Cilexetil-Pvp K-30 Menggunakan Metode Pelarutan [skripsi]. Padang: Sekolah Tinggi Ilmu Farmasi;2019.

Martin, A, J. Swarbrick, & A. Cammarata. Physical Pharmacy (2nd ed). Philadelphia: Lea & Febiger: 290-321;1990.

Martin, A, Swarbrick, & A. Cammarata. Physical Pharmacy (3th ed). Philadelphia: Lea & Febiger;1993.

Martin, Eric W. Dispensing of Medicine 7th Edition. USA: Mack Publishing;1971.

Muniyasamy, C. A. Formulation and Evaluation of Ticagrelor Sublingual Tablets [Disertasi]. Madurai: Madurai Medical College;2018.

Najih, Y. A., Widjaja, B., Rakhma, D. N., & Satrio, A. (2022). Uji Disolusi Kokristal Meloksikam dan Asam Malonat Sebagai Koformer Dibuat dengan

Metode Slurry. *Journal of Pharmaceutical Care Anwar Medika (J-PhAM)*, *5*(1), 25-36.

Pratiwi, R. A., & Nandiyanto, A. B. D. How to read and interpret UV-VIS spectrophotometric results in determining the structure of chemical compounds. *Indonesian Journal of Educational Research and Technology*, 2022; *2*(1), 1-20.

Pubchem. 2024. Ticagrerol. https://pubchem.ncbi.nlm.nih.gov/compound/9871419

Pudjaatmaka Hadyana, Murwani Patimah, Taufik Agus. Kamus Kimia Organik dan Geokimia. Jakarta: Departemen Pendidikan dan kebudayaan;1989.

Rowe, R. C., Sheskey, P. J., & Quinn, M. E. Handbook of pharmaceutical excipients (6th ed.). London: Pharmaceutical Press ;2009.

Salman, A., Nasrul, Elliza Rivai, Harrizul. Ben, E. S., & Zaini. (2015). Physicochemical characterization of amorphous solid dispersion of ketoprofen–Polyvinylpyrrolidone K-30. *Int. J. Pharm. Pharm. Sci*, *7*(2).

Sari, Y. N., Zaini, E., & Ismed, F. Peningkatan laju disolusi piperine dengan pembentukan multikomponen kristal menggunakan asam nikotinat. *JSFK (Jurnal Sains Farmasi & Klinis)*,2019 ;*6*(2), 180-185.

Setyawan, D., A. A. Fadhil., D. Juwita., H. Yusuf dan R. Sari. 2017. Enhancement of solubility and dissolution rate of quercetin with solid dispersion system formation using hydroxypropyl methyl cellulose matrix. Thai Journal of Pharmaceutical Sciences, 41(3), 112-116.

Shah, A., Schiller, J. A., Ramos, I., Serrano, J., Adams, D. K., Tawfick, S., & Ertekin, E. Automated image segmentation of scanning electron microscopy images of graphene using U-Net Neural Network. *Materials Today Communications*,2023;*35*.

Shargel, L., & Yu, A. B. C. Applied Biopharmaceutics & Pharmacokinetics (7th ed.). McGraw-Hill Education; 2016

Shrestha S, Sudheer P, Sogali BS, Soans D., 2017. A Review: Solid Dispersion, A Technique Of Solubility Enhancement, Journal of Pharmaceutical Research.2017; 16(1): 25-31.

Sienko, M.J. dan Plane, R.A.Chemistry.USA: Mc Graw-Hill Book Company, Inc. ;1961

Stevens, M.P. Polymer Chemistry: An Introduction. Oxford University Press, Inc. Terjemahan I. Sopyan. 2007. Kimia Polimer. Cetakan Kedua. Jakarta: PT. Pradnya Paramita; 2007.

Stuart, B. Infrared Spectroscopy: Fundamentals and Applications. Chichester, UK: John Wiley & Sons;2004

Suhartati T. Dasar- Dasar Spektrofotometri uv-vis dan Spektrofotometri Massa untuk penentuan struktur senyawa organik. Bandar Lampung: penerbit Anugra utama raharja; 2017.

Suhesti, I. Pengaruh metode pengeringan beku (freeze drying) terhadap nilai total fenol dan nilai sun protection factor (SPF) ekstrak etanol biji kopi robusta (Coffea canephora pierr A. Froehner). Jurnal Farmasindo. 2019; 3(2), 19-25.

Thomas, Jennings. Lyophilization: Introducting and Basic Principle. London: CRC Press.1998; 5-6

Umar, S., Usman, H., Salsabila, H., & Zaini, E. (2022). Solid Dispersion of Tenoxicam – HPMC by Freeze-Drying: Solid State Properties, Dissolution Study, and Analgesic Activity in Mice Macedonian Journal of Medical Sciences.2022; 10(A), 800–806

Voigt, R., 1984, Buku Pelajaran Teknologi Farmasi, Diterjemahkan Oleh Soewandhi, S.N., Edisi V. Yogyakarta: Gadjah Mada University Press;1984.

WaitmenaT. dan Siregar ,C.J.P .Beberapa Aspek Pokok Pengujian Mutu Perbekalan Farmasi .Bandung : PT Intergrafika ; 1986.

Xu, H., Liu, L., Li, X., Ma, J., Liu, R., & Wang, S. Extended tacrolimus release via the combination of lipid-based solid dispersion and HPMC hydrogel matrix tablets. *Asian journal of pharmaceutical sciences*, 2019; *14*(4), 445-454.

Yolanda, S. Pembuatan Multikomponen Kristal Simvastatin dengan Koformer Meglumine menggunakan Metode Solvent Drop Grinding. [Skripsi]. Padang : Universitas Dharma Andalas; 2023.

Yuliandra, Y., L. Fitriani., R. Kurniawan., F. Yasardi dan E. Zaini. 2020. Solid Dispersions of Famotidine: Physicochemical Properties and In Vivo Comparative Study on the Inhibition of Hyperacidity. ChemistrySelect, 5(29), 9218-9225.,28,29].

Zaini, E., Fitriani, L., Effendy, S., Noviza, D., & Halim, A.2017. Preparation and characterization of solid dispersion telmisartan-hydroxypropyl methyl cellulose (HPMC) E5 LV by co-grinding method. Orient J Chem.; 33(2), 873-8.

Zola, E. G., Umar, S., & Zaini, E. (2023). Metode Peningkatan Kelarutan DenganDispersi Padat. *Journal of Pharmaceutical and Sciences*, 1880-1887