



DAFTAR PUSTAKA

- Agresti, A. (2015). *Foundations of linear and generalized linear models*. John Wiley & Sons.
- Ahmad, M. R., Girija Sastry, V., Bano, N., and Anwar, S., (2016). *Synthesis of Novel Chalcone Derivatives by Conventional and Microwave Irradiation Methods and Their Pharmacological Activities*. *Arabian Journal of Chemistry*, 9, S931–S935.
- Andersen, A., 2006, *Final report on the safety assessment of benzaldehyde*, Int J. Toxicol., 25 (1), 11–27.
- Atkins, P., & Jones, L. (2008). *Chemical Principles: The Quest for Insight*. W. H. Freeman and Company.
- Cavanagh, J., Fairbrother, W. J., Palmer III, A. G., & Skelton, N. J. (2007). *Protein NMR Spectroscopy: Principles and Practice*. Academic Press.
- Chattopadhyay, I., Biswas, K., Bandyopadhyay, U., Banerjee, R.K. 2004. *Turmeric and curcumin: Biological actions and medicinal applications*. Current Science, Vol 4:1.
- Clayden, J., Greeves, N., & Warren, S. (2012). *Organic Chemistry*. Oxford University Press.
- Corey, E. J., & Cheng, X. M. (1989). *The Logic of Chemical Synthesis*. John Wiley & Sons. New York.
- Cos, P., Vlietinck, A.J., Berghe, D.V., Maes, L., 2006, *Anti-Infective Potential of Natural Product: How to Develop a Stronger In Vitro, “Prof-of-Concept”*, Journal of Ethnopharmacology, 106, 290-302.
- Davies, J., & Davies, D. (2010). *Asal usul dan evolusi resistensi antibiotik. Tinjauan Mikrobiologi dan Biologi Molekuler*, 74(3), 417–433.
- Fessenden, R.J. & Fessenden, J.S., 1986, *Organic Chemistry*, 3rd Ed., 854-868, John Wiley & Sons, Inc., New York.
- Finney, D. J. (1952). *Probit Analysis: A Statistical Treatment of the Sigmoid Response Curve*. Cambridge University Press.
- Gandjar, I.G., & Rohman, A., 2014, *Kimia Farmasi Analisis*, 353, Pustaka Pelajar, Yogyakarta.



- Gilbert, J.C., & Martin, S.F. (2010). *Experimental Organic Chemistry: Principles and Practice*. Cengage Learning.
- Goodman, L. S., Brunton, L. L., Chabner, B. A. (2017). *Goodman & Gilman's: The Pharmacological Basis of Therapeutics* (13th ed.). McGraw-Hill Education.
- Hogg, J. L. (2000). *NMR Spectroscopy*. Oxford Chemistry Primers.
- Jawetz, E., Melnick, J. L., Adelberg, E. A., 2001, Mikrobiologi Kedokteran, Edisi XXII, diterjemahkan oleh Bagian Mikrobiologi Fakultas Kedokteran Universitas Airlangga, 205-209, Penerbit Salemba Medika, Yogyakarta
- Jenie, U.A., 2015, *Prinsip-prinsip Reaksi Fragmentasi pada Spektrometer Massa, Catatan Kuliah, Spektrometri Massa*, Universitas Gadjah Mada, diakses pada 25 Februari 2023.
- Kenna, S.M. & Davies, K.J., 1988, *The inhibition of bacterial growth by hypochlorous acid. Possible role in bactericidal activity of phagocytes*, *Biochem. J.*, 254 (3), 685-692.
- Khatun M, Md Ashaduzzaman N, Sangram B, Maruf K M. Ziaul A. *Assessment of the anti-oxidant, antiinflammatory and anti-bacterial activities of different types of turmeric (*Curcuma longa*) powder in Bangladesh*. *Journal of Agriculture and Food Research*. 2021; 6: 1-7.
- Kolarevic, S., Milovanovic, D., Avdovic, M., Oalde, M., Kostic, J., Sunjog, K., Nikolic, B., Vukcevic, J.K., Gacic, B.V., 2016, *Botania Serbica*, 40 (1), 29-36.
- K. A. Fox and T. G. Whitham, 2017. Halogen-Mediated Defense in Plants and Microorganisms in Annual. *Review of Phytopathology*.
- Mavandadi, F., & Pilotti, Å. (2006). *The impact of microwave-assisted organic synthesis in drug discovery* REVIEWS, 11(3), 165–174.
- McMurry, J., 2004, *Organic Chemistry*, 6th Ed., Brooks/Cole, USA.
- Musser, M.T., 2005, *Cyclohexanol and Cyclohexanone in Ullmann's Encyclopedia of Industrial Chemistry*, Wiley-VCH, Weinheim.
- Mosmann, T. (1983). *Rapid colorimetric assay for cellular growth and survival: application to proliferation and cytotoxicity assays*. *Journal of Immunological Methods*, 65(1-2), 55-63.



- Nagy, Z.K., Fujiwara, M. & Braatz, R.D., 2008, *Modelling and control of combined cooling and antisolvent crystallization processes*, Journal of Process Control., 18 (9), 856-864.
- S. E. Nather et al., *Evaluation of Antibacterial Activity of Morindacitrifolia, Vilextrifolia, and Chromolaenaadorata*, African Journal of Pharmacy and Pharmacology, vol. 6, no. 11, pp. 783- 788, 2012.
- Núñez N, Vidal-Casanella O, Sentellas S, Saurina J, Núñez O., 2020, *Characterization, Classification and Authentication of Turmeric and Curry Samples by Targeted LC-HRMS Polyphenolic and Curcuminoid Profiling and Chemometrics*, Molecules, 25(12), 2942.
- O'Neill, J. (2014). *Antimicrobial resistance: tackling a crisis for the health and wealth of nations. The review on antimicrobial resistance*, 20, 1-20.
- Pasilis, S. P., & Van Berkel, G. J. (2006). *Direct analysis in real time mass spectrometry (DART-MS) in forensic and security applications*. Forensic Science Yogyakarta, 157(1), 1-14.
- Pavia, D.L., Lampman, G.M. & Jr. George, S.K., 1979, *Introduction to Spectroscopy: A Guide for Students of Organic Chemistry*, 26-53, W. B. Saunders Company, Philadelphia.
- Pavia, D.L., Lampman, G.M., Kriz, G.S., & Engel, R.G. (2014). *Introduction to Spectroscopy*. Cengage Learning.
- Pelczar, M. J., Chan, E. C. S., 1988. Dasar-Dasar Mikrobiologi. Yogyakarta: Universitas Yogyakarta Press.
- Pudjono, Sismindari & Widada, H., 2008, *Sintesis 2,5-bis-(4'-hidroksi benziliden)-siklopantanon dan 2,5-bis-(4'-klorobenziliden)-siklopantanon serta uji antiproliferatifnya terhadap sel HeLa*, Majalah Farmasi Yogyakarta, 19 (1), 48 – 55.
- Ritmaleni, 2017, Unpublish Research Data, 17 April 2018.
- Salle, A. J., 1961, *Fundamental Principle of Bacteriology*, 5th Ed., 719, 738-739, McGraw Hill Company Inc., New York
- Sardjiman, 2000, *Synthesis of Some New Series of Curcumin Analogues, Anti - oxidative, Anti-inflammatory, Anti-bacterial Activities and Qualitative*



Structure-Activity-relationship, Disertasi, Universitas Gadjah Mada, Yogyakarta.

Sardjiman, Reksohadiprodjo, M.S. & Timmerman, H., 2003, *Derivates of Benzilidene Cyclohexanone, Benzylidene Cyclopentanone, and Benzylidene Acetone, and Their Synthesis, United States Patent*, Yogyakarta. Paten: US 6,541,672 B1, tanggal paten: 1 April 2003.

Sastrohamidjojo, H., 2001, *Spektroskopi*, ed. II, Penerbit Liberty, Yogyakarta, p46-48, 71-72, 102-113.

Sinko, P.J. & Singh, Y., 2011, *Martin's Physical Pharmacy and Pharmaceutical Sciences*, 6th Ed., 22, Lippincott Williams & Wilkins, Philadelphia.

Silverstein, R. M., Webster, F.X. & Kiemle, D.J., 2005, *Spectrometric Identification of Organic Compounds*, 7th Ed., 14-15, 142, John Wiley & Sons, Inc., New York.

Stieger, N. & Liebenberg, W., 2012, *Recrystallization of Active Pharmaceutical Ingredients*, Crystallization-Science and Technology.

Sykes, P., 1977, *A Guidebook to Mechanism Organic Chemistry*, Longman, Great Britain.

Wadhwani, T., Desai, K., Patel, D., Lawani, D., Bahaley, P., Joshi, P. & Kothari, V., 2009, *Effect of various solvents on bacterial growth in context of determining MIC of various antimicrobials*, The Internet Journal of Microbiology, 7 (1).

Wiegand, I., Hilpert, K., & Hancock, R. E. (2008). *Agar and broth dilution methods to determine the minimal inhibitory concentration (MIC) of antimicrobial substances*. *Nature Protocols*, 3(2), 163-175.