

## DAFTAR PUSTAKA

- Adosraku, R K., James, O K., Isaac, Y A, (2013), Characterization And HPLC Quantification Of Piperine Isolated From *Piper Guineense* (Fam. Piperaceae), *International Journal of Pharmacy and Pharmaceutical Sciences*, Vol 5, Issue 1, 2013 ISSN- 0975-1491.
- Anonim, (1986), Mid Career Training In Pharmacology, Fakultas Farmasi UGM, Yogyakarta cit Arsito, P.N., (2013), Pengaruh Marmin (Senyawa Aktif *Aegle Marmelos Correa.*) Terhadap Beberapa Reseptor Fisiologis Otot Polos Ileum Marmut Terisolasi: Studi In Vitro Dan In Silico, Fakultas Farmasi Universitas Gajah Mada, Yogyakarta.
- Antony, A. S., Jaya Sankar, K., Roy, P. D., Vadivelan, R., Satish Kumar, M. N., & Elango, K., (2010), Pharmacological and biomolecular investigations of a polyherbal formulation (AAF-6) for its antiasthmatic activity, *International Journal of Green Pharmacy*, 4(4), 257.
- Bang, J. S., Choi, H. M., Sur, B. J., Lim, S. J., Kim, J. Y., Yang, H. I., & Kim, K. S., (2009), Anti-inflammatory and antiarthritic effects of alkaloid ladae in human interleukin 1 $\beta$ -stimulated fibroblast-like synoviocytes and in rat arthritis models, *Arthritis research & therapy*, 11(2), R49.
- Bojjireddy, N., Sinha, R. K., & Subrahmanyam, G., (2014), Alkaloid ladae inhibits type II phosphatidylinositol 4-kinases: a key component in phosphoinositides turnover, *Molecular and cellular biochemistry*, 393(1-2), 9.
- Departemen Kesehatan Republik Indonesia, (2008), *Farmakope Herbal Indonesia Edisi 1*, Jakarta: Departemen Kesehatan Republik Indonesia.
- Ditjen POM, (2000), *Parameter Standar Umum Ekstrak Tumbuhan Obat*, Cetakan Pertama. Jakarta: Departemen Kesehatan RI.
- Epstein, W. W., Netz, D. F., & Seidel, J. L., (1993), Isolation of alkaloid ladae from black pepper, *Journal of Chemical Education*, 70, 598.
- Fessenden, R.J., Fessenden, J.S., (1986), *Kimia Organik edisi ketiga jilid 1*, Jakarta: Erlangga.
- Gandjar, I.G., & Abdul Rohman, (2007), *Kimia Farmasi Analisis, Pustaka Pelajar*, Yogyakarta.

- Gosens, R., Zaagsma, J, Meurs, H. and Halayko, A.J., (2006), Muscarinic Receptor Signaling in the Pathophysiology of Asthma and COPD, *Respir.Res.*7(1) : 73-87.
- Hart, H., Craine, L. E., & Hart, D. J., (1999), *Organic chemistry: A short course*, Boston: Houghton Mifflin Co.
- Huang, J., Zhang, T., Han, S., Cao, J., Chen, Q., & Wang, S., (2014), The inhibitory effect of alkaloid ladae from Fructus piperis extract on the degranulation of RBL-2H3 cells, *Fitoterapia*, 99, 218-226.
- Janković, S. M., Milovanović, D. R., & Janković, S. V., (1999), Schild' s equation and the best estimate of pA2 value and dissociation constant of an antagonist, *Croat Med J*, 40(1), 67-70.
- Kadam, p. V., yadav, k. N., karjekar, f. A., patel, f. A., patidar, m. K., & patil, m. J., (2013), Pharmacognostic, phytochemical and physicochemical studies of allium sativum linn. Bulb (liliaceae), *International journal of pharmaceutical sciences and research*, 4(9), 3524.
- Katzung, B.G., Masters, S.B., dan Trevor, A.J., (2000), Basic and Clinical Pharmacology, 4th Edition, McGraw-Hill Company, 171-181.
- Khushbu, C., Roshni, S., Anar, P., Carol, M., & Mayuree, P., (2011), Phytochemical and therapeutic potential of Piper longum Linn a review. *IJRAP*, 2(1), 157-161.
- Kitchen, D. B., Decornez, H., Furr, J. R., & Bajorath, J., (2004), Docking and scoring in virtual screening for drug discovery: methods and applications, *Nature reviews Drug discovery*, 3(11), 935-949.
- Kolhe, Smita R., Priyanka, B., Urmi, P., (2011), Extraction And Evaluation Of Alkaloid Ladae From *Piper Nigrum* Linn., *International Journal Of Applied Biology and Pharmaceutical Technology*, Volume: 2: Issue-2: April-June - 2011, ISSN 0976-4550.
- Korb, O., Stützle, T., & Exner, T. E., (2006), PLANTS: application of ant colony optimization to structure-based drug design, In *International Workshop on Ant Colony Optimization and Swarm Intelligence* (pp. 247-258), Springer Berlin Heidelberg.
- Kroemer, R.T., (2007), *Structure-Based Drug Design: Docking and Scoring*, Current Protein and Peptide Science, Vol.8, No.4, 312-328.

- Lodish, H., Berk, A., Zipursky, A.L, Matsudaira, P., Baltimore, D., Darnell, J., 2000, *Molecular Cell Biology*, 4<sup>th</sup> ed, Freeman and Company, New York
- cit Ikawati, Z., (2008), *Pengantar Farmakologi Molekuler*, Gadjah Mada University Press, Yogyakarta.
- Lullmann, H., Mohr, K., Ziegler, A, dan Bieger, D., (2000), *Color Atlas of Pharmacology*, Second Edition, Thieme, New York.
- Madhavi, B. B., Nath, A. R., Banji, D., Madhu, M. N., Ramalingam, R., & Swetha, D., (2009), Extraction, identification, formulation and evaluation of alkaloid ladae in alginate beads, *International Journal of Pharmacy and Pharmaceutical Sciences*, 1(2), 156-161.
- Marliana, Soerya Dewi,. Venty, S,. Suyono, (2005), *Skrining Fitokimia dan Analisis Kromatografi Lapis Tipis Komponen Kimia Buah Labu Siam (Sechium edule Jacq. Swartz.) dalam Ekstrak Etanol*, Biofarmasi 3 (1): 26-31, Februari 2005, ISSN: 1693-2242.
- Meghwal, M., & Goshwami, T. K., (2012), Chemical composition, nutritional, medicinal and functional properties of black pepper: A review, *Open Access Sci Rep*, 1(2), 1-5.
- Morris, 2013, AutoDock. (<http://autodock.scripps.edu/>) dipublis 27 Februari 2013 13:43.
- Motiejunas, D., Wade, R., (2006), Structural, Energetics, and Dynamic Aspect of Ligand-Receptor Interaction, *Comprehensive medicinal chemistry*, elsevier, Oxford.
- Mujumdar, A. M., Dhuley, J. N., Deshmukh, V. K., Raman, P. H., & Naik, S. R., (1990), Anti-inflammatory activity of alkaloid ladae, *Japanese Journal of Medical Science and Biology*, 43(3), 95-100.
- Nugroho, A. E., Agistia, D. D., Tegar, M., & Purnomo, H., (2012), Interaction of active compounds from *Aegle marmelos* CORREA with histamine-1 receptor, *Bioinformation*, 9(8), 383-387.
- Offermanns, S. Dan Rosenthal, W., (2008), *Encyclopedia of Molecular Pharmacology*, 2nd ed., Springer-Verlag, New York.
- Pavia, D. L. (2000), *Introduction to Organic Laboratory Techniques, Third Edition*, United state : Brooks Cole/Thomson ( Page : 41, 50-51, 385, 399).
- Paul, N., & Rognan, D., (2002), ConsDock: A new program for the consensus analysis of protein–ligand interactions, *Proteins: Structure, Function, and Bioinformatics*, 47(4), 521-533.

- Pei, Y. Q., (1983), A review of pharmacology and clinical use of alkaloid ladae and its derivatives, *Epilepsia*, 24(2), 177-182.
- Rahim, F., (2010), An in silico development of selective inhibitor for histamine receptors, *Biotechnology*, 9(2), 157-163.
- Rismunandar, (2007), *Lada Budidaya dan Tata Niaga*, Penebar Swadaya, Jakarta, hlm. 2-88.
- Royal Society of Chemistry, (2009), *Ultraviolet-Visible Spectroscopy*, Royal Society of Chemistry.
- Sanders, K.M., (2001), Invited Review: Mechanisms of Calcium Handling in Smooth muscles, *J.Appl .Physiol*91: 1438–1449
- Setiyono, R.T., Udarn, L., Bambang, E. T., (2014), Keragaan Morfologi Dan Cara Budidaya Lada Lokal Ciinten, Diakses 25 Juli 2015 pukul 07.03 WIB, dari <http://balittro.litbang.pertanian.go.id/ind/images/publikasi/prosiding/4-%20Cara%20Budidaya%20Lada%20Lokal%20Ciinten.pdf>.
- Shimamura, T., Shiroishi, M., Weyand, S., Tsujimoto, H., Winter, G., Katritch, V., & Kobayashi, T., (2011), Structure of the human histamine H1 receptor complex with doxepin, *Nature*, 475(7354), 65-70.
- Shingate, P. N., Dongre, P. P., & Kannur, D. M., (2013), New method development for extraction and isolation of piperine from black pepper, *International Journal of Pharmaceutical Sciences and Research*, 4(8), 3165.
- Silverstein, M. Robert, Webster, X. Francis, Kiemle, J. David, (2005), *Spectrometric Identification of Organic Compounds 7th Ed*, State University of New York : College of Environmental Science & Forest. (Page: 91-93)
- Stuart, B., (2004), *Infrared Spectroscopy: Fundamentals And Applications*, Wiley.
- Tjitrosoepomo, G., (2004), *Taksonomi Tumbuhan (spermatophyta)*, Cetakan ke delapan. UGM Press. hal. 244.