

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 ISSN- 0975-1491.
- Aps, Richard., Balthasar, Nina., Bannister, Neil., Bates, David., Coleman, Harold A., Colegrave, Nick., Crabtree, John., Robinson, Emma., 2013, *Essential Guide to Reading Biomedical Papers: Recognising and Interpreting Best Practice* , Wiley-Blackwell : Brixton, UK
- Alvarez, J., & Shoichet, B. (Eds.). 2005. *Virtual Screening in Drug Discovery*. Taylor and Francis.
- Amaliah, Dwi. R., 2016, Uji Aktivitas Antagonisme Alkaloid Lada (*Piper nigrum* L.) pada Reseptor Histamin H2 Otot Polos Ileum Marmut Terisolasi : Studi In Vitro dan In Silico. *Skripsi, Program Studi Farmasi, Fakultas Kedokteran dan Ilmu Kesehatan, Universitas Muhammadiyah Yogyakarta*
- Bai YF, Xu H.2000. Protective action of piperine against experimental gastric ulcer. *Acta Pharmacol Sin* 21 : 357–359
- 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 piperine in human interleukin 1 β -stimulated fibroblast-like synoviocytes and in rat arthritis models. *Arthritis research & therapy*, 11(2), R49.
- Claus, Edward P., Varro E. Tyler, and Lynn R. Brady, 1970, *Pharmacognosy*, 6th ed, Lea & Febiger, Philadelphia, 247.
- Do, M.T., Kim, H.G., Choi, J.H., Khanal, T., Park, B.H., Tran, T.P., Jeong, T.C., Jeong, H.G., 2013. Antitumor efficacy of piperine in the treatment of human HER2-overexpressing breast cancer cells. *Food Chemistry* 141, 2591–2599.
- Dodd-o, J.M., Zheng, G., Silverman, H.S., Lakatta, E.G., Ziegelstein, R.C., 1997. Endothelium-independent relaxation of aortic rings by the nitric oxide synthase inhibitor diphenylethylidenehydrazine. *British journal of pharmacology* 120, 857–864.

- Epstein, W. W., Netz, D. F., & Seidel, J. L., (1993), Isolation of alkaloid ladae from black pepper, *Journal of Chemical Education*, 70, 598.
- Foloppe, N., & Chen, I.-J. (2009). *Conformational Sampling and Energetics of Drug-like Molecules*. Current Medicinal Chemistry.
- 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.
- Grosdidier A, Zoete V, Michielin O., 2007. docking of small molecules into protein active sites with a multiobjective evolutionary optimization protein. *EADock*: 67: 1010–25.
- Hlavackova, L., Urbanova, A., Ulicna, O., Janega, P., Cerna, A., Babal, P., 2010. Piperine, active substance of black pepper, alleviates hypertension induced by NO synthase inhibition. *Bratisl lek listy*:111(8)
- 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.
- Kazem , Mohammad G. N., Yahyavi, Hoda. 2008. Spasmolytic Activity of Piper Nigrum Fruit Aqueous Extract on Rat Non-Pregnant Uterus. *Iranian Journal Of Pharmacology & Therapeutics* 6:35-40.
- Kenakin, T. P. 1982. The Schild regressions in the process of receptor classification. *Can. J. Physiol. Pharmacol.* 60: 249-265.
- Kitchen, I (1984). *Textbook of in vitro Practical Pharmacology*. Blackwell Scientific Publications, Oxford.
- 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.
- Laurina, D., 2008. “Isolasi Piperin dari Lada Hitam dan Sintesis Asam Piperat serta Uji Aktivitasnya Sebagai Antibakteri Escherichia coli”. *Skripsi, Program Studi Kimia, Jurusan Kimia, Universitas Negeri Malang*.

- Lullmann, H., Mohr, K., Ziegler, A, dan Bieger, D., (2000), *Color Atlas of Pharmacology*, Second Edition, Thieme, New York.
- 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): 2631, 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.
- Miyauchi T, Ishikawa T, Sugishita Y, Sugishita Y, Saito A, Goto K., 1989, Involvement of calcitonin gene-related peptide in the positive chronotropic and inotropic effects of piperine and development of cross-tachyphylaxis between piperine and capsaicin in the isolated rat atria. *J Pharmacol Exp Ther.*;248: 816–824
- Motiejunas, D., & Wade, R. 2007. Structural, Energetics, and Dynamic Aspects of Ligand-Receptor Interactions. In *J. B. Taylor & D. J. Triggle (Eds.), Comprehensive Medicinal Chemistry II Volume 4: Computer-Assisted Drug Design* (Vol. 4, pp. 193-214). Elsevier.
- 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.
- Sanders, K.M., (2001), Invited Review: Mechanisms of Calcium Handling in Smooth muscles, *J. Appl. Physiol* 91: 1438–1449
- Schneider, G., & Baringhaus, K.-H. 2008. *Molecular Design: Concepts and Applications*. WILEY-VCH.
- 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.
- Stahl, E., 1985, *Analisis Obat secara Kromatografi dan Mikroskopi*, Edisi terjemahan (diterjemahkan oleh Kosasih Padmawinata, Iwang Soediro), ITB press, Bandung, 3-18.
- Tjitrosoepomo, G. 2007. *Taksonomi Tumbuhan (Spermatohyta)*. Gadjah Mada University Press. Yogyakarta. hal. 119.

Trevor, A.J., Katzung, B.G., Masters, S.B., Kruiiding-Hall, M., 2010. *Pharmacology Examination & Board Review*. McGraw-Hill Medical New York.

Vasavirama K. dan Mahesh Upender., 2014. Piperine : A Valuable Alkaloid From Piper Species. *International Journal of Pharmacy and Pharmaceutical Sciences*. Vol 6, Issue 4