

## DAFTAR PUSTAKA

- Achmad. S. A. 1989. *Analisis Metabolit Sekunder*. UGM Press. Yogyakarta.
- Andrian P. W. 2015. Pengaruh Pemberian Ekstrak Jahe Merah (*Zingiber officinale*) terhadap Kadar Glukosa Darah Puasa dan Postprandial pada Tikus Diabetes. FK Universitas Lampung. Lampung.
- Ali, B.H., G. Blunden, M. O. Tanira dan A. Nemmar. 2008. Some phytochemical, pharmacological and toxicological properties of ginger (*Zingiber officinale* Roscoe): A review of recent research. *Food and Chemical Toxicology*. 46: 409-420.
- Bartley, J. dan A. Jacobs. 2000. Effects of drying on flavour compounds in Australian-grown ginger (*Zingiber officinale*). *Journal of the Science of Food and Agriculture*. 80:209-215.
- Chandra Prakash, MD, MRCP, Washington University, St. Louis, MO - Published June 2005.
- Crawford Scientific. (2015). Fundamental GC-MS Introduction. CHROMacademy, e-learning for the analytical chemistry community.
- Denyer, C.V., P. Jackson, D.M. Loakes, M.R. Ellis dan D.A.B. Yound. 1994. Isolation of antirhinoviral sesquiterpenes from ginger (*Zingiber officinale*). *J Nat Products*. 57: 658-662.
- Departemen Kesehatan RI. (2009). *Farmakope Herbal Indonesia*. Edisi 1. Jakarta.
- Douglas, F. (2015). GC/MS analysis. Scientific Testimony, an Online Journal.
- Grasa, L., Rebollar, E., Arruebo, M. P., Plaza, M. A. and Murillo, M. D. (2005) The role of NO in the contractility of rabbit small intestine *in vitro*: Effect of K<sup>+</sup> channels. *J. Physiol. Pharmacol.* 56: 407-419.
- Groneberg, D.A., Grosse-Siestrup, C., Fischer, A. 2002. In Vitro Models to Study Hepatotoxicity. *TOXICOLOGIC PATHOLOGY*. 30 (3): 394-399.
- Hites. Ronald. Gas *Chromatography Mass Spectrometry*. School of Public and Environmental Affairs and Departement of Chemstry. Indiana Universitas.
- Ikawati, Z., (2006), Pengantar Farmakologi Molekuler, Gadjah Mada University, Press, Yogyakarta, 69-71.

- Japan Electron Optics Laboratory (JEOL). (2006). Mass Spectrometers: a short explanation for the absolute novice. USA.
- Jay, Than Hoon dan Kirana, Raharja. 2002. *Obat-obat penting*. Gramedia Jakarta.
- Katzung. 1989. Farmakologi Dasar dan Klinik Edisi 3. Jakarta. EGC.
- Katzung, b.g., Masters, S.B., dan Trevor, A.J., 2000, Basic dan Clinical Pharmacology, 4<sup>th</sup> edition, McGraw-Hill Company, 171-181.
- Kenakin, T., et al, 1997, *Molecular Pharmacology: a Short Course*, Blackwell Scientific Publication, New York, 171-181.
- Kitchen, D.B., Decornez, H., Furr, J.R., Bajorath, J., 2004. Docking and Scoring in Virtual Screening for Drug Discovery: Methods and Applications. Department of Computer-Aided Drug Discovery, Albany molecular Research, Inc. (AMRI), 21 Corporate Circle, Albany, New York 12212-5098.
- Kroemer, R.T., (2007). Structure-Based Drug Design: Docking and Scoring. *Current Protein and Peptide Science*, 8, 312-328.
- Kupiec, T. (2004). Quality-control analytical methods: Gas Chromatography. *International Journal of Pharmaceutical Compounding*. 8 (4): 305-309.
- Lammers, W. J. E. P., Stephen, B. and Slack, J. R. (2002) Similarities and differences in the propagation of slow waves and peristaltic waves. *J. Physiol. Gastrointest. Liver Physiol.* G.: 778-786.
- Lin, J.H., Lu, A.Y.H., 1997. Role of Pharmacokinetics and Metabolism in Drugs Discovery and Development. The American Society for Pharmacology and Experimental Therapeutic.
- Lullmann, H., Mohr, K., Ziegler, A. dan Bieger, D., 2000, *Color Atlas of Pharmacology*, Second Edition., Thieme, New York.
- Malagelada J-R, Malagelada C. Nausea and vomiting. In: Feldman M, Friedman LS, Brandt LJ, eds. Sleisenger & Fordtran's Gastrointestinal and Liver Disease. 9th ed. Philadelphia, PA: Saunders Elsevier; 2010: chap 14.
- Manju, V. dan N. Nalini. 2005. Chemopreventive efficacy of ginger, a naturally occurring anticarcinogen during the initiation, post initiation stages of 1, 2 dimethyl hydrazine-induced colon cancer. *Clin Chim Acta*. 358: 60-67.

- Masuda, T., A. Jito dan T.J. Mabry. 1995. Isolation and structure determination of cassumunarins A, B, C: new anti-inflammatory antioxidants from a tropical ginger, *Zingible cassumunar*. *J Am Oil Chem Soc.* 72: 1053-1057.
- Mcquaid K. Approach to the patient with gastrointestinal disease. In: Goldman L, Schafer AI, eds. *Goldman's Cecil Medicine*. 24th ed. Philadelphia, PA: Saunders Elsevier; 2011: chap 134.
- Mishra, P. 2009. Isolation, spectroscopic characterization and molecular modeling studies of mixture of *Curcuma longa*, ginger and seeds of fenugreek. *International Journal of PharmTech Research.* 1: 79-95.
- Morris, G.M., Goodsell, D.S., Pique, M.E., Linstrom, W., Huey, R., Forli, S., Hart, W.E., Halliday, S., Belew, R., Olson, A.J. (2012). Automated Docking of Flexible Ligands to Flexible Receptors. User Guide.
- Motiejunas, D., Wade, R., (2006). Structural, Energetics, and Dynamic Aspects of Ligand-Receptor Interactions.
- Mutschler, E., 1991. *Dinamika Obat*, edisi 5. Bandung: Penerbit ITB.
- Nemat A. Z. Yassin., El-Sayed M. ElRokh., Siham M. A. El-Shenawy and Bassant M. M. Ibrahim. (2012). the study of the antispasmodic effect of Ginger (*Zingiber officinale*) in vitro. Egypt.
- Norgan, A.P., Coffman, P.K., Kocher, J.A., Katzmann, D.J., Sosa, C.P. (2011). Multilevel Parallelization of AutoDock 4.2. *Journal of Cheminformatics.*
- Offermanns, S. dan Rosenthal. W., 2008, Encyclopedia of Molecular Pharmacology, 2nd ed., Springer-Verlag, New York.
- Paimin, F. B., Murhananto, 2008. Seri Agribisnis Budi Daya Pengolahan, Perdagangan Jahe. Cetakan XVII. Penebar Swadaya. Jakarta: 7-8
- Petrucci, R.H., 1987. Kimia Dasar - Prinsip dan Terapan Modern, 4th Ed, 1. Erlangga, Bogor.
- Purnomo, H., 2013. Kimia Komputasi untuk Farmasi dan Ilmu Terkait. Pustaka Pelajar, Yogyakarta.
- Rizvi, S.M.D., Shakil, S., Haneef, M. (2013). A Simple Click by Click Protocol to Perform Docking: Autodock 4.2 Made Easy for Non-Bioinformaticians. *EXCLI Journal.* 12: 831-857.

- Rukmana, R. 2000. Usaha Tani Jahe. Kanisius. Yogyakarta.
- Ryan F. Porter, MD, and C. Prakash Gyawali, MD, MRCP, FACG, Washington University, St. Louis, MO - Updated January 2010.
- Schneider, G., Bohm, H. (2002). Virtual Screening and Fast Automated Docking Methods: Combinatorial Chemistry. *Drug Discov Today*. 7: 64-70.
- Sousa, S.F., Fernandes, P.A., Ramos, M.J. (2006). Protein-Ligand Docking: Current Status and Future Challenges. *Willey InterScience*. 65: 15-26.
- Stoilova, I, A. Krastanov, A. Stoyanova, P. Denev dan S. Gargova. 2007. Antioxidant activity of a ginger extract (*Zingiber officinale*). *Food Chemistry*.102: 764–770.
- Sukandar, E. Y dkk. 2008. ISO Farmakoterapi. Jakarta: PT. ISFILinn.
- Surh, Y.J., E. Loe dan J.M. Lee.1998. Chemopreventive properties of some pungent ingredients present in red pepper and ginger. *Mutat Res*. 402:259-267.
- Svetlana Emelianova., MD., Paolo Mazzotta., MSc., Adrienne Einarson., RN., Gideon Koren., MD., FACCT., FRCPC. (1999). Prevalence and Severity of Nausea and Vomitingof Pregnancy and Effect of Vitamin Supplementation. The Motherisk Program, the Hospital for Sick Children, Toronto, Ontario, Canada.
- Tapsell, L.C., I. Hemphill, L. Cobioc, C.S. Patch, D.R. Sullivan, M. Fenech, S. Roodenrys, J.B. Keogh, P.M. Clifton, P.G. Williams, V.A. Fazio dan K.E. Inge. 2006. Health benefits of herbs and spices: the past, the present, the future. *Med. J. Aust.* 185 (Suppl. 4), S4–S24.
- Teodoro, M.L., Phillips Jr, G.N., Kavraki, L.E. (2001). Molecular Docking: A Problem with Thousand of Degrees of Freedom.
- Vyas, V., Jain, A., Jain, A., Gupta, A., 2008. Virtual Screening: A Fast Tool for Drug Design. *Sci Pharm*.
- Wang, W.H. dan Z.M. Wang. 2005. Studies of commonly used traditional medicine-ginger. *Zhongguo Zhong Yao Za Zhi*. 30:1569–1573.
- Waszkowycz, B., Perkins, T.D.J., Sykes, R.A., Li, J., 2001. Large-scale virtual screening for discovering leads in the postgenomic era. *IBM Syst. J.* 40.