

DAFTAR PUSTAKA

- [1] Leach ar, P. C., Shoichet BK, 2006, **Prediction Of Protein – Ligand Interaction. Docking and Scoring: Successes and Gaps**, *J. Med. Chem*, vol. 20.
- [2] Syahputra, G., 2015, **Peran Bioinformatika dalam Desain Kandidat Molekul Obat**, vol. 1, no. 1, pp. 26–27.
- [3] Luo, W., 2014, **Design, Synthesis and Evaluation of Genistein-polyamine Conjugates as Multi-functional Anti-Alzheimer Agents**, *Med. Chem. (Los. Angeles)*, vol. 4, no. 9.
- [4] Morris, G.M., Goodsell, D. S., Halliday, R.S., Huey, R., Hart, W. E., Belew, R. K. and Olson, A. J., 1998, **Automated Docking Using a Lamarckian Genetic Algorithm and Empirical Binding Free Energy Function**. *J. Computational Chemistry*, vol 19, pp 1639-1662
- [5] Chang, M. W., Ayeni C., Breuer S., Torbett B. E., 2010. **Virtual Screening for HIV Protease Inhibitors: A Comparison of AutoDock 4 and Vina**. PLoS ONE 5:e11955
- [6] Khoiruna, A., 2017, **Uji Laju Evaporasi Campuran Komponen Minyak Atsiri**, Universitas Brawijaya, Malang.
- [7] Kramer, B., Rarey, and Lengauer, 1999, **Evaluation of the FLEX X Incremental Construction Algorithm for Protein – Ligand Docking**, *PROTEINS Struct. Funct. Genet.*, vol. 37, no. June, pp. 228–241.
- [8] Rarey, M., Kramer, Lengauer and Klebe, G., 1996, **A Fast Flexible Docking Method Using an Incremental Construction Algorithm.**, *J. Mol. Biol.*, vol. 261, no. 3, pp. 470–89.
- [9] Rarey, M and Muegge, I., 2001. **Small Molecule Docking and Scoring**. Reviews in Computational Chemistry, vol 17, pp 1-60
- [10] Steinbrecher, T., Hucke, O., Steigmiller, S., Börsch, M and Labahn, 2002, **Binding Affinities and Protein Ligand Complex Geometries of Nucleotides at The F1 Part ff The Mitochondrial ATP Synthase Obtained by Ligand Docking Calculations**, *FEBS Lett.*, vol. 530, no. 1–3, pp. 99–103.
- [11] Yang, J. M., 2004, **Development and Evaluation of a Generic Evolutionary Method for Protein-Ligand Docking**,

- J. Comput. Chem.*, vol. 25, no. 6, pp. 843–857.
- [12] Hsu, K. C., Chen Y.F., Lin S.R., Yang J. M., 2011, **Igemdock: a Graphical Environment of Enhancing GEMDOCK using Pharmacological Interactions and Post-screening Analysis.** *BMC Bioinformatics*:12 Suppl 1:S33
- [13] Journal, I., Public, O., and M. Health, 2015, **Determination of Potential Phytochemical Inhibitor for NDM-1 using Different Algorithms**, vol. 2, no. 3, pp. 45–51.
- [14] F. P. Nabati, 2012, **Fungsi pestisida nabati**, no. April. pp 25-26.
- [15] Leite, B. L. S., 2011, **Volatile Constituents and Behavioral Change Induced by *Cymbopogon winterianus* Leaf Essential Oil in Rodents**, *African J. Biotechnol.*, vol. 10, no. 42, pp. 8312–8319.
- [16] Oyedemi, O. O., Adewusi, E. A., Aiyegoro, O. A and Akinpelu, 2011, **Antidiabetic and Haematological Effect of Aqueous Extract of Stem Bark of *Azelia Africana* (Smith) on Streptozotocin-Induced Diabetic Wistar Rats**, *Asian Pac. J. Trop. Biomed.*, vol. 1, no. 5, pp. 353–358.
- [17] Hummelbrunner, L. A and Isman, M. B., 2001, **Acute, Sublethal, Antifeedant, and Synergistic Effects of Monoterpenoid Essential Oil Compounds on The Tobacco Cutworm, *Spodoptera litura* (Lep., Noctuidae)**,” *J. Agric. Food Chem.*, vol. 49, no. 2, pp. 715–720.
- [18] Nurohmaningrum, L., Enny, S., Fitria, N., Yordan, M., Pratama and Universitas, M., 2015, **ASIH Sebagai Insektisida Nabati untuk Membasmi Hama *Spodoptera exigua* (Ulat Grayak , Jawa) pada Tanaman Bawang Merah (*Allium cepa* L .) ASIH as A Insecticide Plant for Exterminated Pest *Spodoptera exigua* (Grayak Caterpillar , Javanese) on A Onion Plan**, no. 2011, pp. 795–798.
- [19] Dearing, A., **Computer-aided Molecular Modelling: Research Study or Research Tool**, *J. Comp. Aided Molec. Des.*, vol. 2, pp. 179–299.
- [20] Pranowo, H., 2004, **Kimia Komputasi**, vol. 83, Yogyakarta.
- [21] Lengauer, T., 1996, **Computational Methods for Biomolecular Docking**, *Curr OpinStruct Biol*, vol. 6, no. 3,

- pp. 402–6.
- [22] Kroemer, R., 2003, **Molecular Modelling Probes: Docking and Scoring**, *Biochem. Trans.*, vol. 31, pp. 980–984.
- [23] Okimoto, N., Futasugi, N., Fuji, H., Suenaga, A., Morimoto, 2009, **High Performance Drug Discovery: Computational Screening by Combining Docking and Molecular Dynamics Simulation**, *PLoS Comput. Biol.*, vol. 10, pp. 1–13.
- [24] Dastmalchi, B. S., Maryam H.M., 2016, **Methods and Algorithms for Molecular Docking-Based Drug Design and Discovery**, Medical Information Science Reference, USA.
- [25] Wahyudi, A., 2003, **Adln – Perpustakaan Universitas Airlangga**, *Univ. Airlangga, Surabaya*, no. September, pp. 1–21.
- [26] Madison, 2011, **Theory of Binding Data Analysis**. Invitrogen Corporation, USA.
- [27] Ikhlas, N., 2013, **Uji Aktivitas Antioksidan Ekstrak Herba Kemangi (*Ocimum americanum* Linn) dengan Metode DPPH (2,2-Difenil-1-Pikrilhidrazil)**, p. 78.
- [28] Tuhumury, G. N., Leatemia, Rumthe and Hasinu, J., 2013, **Residu Pestisida Produk Sayuran Segar di Kota Ambon**,” *J. Agrol.*, vol. 1, no. 2, pp. 99–105.
- [29] Kalemba, D., and Kunicka, A., 2003, **Antibacterial and Antifungal Properties of Essential Oils.**, *Curr. Med. Chem.*, vol. 10, no. 10, pp. 813–829.
- [30] Gracia-Valenzuela, M. H., Orozco-Medina and Molina-Maldonado, 2012, **Efecto Antibacteriano Del Aceite Esencial De Orégano (*Lippia Berlandieri*) En Bacterias Patógenas De Camarón *Litopenaeus Vannamei***, *Hidrobiologica*, vol. 22, no. 3, pp. 201–206.
- [31] Batish, D.R., Singh, Setia, N., Kaur and Kohli, 2006, **Chemical Composition and Phytotoxicity of Volatile Essential Oil From Intact and Fallen Leaves of *Eucalyptus Citriodora***,” *Zeitschrift fur Naturforsch. - Sect. C J. Biosci.*, vol. 61, no. 7–8, pp. 465–471.
- [32] Tzortzakis, N. G and Economakis, C. D., 2007, **Antifungal Activity of Lemongrass (*Cymbopogon citratus* L.) Essential Oil Against Key Postharvest Pathogens**, *Innov. Food Sci. Emerg. Technol.*, vol. 8, no. 2, pp. 253–258.

- [33] Paranagama, Abeysekera, Abeywickrama and Nugaliyadde, 2003, **Fungicidal and Anti-Aflatoxic Effects of The Essential Oil of *Cymbopogon citratus* (DC.) Stapf. (Lemongrass) Against *Aspergillus Flavus* Link. Isolated from Stored Rice,**” *Lett. Appl. Microbiol.*, vol. 37, no. 1, pp. 86–90.
- [34] Fatimah, 2012, **Serai Wangi Tanaman Perkebunan yang Pontensial**, Surabaya.
- [35] Pinheiro, P. F., De Queiroz, V. M. Rondelli, A. V. Costa, T. D. P. Marcelino, and Pratisoli, 2013, **Insecticidal Activity of Citronella Grass Essential Oil on *Frankliniella schultzei* and *Myzus persicae*** *Atividade Inseticida Do Óleo Essencial De Capim-Citronela Sobre *Frankliniella schultzei* E *Myzus persicae**, pp. 138–144.
- [36] Thomas, A. N., 2007, **Tanaman Obat Tradisional**, Kanisus, Yogyakarta.
- [37] Alma, M. H., Ertaş, Nitz and Kollmannsberger, 2007, **Chemical Composition and Content of Essential Oil from The Bud Of Cultivated Turkish Clove (*Syzygium aromaticum* L.)**, *BioResources*, vol. 2, no. 2, pp. 265–269.
- [38] Dutra, F. L., 2016, **Effects of Linalool and Eugenol on The Survival of *Leishmania* (L.) *Infantum* Chagasi Within Macrophages**, *Acta Trop.*, vol. 164, pp. 69–76.
- [39] Budi, A. S., Aminudin A and Retno D., 2013, **Patogenisitas Jamur Entomopatogen *Beauveria bassiana* Blsamo (Deuteromycates: Moniliales) pada Larva *Spodoptera litura* Fabricius (Lepidoptera: Noctuidae)**, *Jurnal HPT*, vol 1, no 1, Universitas Brawijaya, Malang
- [40] Kalshoven, L. G. E., 1981, **The Pets of Crops in Indonesia**, Revised and Translated by P. A. Van der Laan. PT. Ictiar Baru, Van Hoeve, Jakarta
- [41] Tennyson, S., 2013, **Antifeedant Activity, Development Indices and Morphogenetic Variations of Plant Extracts Against *Spodoptera litura* (Fab) (Lepidoptera : Noctuidae)**, *Journal of Entomology and Zoology Studios*, vol 1, no 4, pp. 87-96, India
- [42] Utami, N., Anugrawati H. N., Noviana R., Pikindu Z., 2010, **Laporan Praktikum Pemeliharaan Serangga**, Departemen