

DAFTAR PUSTAKA

- Alfaridz, F., & Amalia, R. (2018). Klasifikasi dan Aktivitas Farmakologi dari Senyawa Aktif Flavonoid. *Farmaka*, 16(3), 1–9.
- Ames, M. K., Atkins, C. E., & Pitt, B. (2019). The renin-angiotensin-aldosterone system and its suppression. *Journal of Veterinary Internal Medicine*, 33(2), 363–382. <https://doi.org/10.1111/jvim.15454>
- Clark, J. L., Zahradka, P., & Taylor, C. G. (2015). Efficacy of flavonoids in the management of high blood pressure. *Nutrition Reviews*, 73(12), 799–822. <https://doi.org/10.1093/nutrit/nuv048>
- Dana, H., Chalbatani, G. M., Gharagouzloo, E., Miri, S. R., Memari, F., Rasoolzadeh, R., Zinatizadeh, M. R., Zarandi, P. K., & Marmari, V. (2020). In silico Analysis, Molecular Docking, Molecular Dynamic, Cloning, Expression and Purification of Chimeric Protein in Colorectal Cancer Treatment. *Drug Design, Development and Therapy*, 14, 309–329. <https://doi.org/10.2147/DDDT.S231958>
- Dewi, N. P. U. S., Amandari, I. G. A. A. E., Krisnayanti, M. W., & Sarasmita, M. (2019). Aliskiren: Direct Renin Inhibitor Baru Pada Terapi Hipertensi. *Jurnal Farmasi Udayana*, 8(2), 59–65. <https://doi.org/10.30649/htmj.v16i1.76>
- Dipiro J, Talbert RL, Yee GC, Matzke GR, Wells BG, & Posey LM. (2015). Pharmacotherapy A Pathophysiologic Approach. In *AIAA Guidance, Navigation, and Control Conference*.
- Fitriah, A., Utomo, D. H., Hasanah, A., Ramadhani, A. N., & Widodo, N. (2018). *Cara Mudah Melakukan Docking Dengan PyRx(AutoDock Vina)*. Global Science.
- Fitrianto, H., Azmi, S., & Kadri, H. (2014). Penggunaan Obat Antihipertensi pada Pasien Hipertensi Esensial di Poliklinik Ginjal Hipertensi RSUP DR. M. Djamil Tahun 2011. *Jurnal Kesehatan Andalas*, 3(1), 45–48. <https://doi.org/10.25077/jka.v3i1.24>
- Friedrich, S., & Schmieder, R. E. (2013). Review of direct renin inhibition by aliskiren. *JRAAS - Journal of the Renin-Angiotensin-Aldosterone System*, 14(3), 193–196. <https://doi.org/10.1177/1470320313497328>
- Gunalan, S., Somarathinam, K., Bhattacharya, J., Srinivasan, S., Jaimohan, S. M., Manoharan, R., Ramachandran, S., Kanagaraj, S., & Kothandan, G. (2020). Understanding the dual mechanism of bioactive peptides targeting the enzymes involved in Renin Angiotensin System (RAS): An in-silico approach. *Journal of Biomolecular Structure and Dynamics*, 38(17), 5044–5061. <https://doi.org/10.1080/07391102.2019.1695668>
- Holidah, D. (2011). Aliskiren, Obat Antihipertensi Baru Dengan Mekanisme Penghambat Renin. *Journal Of Tropical Pharmacy And Chemistry*, 1(3),

- 238–249. <https://doi.org/10.25026/jtpc.v1i3.34>
- Kufareva, I., & Abagyan, R. (2012). Methods of protein structure comparison. *Methods in Molecular Biology*, 857, 231–257. https://doi.org/10.1007/978-1-61779-588-6_10
- Laurent, S. (2017). Antihypertensive drugs. *Pharmacological Research*, 124, 116–125. <https://doi.org/10.1016/j.phrs.2017.07.026>
- Ma, S., Henderson, J. A., & Shen, J. (2021). Exploring the pH-Dependent Structure-Dynamics-Function Relationship of Human Renin. *Journal of Chemical Information and Modeling*, 61(1), 400–407. <https://doi.org/10.1021/acs.jcim.0c01201>
- Maaliki, D., Shaito, A. A., Pintus, G., El-Yazbi, A., & Eid, A. H. (2019). Flavonoids in hypertension: a brief review of the underlying mechanisms. *Current Opinion in Pharmacology*, 45, 57–65. <https://doi.org/10.1016/j.coph.2019.04.014>
- Mokrani, E. H., Krid, Y., & Bensegueni, A. (2013). Mokrani, E. H., Krid, Y., & Bensegueni, A. (2013). Highlighting of a New Flavonol Derivatives as a Potent Antihypertensive Compound using Molecular Docking. *Journal Academica*, 3(2), 59–66. Highlighting of a New Flavonol Derivatives as a Potent Antihyperten. *Journal Academica*, 3(2), 59–66.
- O. Trott, A. J. Olson, AutoDock Vina: improving the speed and accuracy of docking with a new scoring function, efficient optimization and multithreading, *Journal of Computational Chemistry* 31 (2010) 455-461.
- Panche, A. N., Diwan, A. D., & Chandra, S. R. (2016). Flavonoids: An overview. *Journal of Nutritional Science*, 5. <https://doi.org/10.1017/jns.2016.41>
- Perez-Vizcaino, F., Duarte, J., Jimenez, R., Santos-Buelga, C., & Osuna, A. (2009). Antihypertensive effects of the flavonoid quercetin. *Pharmacological Reports*, 61(1), 67–75. [https://doi.org/10.1016/S1734-1140\(09\)70008-8](https://doi.org/10.1016/S1734-1140(09)70008-8)
- Politi, A., Durdagi, S., Moutevelis-Minakakis, P., Kokotos, G., & Mavromoustakos, T. (2010). Development of accurate binding affinity predictions of novel renin inhibitors through molecular docking studies. *Journal of Molecular Graphics and Modelling*, 29(3), 425–435. <https://doi.org/10.1016/j.jmgm.2010.08.003>
- Prieto-Martínez, F. D., Arciniega, M., & Medina-Franco, J. L. (2018). Molecular docking: current advances and challenges. *TIP Revista Especializada En Ciencias Químico-Biológicas*, 21, 65–87. <https://doi.org/10.22201/fesz.23958723e.2018.0.143>
- Rahuel, J., Rasetti, V., Maibaum, J., Rüeger, H., Göschke, R., Cohen, N. C., Stutz, S., Cumin, F., Fuhrer, W., Wood, J., & Grütter, M. G. (2000). Structure-based drug design: The discovery of novel nonpeptide orally active inhibitors of human renin. *Chemistry and Biology*, 7(7), 493–504.

[https://doi.org/10.1016/S1074-5521\(00\)00134-4](https://doi.org/10.1016/S1074-5521(00)00134-4)

- Sari, I. W., Junaidin, J., & Pratiwi, D. (2020). Studi Molecular Docking Senyawa Flavonoid Herba Kumis Kucing (*Orthosiphon Stamineus* B.) Pada Reseptor A-Glukosidase Sebagai Antidiabetes Tipe 2. *Jurnal Farmagazine*, 7(2), 54. <https://doi.org/10.47653/farm.v7i2.194>
- Syahputra, G., Ambarsari L, & T, S. (2014). Simulasi docking kurkumin enol, bisdemetoksikurkumin dan analognya sebagai inhibitor enzim 12-lipoksigenase. *Biofisika*, 10(1), 55–67.
- Syarif, A., Gayatri, A., Estuningtyas, A., Setiawati, A., Muchtar, A., Arif, A., Rosdiana, D., Suyatna, F., Dewoto, H., Utama, H., Instiaty, Louisa, M., Wiria, M., Nafrialdi, Wilmana, P., Ascorbat, P., Setiabudy, R., Suherman, S., Gunawan, S., ... Sadikin, Z. (2016). *Farmakologi dan Terapi* (6th ed.). Departemen Farmakologi dan Terapeutik, Fakultas Kedokteran, Universitas Indonesia.
- Sylvestris, A. (2017). Hipertensi Dan Retinopati Hipertensi. *Saintika Medika*, 10(1), 1. <https://doi.org/10.22219/sm.v10i1.4142>
- Tandililing, S., Mukaddas, A., & Faustine, I. (2017). Profil Penggunaan Obat Pasien Hipertensi Esensial Di Instalasi Rawat Jalan Rumah Sakit Umum Daerah I Lagaligo Kabupaten Luwu Timur Periode Januari-Desember Tahun 2014. *Jurnal Farmasi Galenika (Galenika Journal of Pharmacy) (e-Journal)*, 3(1), 49–56. <https://doi.org/10.22487/j24428744.2017.v3.i1.8139>
- Tice, C. M. (2006). Renin Inhibitors. *Annual Reports in Medicinal Chemistry*, 41(06), 155–167. [https://doi.org/10.1016/S0065-7743\(06\)41009-5](https://doi.org/10.1016/S0065-7743(06)41009-5)
- Torres, P. H. M., Sodero, A. C. R., Jofily, P., & Silva-Jr, F. P. (2019). Key Topics in Molecular Docking for Drug Design. *International Journal of Molecular Sciences*, 20(18), 1–29. <https://doi.org/10.3390/ijms20184574>
- Van Vark, L. C., Bertrand, M., Akkerhuis, K. M., Brugts, J. J., Fox, K., Mourad, J. J., & Boersma, E. (2012). Angiotensin-converting enzyme inhibitors reduce mortality in hypertension: A meta-analysis of randomized clinical trials of renin-angiotensin-aldosterone system inhibitors involving 158 998 patients. *European Heart Journal*, 33(16), 2088–2097. <https://doi.org/10.1093/eurheartj/ehs075>
- Webb, R. L., Schiering, N., Sedrani, R., & Maibaum, J. (2010). Direct renin inhibitors as a new therapy for hypertension. *Journal of Medicinal Chemistry*, 53(21), 7490–7520. <https://doi.org/10.1021/jm901885s>
- Yanuar, A. (2012). Penambatan Molekul Molekular. In *Penambatan Molekular: Praktek dan Aplikasi pada Virtual Screening* (1st ed.). Fakultas Farmasi Universitas Indonesia.