

DAFTAR PUSTAKA

- Ahmed Zughair Jalab, & Zeina Thamer AAL-RUFAYE. (2023). Chemical composition and antioxidant activity of *Physalis angulata* AH-ZE. *World Journal of Advanced Research and Reviews*, 19(2), 1072–1077. <https://doi.org/10.30574/wjarr.2023.19.2.1610>
- Ali, A., Mir, G. J., Ayaz, A., Maqbool, I., Ahmad, S. B., Mushtaq, S., Khan, A., Mir, T. M., & Rehman, M. U. (2023). In silico analysis and molecular docking studies of natural compounds of *Withania somnifera* against bovine NLRP9. *Journal of Molecular Modeling*, 29(6). <https://doi.org/10.1007/s00894-023-05570-z>
- Arumsari, M. D., Sururi, A. M., Hendrata, E., Kamila, R. K. Z., Wibowo, D. M. F., Fajriyah, L., & Rahayu, D. A. (2024a). In Silico Study: ACE Inhibitory Activity as a Marine Animal Fatty Acid Antihypertensive Candidate. *Jurnal Biodjati*, 9(1), 80–89. <https://doi.org/10.15575/biodjati.v9i1.29899>
- Arumsari, M. D., Sururi, A. M., Hendrata, E., Kamila, R. K. Z., Wibowo, D. M. F., Fajriyah, L., & Rahayu, D. A. (2024b). In Silico Study: ACE Inhibitory Activity as a Marine Animal Fatty Acid Antihypertensive Candidate. *Jurnal Biodjati*, 9(1), 80–89. <https://doi.org/10.15575/biodjati.v9i1.29899>
- Awaludin, Yulma, & Kartina. (2019). Identification of Secondary Metabolites from Ethanol Extract of Ciplukan (*Physalis angulate*) Leaves and Toxicity Test on Post-Larvae of Tiger Shrimp (*Penaeus monodon*). *Jurnal Ilmiah Perikanan Dan Kelautan*, 11(2), 92–99. <https://doi.org/10.20473/jipk.v11i2.13162>
- Ayu Winih Kinasih, A., Qonitah, F., Studi Farmasi, P., Sains, F., & Kesehatan Universitas Sahid Surakarta, dan. (2023). ANALISIS IN SILICO INTERAKSI SENYAWA KURKUMINOID TERHADAP ENZIM MAIN PROTEASE 6LU7 DARI SARS-COV-2. *Duta Pharma Journal*, 3(1), 1–7. <https://doi.org/10.47701.XXX>
- Bare, Y., Sari, D. R., Rachmad, Y. T., Tiring, S. S. N. D., Rophi, A. H., & Nugraha, F. A. D. (2019). Prediction Potential Chlorogenic Acid As Inhibitor Ace (In Silico Study). *Bioscience*, 3(2), 197. <https://doi.org/10.24036/0201932105856-0-00>
- Budiarto, D., Wijianto, B., & Ih, H. (2023). Indonesian Journal of Chemical Research Study of Anthocyanin Molecule Blocking as Anti-Hypertensive through the Pathway of the Renin-Angiotensin-Aldosterone System (RAAS). *J. Chem. Res*, 11(1), 49–58. <https://doi.org/10.30598/ijcr>
- DiPiro Joseph T., Yee Gary C., Posey L. Michael, Haines Stuart T., Nolin Thomas D., & Ellingrod Vicki L. (2020). *11th Edition Pharmacotherapy A Pathophysiologic Approach*. Mc Graw Hill.
- Dona, R., Frimayanti, N., Ikhtiarudin, I., Iskandar, B., Maulana, F., & Silalahi, N. T. (2019). Studi In Silico, Sintesis, dan Uji Sitotoksik Senyawa P-Metoksi Kalkon terhadap Sel Kanker Payudara MCF-7. *Jurnal Sains Farmasi & Klinis*, 6(3), 243. <https://doi.org/10.25077/jsfk.6.3.243-249.2019>
- Elsa RENGIFO-SALGADO & Gabriel VARGAS-ARANA. (2013). *Boletín de la Sociedad de la Química y del Caribe de Physalis angulata L. (Bolsa Mullaca): A Traditional Uses, Chemistry and Pharmacology Boletín de la Sociedad de la Química y del Caribe de Plantas Medicinales*. 12, 431–445. <http://www.sociedadquimica.org/articulo.oa?id=85628390001>
- Fitriyanti, N., & Hidayati, E. (2021). Antibacterial Activity of Methanol Extract polycystum on *Escherichia coli* and *Staphylococcus aureus*. *Indonesian Journal of Biotechnology*, 21(1), 199–205. <https://doi.org/10.29303/jbt.v21i1.2485>



- Grabarczyk, M., Wińska, K., Mączka, W., Potaniec, B., & Anioł, M. (2015). Loliolide - the most ubiquitous lactone. *Folia Biologica et Oecologica*, 11, 1–8. <https://doi.org/10.1515/fobio-2015-0001>
- Hayes, P. E., Matzke, G. R., & Talbert, R. L. (2020). *PAST EDITORS OF PHARMACOTHERAPY Editions 2-10*.
- Hotmian, E., Suoth, E., & Tallei, T. (2021). GC-MS (GAS CHROMATOGRAPHY-MASS SPECTROMETRY) ANALYSIS OF NUT GRASS TUBER (*Cyperus rotundus* L.) METHANOLIC EXTRACT. *Pharmacon*, 10(2).
- Hu, X., Yu, C., Ahmadi, S., Wang, Y., Ye, X., Hou, Z., & Chen, S. (2022). Optimization of high-pressure processing-assisted extraction of pectic polysaccharides from three berries. *Food Quality and Safety*, 6. <https://doi.org/10.1093/fqsafe/fyac051>
- Huang, H. W., Hsu, C. P., Yang, B. B., & Wang, C. Y. (2013). Advances in the extraction of natural ingredients by high pressure extraction technology. In *Trends in Food Science and Technology* (Vol. 33, Issue 1, pp. 54–62). <https://doi.org/10.1016/j.tifs.2013.07.001>
- Huong, T. N. L., Van, L. A., Thanh, N. D., Suong, N. T. T., Phuong, N. H., & Tien, N. D. C. (2016). Chemical constituents of *Physalis angulata* L. (family solanaceae). In *Can Tho University Journal of Science* (Vol. 2).
- Islam, J. K., Tilaqza, A., Herbani, M., & Articel, H. (2021). *Studi In silico Potensi Anti Hipertensi dan Prediksi Profil Farmakokinetika Daun Jati Belanda (Guazuma ulmifolia. Lamk)*. <https://doi.org/10.33474/jki.v1>
- Kementerian Kesehatan Republik Indonesia. (2018). *Laporan Provinsi Sulawesi Selatan RISKESDAS 2018*.
- Kementerian Kesehatan Republik Indonesia. (2020). *Hipertensi Pembunuh Terselubung Di Indonesia*.
- Khan, S. A., Aslam, R., & Makroo, H. A. (2019a). High pressure extraction and its application in the extraction of bio-active compounds: A review. In *Journal of Food Process Engineering* (Vol. 42, Issue 1). Blackwell Publishing Inc. <https://doi.org/10.1111/jfpe.12896>
- Khan, S. A., Aslam, R., & Makroo, H. A. (2019b). High pressure extraction and its application in the extraction of bio-active compounds: A review. In *Journal of Food Process Engineering* (Vol. 42, Issue 1). Blackwell Publishing Inc. <https://doi.org/10.1111/jfpe.12896>
- Khoirunnisa, A., Jamil, A. S., Artabah, M., Program, M., Farmasi, S., Kesehatan, I., & Malang, U. M. (2024). Analisis Network Pharmacology Senyawa Metabolit Sekunder Tanaman Ciplukan (*Physalis angulata* L.) Pada Penyakit Kanker Paru-Paru. *Majalah Farmaseutik*, 20(2). <https://doi.org/10.22146/farmaseutik.v20i2.96275>
- Kumolosasi, E., Wei, C. C., Abdullah, A. Z., Manap, N. S. A., Lee, W. L., Yusuf, M. H., Ying, L. S., Buang, F., Said, M. M., Mohamad, H. F., & JASAMAI, M. (2021). Antihypertensive activities of standardised moringa oleifera lam (merunggai) taneously hypertensive rats. *Sains Malaysiana*, 50(3), 769–778. <https://doi.org/10.17576/jsm-2021-5003-18>
- ns and Symptoms of Hypertension. *Journal of Molecular*, 11(9), 2.
- ampardelli, R., De Marco, I., & Perego, P. (2022). High-Pressure or the Recovery of Bioactive Molecules from Agro-Industrial *Applied Sciences (Switzerland)* (Vol. 12, Issue 7). MDPI. <https://doi.org/10.3390/app12073642>



- Liu, Y., Wang, X., Li, C., Yu, D., Tian, B., Li, W., & Sun, Z. (2023). Research progress on the chemical components and pharmacological effects of *Physalis alkekengi* L. var. *franchetii* (Mast.) Makino. In *Heliyon* (Vol. 9, Issue 12). Elsevier Ltd. <https://doi.org/10.1016/j.heliyon.2023.e20030>
- Lukitaningsih, E., Wisnusaputra, A., & Ari Sudarmanto, B. (2015). SKRINING IN SILICO SENYAWA AKTIF BENGKOANG (*Pachyrrhizus erosus*) SEBAGAI ANTITIROKINASE PADA *Aspergillus oryzae* (STUDI KOMPUTASIONAL DENGAN HOMOLOGY MODELING DAN MOLECULAR DOCKING). *Traditional Medicine Journal*, 20(1), 2015. www.ebi.ac.uk/
- Maharani, R., & Fernandes, A. (2021). PROFIL FITOKIMIA DAN GC-MS DAUN SIRIH HITAM (*Piper betle* L.) DARI SEKITAR KHDTK LABANAN, KABUPATEN BERAU. *Majalah Farmasi Dan Farmakologi*, 25(1), 11–14. <https://doi.org/10.20956/mff.v25i1.11966>
- Mastuti, T. S., & Handayani, R. (2014). SENYAWA KIMIA PENYUSUN EKSTRAK ETHYL ASETAT DARI DAUN PISANG BATU DAN AMBON HASIL DISTILASI AIR.
- Muslikh, F. A., Samudra, R. R., Ma'arif, B., Ulhaq, Z. S., Hardjono, S., & Agil, M. (2022). In Silico Molecular Docking and ADMET Analysis for Drug Development of Phytoestrogens Compound with Its Evaluation of Neurodegenerative Diseases. *Borneo Journal of Pharmacy*, 5(4), 357–366. <https://doi.org/10.33084/bjop.v5i4.3801>
- Nauli, T. (2014). Penentuan Sisi Aktif Selulase *Aspergillus Niger* dengan Docking Ligan. *Indonesian Journal of Applied Chemistry*, 16(2).
- Novitasari, A., Rohmawaty, E., & Rosdianto, A. M. (2024). *Physalis angulata* Linn. as a medicinal plant (Review). *Biomedical Reports*, 20(3). <https://doi.org/10.3892/br.2024.1735>
- Nugrahenny, D., Permatasari, N., Soeharto, S., Rahayu, I. D., Widodo, E., Mintaroem, K., Sujuti, H., Ratnawati, R., Mayangsari, E., Irnandi, D. F., Ardani, L. S., Wardoyo, T. A., Claresta, N. B., Yoga, N. F. C., Anindita, A. C., Siarnu, N. U. S., & Alia, F. P. (2023). *Physalis angulata* Leaf Ethanol Extract Reduces Oxidative Stress and Improves Endothelial Progenitor Cells in L-NAME-Induced Hypertensive Rats. *HAYATI Journal of Biosciences*, 30(1), 81–87. <https://doi.org/10.4308/hjb.30.1.81-87>
- Nuriah, S., Desvi Putri, M., Rahayu, S., Vanya Advait, C., Nurfadhila, L., & Rahmawati Utami, M. (2023). Analisis Kualitatif Senyawa Parasetamol Pada Sampel Biologis Menggunakan Metode Gas Chromatography - Mass Spectrometry (GC-MS). *Journal of Pharmaceutical and Sciences*, 6(2), 795–803. <https://www.journal-jps.com>
- Obode, O. C., Adebayo, A. H., & Li, C. (2020). Gas chromatography-mass spectrometry analysis and in vitro inhibitory effects of *Phoenix dactylifera* L. on key enzymes implicated in hypertension. *Journal of Pharmacy & Pharmacognosy Research*, 8(5), 475–490. <http://jppres.com/jppres>
- nocha, P. A. (2022). A new squalene derivative from *Physalis* (*Solanaceae*). *Natural Product Research*, 36(8), 2154–2157. <https://doi.org/10.1080/14786419.2020.1844691>
- gbemi, A., Adejumbi, O., Ugbor, F., Asenuga, E., Ajibade, T., npolu, B., Falayi, O., Gbadamos, I., Ola-Davies, O., Saba, A., ibu, M., Adedapo, A., & Oguntibeju, O. (2020). Antihypertensive effect of ethanol leaf extract of *Azadirachta indica* is mediated through inhibition of renal caspase 3 expressions on N ω -Nitro-L-arginine methyl



- ester induced hypertension . *Pharmacognosy Research*, 12(4), 460.
https://doi.org/10.4103/pr.pr_10_20
- Page, L., Prihatini, K., Ainnur Rahmanti, N., Keperawatan, D., Keperawatan Kesdam, A. I., Semarang DIII Keperawatan, D., & Semarang, D. (2021). JURNAL RUMPUN ILMU KESEHATAN PENERAPAN TERAPI RELAKSASI AUTOGENIC TERHADAP PENURUNAN INSOMNIA PADA PASIEN HIPERTENSI DI KOTA SEMARANG. In *Jurnal Rumpun Ilmu Kesehatan* (Vol. 1, Issue 3).
- Pedoman-Teknis-Penemuan-dan-Tatalaksana-Hipertensi*. (n.d.).
- Pillai, J. R., Wali, A. F., Menezes, G. A., Rehman, M. U., Wani, T. A., Arafah, A., Zargar, S., & Mir, T. M. (2022). Chemical Composition Analysis, Cytotoxic, Antimicrobial and Antioxidant Activities of *Physalis angulata* L.: A Comparative Study of Leaves and Fruit. *Molecules*, 27(5).
<https://doi.org/10.3390/molecules27051480>
- Pujiati, E. (2024). *Antihypertensive Effect of Ciplukan (Physalis angulata L): A Literature Review Efek Antihipertensi Ciplukan (Physalis angulata L): A Literature Review*. <https://jurnal.iakmikus.org/index.php/mjhs>
- Putri, T. G., Utami, N., & Bakri, S. (2022). Karakteristik GC-MS dalam Kandungan Senyawa Ekstrak Umbi *Cyperus rotundus* L. Karakteristik GC-MS dalam Kandungan Senyawa Ekstrak Umbi *Cyperus rotundus* L. yang Berasal dari Provinsi Lampung dengan Dua Pelarut yang Berbeda. *JK Unila*, 6(1).
- Qureshi, H. J., & Hamid, N. (2020). Review Article RENIN-ANGIOTENSIN ALDOSTERONE SYSTEM (RAAS). *Journal of Akhtar Saeed Medical & Dental College*, 02(04). <https://doi.org/10.1042/CS20100>
- Rengifo-Salgado, E., & Vargas-Arana, G. (2013). © 2013 *Boletín Latinoamericano y del Caribe de Plantas Medicinales y Aromáticas* 12 (5): 431-445 ISSN 0717 7917 *Physalis angulata* L. (Bolsa Mullaca): A Review of its Traditional Uses, Chemistry and Pharmacology [*Physalis angulata* L. (Bolsa Mullaca): Revisión de Usos Tradicionales, Química y Farmacología]. www.blacpma.usach.cl
- Rohim, A., & Estiasih, T. (2019). Bioactive Compounds on *Sargassum* sp. Brown Seaweed: A Review. *Jurnal Teknologi Pertanian*, 20(2), 115–126.
- Roman, R., Pintilie, L., Nuță, D., Avram, S., Buiu, C., Sogor, C., & Limban, C. (2023). In Silico Prediction, Characterization and Molecular Docking Studies on New Benzamide Derivatives. *Processes*, 11(2). <https://doi.org/10.3390/pr11020479>
- Silva, M. G. Da, Barbosa, S. L. F., Silva, D. S., Bezerra, I. B. M., Alves Bezerra, É., Coelho, A. G., Pinheiro Da Silva Moraes, I. C., Rezende-Júnior, L. M., Carmo, I. S. Do, Lima-Neto, J. D. S., Comerma-Steffensen, S. G., Citó, A. M. D. G. L., & Arcanjo, D. D. R. (2022). Bioactive Natural Products against Systemic Arterial Hypertension: A Past 20-Year Systematic and Prospective Review. In *Evidence-based Complementary and Alternative Medicine* (Vol. 2022). Hindawi Limited. <https://doi.org/10.1155/2022/8499625>
- Sipahelut, S. G. (2019). Perbandingan Komponen Aktif Minyak Atsiri dari Daging *Sargassum* sp. Brown Seaweed Melalui Metode Distilasi Air dan Air-Uap. *Jurnal Teknologi Pertanian*, 8(1), 8–13.
 0.30598/jagritekno.2019.8.1.8
- , W. S. T., & Jannah, R. (2019). Potential of Antibacterial n Sweet Root Extract (*Glycyrrhiza glabra* L) on *Bacillus cereus*. *ia Sains Dan Aplikasi*, 22(4), 105–111.
 0.14710/jksa.22.4.105-111



- Sun, P., Wang, Y., & Tang, W. (2016). The Pressure Enhances the Extraction Yield of Total Triterpenoids from *Ganoderma Lucidum*. *MATEC Web of Conferences*. <https://doi.org/10.1051/01003>
- Usaizan, N., Abdullah, N. A. P., Ahmad, S. H., & Saleh, G. (2014). Preliminary Phytochemical Screening and GC-MS Analysis of Ethanol Extract of *Physalis Minima* L. (Solanaceae). *Journal of Advanced Agricultural Technologies*, 1(2). <https://doi.org/10.12720/joaat.1.2.100-103>
- Van Duc, N., Ngoc Thien Kim, T., Nguyen Ngoc Ngan, B., Thuy Ngoc Anh, D., Ngoc Ngoan, N., & Hoang Ngau, T. (2023). INVESTIGATION OF ANTIOXIDANT, α -AMYLASE, α -GLUCOSIDASE INHIBITORY AND ANTIHYPERGLYCEMIC POTENTIALS FROM *Physalis angulata* L. EXTRACT. *Journal of Science and Technology*. <https://www.researchgate.net/publication/376682495>
- Vargas-Ponce, O., Sánchez Martínez, J., Zamora Tavares, M. del P., & Valdivia Mares, L. E. (2016). Traditional management of a small-scale crop of *Physalis angulata* in Western Mexico. *Genetic Resources and Crop Evolution*, 63(8), 1383–1395. <https://doi.org/10.1007/s10722-015-0326-3>
- Wells, B. G., DiPiro, J. T., Schwinghammer, T. L., & DiPiro, C. V. (2017). *Pharmacotherapy Handbook Tenth Edition*.
- Wells, B. G., DiPiro, J. T., Schwinghammer, T. L., & DiPiro, C. V. (2017). *Pharmacotherapy Handbook Tenth Edition*. McGraw-Hill.
- World Health Organization. (2023). *Global report on hypertension The race against a silent killer*.

