

DAFTAR PUSTAKA

- Abriyanto, AE., Sabikis, dan Sudarso, 2012. Aktivitas Anti Fungi Ekstrak Etanol Daun Sembukan (*Paederia Foetida L*) Terhadap *Candida Albicans*. *Pharmacy*, Vol. 09 (3).
- Adisakwattana, S., Moonrat, J., Srichairat, S., Chanasit,C., Tirapongporn, H., Chanathong, B., Ngamukote, S., Makynen, K., dan Sapwarabol, S., 2019. Lipid-Lowering mechanisms of grape seed extract (*Vitis vinifera L.*) and its antihyperlidemic activity. *International Scholars Journals*, Vol. 6 (9).
- Alta, U., Arina, Y., Claudia, A.C, 2023. Formulasi Sediaan Bedak Tabur Dari Daun Sembukan (*Paederia Foetida L*) Sebagai Antioksidan. *Jurnal 'Aisyiyah Palembang*, Vol. 8 (1), 264-277.
- Arbab, A.H.H., dan Eltahir, M.M., 2010. Review on Skin Whitening Agent. *Khartoum Pharmacy Journal*, Vol 13 (1).
- Arwati, K.L., Dewi, N.N.A., Bektı, H.S., Dewu, N.W.R.K, Saransi, A.U., 2022. The Effectiveness of Green Grape Extract (*Vitis vinifera*) on Decreasing White Rat (*Rattus novergicus*) Triglycerides Levels. *Muhammadiyah Medical Journal*, Vol. 3 (1).
- Arwansyah, Ambarsari, L., Sumaryada, T.I., 2014, Simulasi Docking Senyawa Kurkumin dan Analognya Sebagai Inhibitor Reseptor Androgen pada Kanker Prostat, *Curren Biochemistry*, 1 (1), 11-19
- Astuty, F., dan Komari, N., 2022, Kajian Molecular Docking Senyawa Karwinaphthol B dari Tanaman Bawang Dayak (*Eleutherine palmifolia (L.) Merr*) sebagai Inhibitor Enzim Glukokinase, *Jurnal Natural Scientiae*, Vol 2 (1), 1-9
- Badan Pengawas Obat dan Makanan Republik Indonesia, 2008. Bahan Berbahaya Dalam Kosmetik. *Naturakos*, Vol. III, No. 8, Edisi Agustus 2008.
- Benet, L. Z., Hosey, C. M., Ursu, O. & Oprea, T. I., 2016. BDDCS, 'the Rule of 5 and Drugability'. *Elsevier*, p. 2
- Bunea, C.I., Nastasia, P.O.P., Babes Hodor, A.M.L., Ciobanu, F., Bunea A., 2012. Quality Control and Quantitative Analysis of Phenolic Acids using High Performance Liquid Chromatography (HPLC) from Organic and Conventional Grapes. *Bulletin of Agriculture and Culture*, Vol 69 (1), 104-109
- Y., Shabbir, M., Rafiq, M., 2020, Molecular Docking Using Chimera Software and Vina Software for Nonbioinformaticians, *JMIR Bioinformatics and Computing in Health Care*, Vol. 1 (1)



Chuan Tan, D., Quek, A., Kassim, N.K., Ismail, I.S., Jinling Lee, J., 2020. Rapid Quantification and Validation of Biomarker Scopoletin in Paederia foetida by qNMR and UV–Vis for Herbal Preparation, *Molekul*, 25, 5612.

Chow, H.S., Garland, L.L., Hsu, C.H., Vining, D.R., Chew, W.M., Miller, J.A., Peloff, M., Crowell, J.A., Alberts, D.S., 2010, Resveratrol modulates drug-and carcinogen metabolizing enzymes in a healthy volunteer study, *Cancer Prev Res*, 3(9), 1168-1175

Djoka, M.C.Y., Setiawan, M., Hasanah, A., 2012, Pengaruh Ekstrak Biji Anggur Merah (*Vitis Vinifera*) Terhadappenurunan Kadar Glukosa Darah Tikus Putih Strain Wistarmodel Diabetikum, *Saintika Medika*, Vol. 8 (1)

Drwal, M.N., Banerjee, P., Dunkel, M., Wettig, M.R., dan Preissner, R, 2016, ProTox: a Web Server for the In Silico Prediction of Rodent Oral Toxicity, *Nucleic Acids Research*, Vol. 1 (42), 53-58.

Dubey, S., Mitra, K., Kumar De, B., Mondal, A., dan Bishayee, A., 2017, Effects of *Paederia foetida* and its Bioactive Phytochemical Constituent Lupeol on Hepatic Phase I Drug Metabolism, *Natural Product Communications*, Vol. 12 (9), 1401-1094

Dutta, P.P., Marbaniang, K., Sen, S., Dey, B.K., Talukdar, N.C., 2023, A Review On Phytochemistry Of *Paederia Foetida* Linn, *Phytomedicine Plus* 3, <Https://Doi.Org/10.1016/J.Phyplu.2023.100411>

Earlia, N., Lestari, W., Prakoeswa, C.R.S., 2021, *Dermatitis Atopik*, Syiah Kuala University Press, Aceh.

Fakih, T.M., Wisnuwardhani, H.A, Dewi, M.L, Fitra Ramadhan, D.S, Hidayat, A.F., Prayitno, R., 2021, Simulasi Dinamika Molekuler Senyawa Asam Ferulat dan Turunannya dari Kulit Buah Nanas (*Ananas comosus*) sebagai Inhibitor Enzim Tirosinase, *J Sains Farm Klin*, 8(2):208–220

Furi, M., Alfatma, A., Dona, R., Fernando, A., Aryani., F., Utami, R., Muhamni, S., Husnawati, Suhery, W.N., Octaviani, M, 2022, Uji Inhibitor Enzim Tirosinase Ekstrak Dan Fraksi Daun Kedabu (*Sonneratia Ovata Backer*) Secara In-Vitro, *Jurnal Ilmiah Manuntung*, Vol. 8 (2), 201-214.



Hasch K.E., Watson, M., Allen, D.D., Van, D.S.C.J., 2006, Optimizing Open-Source Software Applications In Drug Discovery, *Drug Discov* I (3), 127-132

- Gillbro, J.M., Olsson, M.J., 2011, The Melanogenesis and mechanisms of skin-lightening agents-existing and new approaches, *International Journal Cosmetic Science*, Vol 33, 210-221
- Handrianto, 2018, Analisis Kandungan Kimia Daun Dan Batang Sembukan (Paederia Foetida) Dengan Menggunakan 2 Pelarut Yang Berbeda. In *Journal Of Pharmacy And Science*, Vol. 3 (2).
- Hardjono, S., 2013, Sintesis dan Uji Aktivitas Antikanker Senyawa 1-(2-Klorobenzoiloksi)urea dan 1-(4-klorobenzoiloksi)urea, *Berkala Ilmiah Kimia Farmasi*, Vol. 2 (1).
- Hasrianti, A., 2012, Simulasi Molecular Docking Senyawa Kurkumin dan Analognya sebagai Selektif Androgen Receptor Modulators (SERMs) pada Kanker Prostat, Program Studi Kimia, Fakultas Sains Universitas Cokroaminoto Palopo, *Jurnal Dinamika*, Vol. 5 (2), 60-67.
- Hassan, N.S., Rafaat., B.M., Aziz, S.W., 2010, Modulatory Role of Grape Seed Extract on Erythrocyte Hemolysis and Oxidative Stress Induced By Microwave Irradiation In Rats, *Internationa Journal of Integrative Biology*, Vol. 10 (2), 106-111
- Herlambang, S., Yudhiantoro, D., Wibowo, A.W.A., 2021, Biochar Untuk Budidaya Anggur, *Lembaga Penelitian dan Pengabdian Kepada Masyarakat UPN "Veteran"*, Yogyakarta, ISBN 978-623-5539-23-2
- Hussein S, Abd Rabba S, 2015, Physico-chemical Characteristics, Fatty Acid, Composition of Grape Seed Oil and Phenolic Compounds of Whole Seeds, Seeds and Leaves of Red Grape in Libya, *International Journal of Applied Science and Mathematics*, vol.2, issue 5, 2394-2894.
- Ince I, Knibbe CA, Danhof M, et al, 2013, Developmental changes in the expression and function of cytochrome P450 3A isoforms: evidence from in vitro and in vivo investigations. *Clinical Pharmacokinetics* 52: 333–345.
- Insanu, M., Karimah, H., Pramastyta, H., Fidrianny, I., 2021, Phytochemical Compounds And Pharmacological Activities Of *Vitis Vinifera* L.: An Updated Review, *Biointerface Research In Applied Chemistry*, Vol 11 (5)

Ismaya, W.T., Pothoorn, H.J., Weijin, A., Mes, J.J., Fusetti, F., Wicher, H.J., et al. structure of Agaricus bisporus mushroom tyrosinase: identity of the ligands and interaction with tropolone. *Biochemistry*. Vol. 50(24), 5477-



[ITIS] Integrated taxonomic information system, *Taxonomic Hierarchy : Paederia foetida*, Diakses pada tanggal 15 Oktober 2023, dari situs https://itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=35085#null

[ITIS] Integrated taxonomic information system, *Taxonomic Hierarchy : Vitis vinifera*, Diakses pada tanggal 15 Oktober 2023, dari situs https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=28629#null

Jayantie, D.D., Farida, Y., Taurhesia, S., 2022, Aktivitas Antioksidan Dan Inhibisi Enzim Tirosinase Ekstrak Etanol Buah Gandaria (*Bouea Macrophylla* Griff.) Secara In Vitro, *Pharmacoscript*, Vol 5 (1), 63-70

Khairunnisa, K.A., Hazar, S., Mulqie, L., 2022, Kajian Literatur Efek Farmakologi Biji dan Buah Anggur (*Vitis vinifera* L.), *Bandung Conference Series: Pharmacy*, Vol. 2(2).

Kilinc, Y.B., Gok, B., Gunduz, S.K., Altuntas, E., 2022, Development of nanoformulation for hyperpigmentation disorders: Experimental evaluations, in vitro efficacy and in silico molecular docking studies, *Arabian Journal of Chemistry*, Vol 15 (12)

Krovat, E.M., Steindl, T., Langer, T., 2005, Recent Advances in Docking and Scoring, *Curr. Comput.Aided Drug Des*, Vol 1 (1)

Kouranov, A., Lie, X., Cruz, J., Westbrook, J., Bourne, Philip E., dan Berman, Helen, 2006, The RCSB PDB information portal for structural genomics, *Nucleic Acid Research*, Vol.34.

Kumari, A., Kumar, R., Sulabh, G., Singh, P., Kumar., J., Singh, V.K., Ojha, K.K., 2022, In silico ADMET, molecular docking and molecular simulation-based study of glabridin's natural and semisynthetic derivatives as potential tyrosinase inhibitors, *Advances in Traditional Medicine*, vol 23

Lin, Y.S., Chen, H.J., Huang, J.P., Lee, P.C., Tsa, C.R., Hsu, T.F., Huanh, W.Y., 2017, Kinetics of Tyrosinase Inhibitory Activity Using *Vitis vinifera* Leaf Extracts, *Biochemistry Research International*, doi: [10.1155/2017/5232680](https://doi.org/10.1155/2017/5232680)



R., 2016, Ekstrak Kulit dan Biji Anggur (*Vitis vinifera*) Menurunkan euron yang Rusak, Volume Infark, dan Memperbaiki Fungsi Motorik /istar Model Stroke Iskemik, *Majalah Kesehatan FKUB*, Vol. 3 (1),

- Nassiri-asl, M., & Hosseinzadeh, H., 2009, Review Of The Pharmacological Effects Of Vitis Vinifera (Grape) And Its Bioactive Compounds, *Phytother. Res.* 23, 1197–1204.
- Naufa, F., Mutiah, R., dan Indrawijaya, Y.Y.A., 2021, Studi in Silico Potensi Senyawa Katekin Teh Hijau (*Camellia sinensis*) sebagai Antivirus SARS CoV-2 terhadap Spike Glycoprotein (6LZG) dan Main Protease (5R7Y), *J.Food Pharm.Sci.* 10(1), 584-596
- Nofianti, T., Sulistiawati, S., Gustaman, F., 2022, Potensi Ekstrak Etanol Daun Anggur (*Vitis vinifera L.*) dalam Menurunkan Kadar Glukosa Darah yang Diinduksi Aloksan, *Prosiding Seminar Nasional Diseminasi*, Vol. 2., p-ISSN : 2964-6154
- Nurcahyanti, A.D.R., Wandra, J., 2012, Sembukan: Kurang Sedap Namun Berkhasiat Hebat, *BioS-Majalah Ilmiah Semi popular*, Vol. 5(2):44-47
- Mukhriani, Rifai, Y., Djabir, Y.Y., Fawwaz, M., Alam, G., 2023. Tyrosinase Inhibitory and Antioxidant Activity of *Paederia foetida L.*, *Indonesia Journal of Pharmacy*, Vol. 32 (1): 103-111.
- Pannindriya, P., Safithri, M., dan Tarman, K. 2021. Analisis *In Silico* Senyawa Aktif *Spirulina platensis* Sebagai Inhibitor Tirosinase. *JPHPI*, Vol. 24 (1), 70.
- Patel, DK. 2017. *Paederia Foetida Linn.*: A Potential Climbing Medicinal Herb in Central India. *International Journal of Environmental Sciences & Natural Resources*, Vol. 6 (5), 01-07.
- Pathania, S., Singh, P.K., 2021, Analyzing FDA-approved drugs for compliance of pharmacokinetic principles: should there be a critical screening parameter in drug designing protocols?, *Expert Opinion On Drug Metabolism & Toxicology*, Vol. 17 (4), 351-354
- Perumalla, A., Hettiarachchy, 2011, Green tea and grape seed extracts — Potential applications in food safety and quality, *Food Research International* 44, doi:10.1016/j.foodres.2011.01.022, 827-839
- Pires, D., E., V., 2015. pkCSM: Predicting Small-Molecule Pharmacokinetic and Toxicity Properties Using Graph-Based Signatures, *Medicinal Chemistry*, Vol. 58, 4066-4070
- 
- Iyanti, A., Ibrahim, A., 2015, Efektivitas Antiinflamasi Fraksi Air n Sembukan (*Paederia Foetida L.*) Pada Tikus Putih (*Rattus Jurnal Sains dan Kesehatan*, Vol. 1 (1), 29-33.

- Pratiwi, N.M.G., Saraswati, N.M.A., Dewi., N.M.I.F.P., dan Tirta, L.P.P., 2021, Potensi Sinamaldehid sebagai Anti Hiperpigmentasi Secara *In Silico*, *Jurnal Ilmiah Medicamento*, Vol. 7 (2), 95-101
- Priani, S.E & Fakih T.M, 2021, Identifikasi Aktivitas Inhibitor Enzim Tirosinase Senyawa Turunan Flavonoid pada Kulit Buah Cokelat (*Theobroma cacao L.*) secara *In Silico*, *ALCHEMY Jurnal Penelitian Kimia*, Vol. 17(2), 168-176
- Purwantiningsih, B., Leksono, A.S., Yanuwiadi, B., 2012, Pengaruh Umur Petik Dan Lama Penyimpanan Terhadap Kandungan Vitamin C Pada Buah Anggur (*Vitis Vinifera L.*), *EI-Hayah*, Vol. 2 (2)
- Puspaningtyas, A.R. 2013. Docking Molekul Dengan Metode Molegro Virtual Docker Dari Ekstrak Air *Psidium guajava*, *Linn* dan *Citrus sinensis*, *Peels* Sebagai Inhibitor Pada Tirosinase Untuk Pemutih Kulit. *JKTI*, Vol. 15 (1), 31-32.
- Putri, W.E., Kurniawati, Y., Djauhari, T., 2018, Depigmenting Agent Melanotoksik Pada Pengobatan Melasma, *Medical and Health Science Journal*, Vol. 2(2), 23-31
- Rahmawaty, A., Cahyani, F.R., Safitri, N., Sitepu., A.A.N.C., Hapitria, E.N., Megantara, S., 2022, Uji *In Silico* Kandungan Senyawa Tanaman Anggur (*Vitis Vinifera L.*) Untuk Kandidat Obat Anti Hiperlipidemia, *Majalah Farmasi dan Farmakologi (MFF)*, Vol. 26 (2), 57-62.
- Rauf, A., Ningsi, S., Hasriani, A., Mukhriani, 2020, Aktivitas Penghambatan Enzim Tirosinase Ekstrak Metanol Klik Anak Dara (*Croton Oblongus Burm F.*), *Jurnal Kesehatan : The 2nd Alauddin Pharmaceutical Conference and Expo (ALPHAC)*, Doi: 10.24252/kesehatan.v1i1.18220
- Riani., Sulastri, Nurlaela, Farikha., S., Marlian, H., Utami, M.R., Nurfadhila, L., 2023, Review Artikel : Potensi Senyawa Aktif Pada Tanaman Obat Untuk Penanganan Antihiperpigmentasi Dengan Metode Molekular Docking, *Jurnal Ilmiah Wahana Pendidikan*, Vol. 9 (8), 465-472
- Rifai, Y., Mukhriani, Djabir, Y.Y., Alam, G., 2020, Chemometric Analysis of Arbutin Derivatives from *Paederia foetida* and *Vitis vinifera* with Fourier Transform Infrared (FTIR), *PharmacognJ*, Vol 12 (3), 436-441.



Pratiwi, D., 2020, Studi Molecular Docking Senyawa Flavonoid Kucing (*Orthosiphon Stamineus B.*) Pada Reseptor A-Glukosidase diabetes Tipe 2, *Farmagazine*, Vol VII (2), 54-60

dono, Prajogo, B., 2014, Studi *in silico* gendarusin a, b, c, d, dan e i absorbansi dan aktivitas terhadap hialuronidase, *Jurnal Farmasi dan sian*, Vol 1 (2), 42-47.

Setiawan, H., dan Irawan, M.I, 2017, Kajian Pendekatan Penempatan Ligan pada Protein Menggunakan Algoritma Genetika, *Jurnal Sains dan Seni ITS*, Vol 6 (2), A68-A72

Sherwood, L., 2016, *Human Physiology: From Cells to Systems*, 9th edition, Cengage Learning, USA, h. 439

Siswandono et al. 2018, 'Uji *in silico* Aktivitas Sitotoksik dan Toksisitas Senyawa Turunan N-(Benzoil)-N'- feniltiourea Sebagai Calon Obat Antikanker', *Journal of Pharmaceutical Science and Clinical Research*, Vol. 1, 01-11.

Sloane, E 2003, *Anatomi Dan Fisiologi Untuk Pemula*, Buku Kedokteran EGC, Jakarta.

Suwirto, I.K., dan Basri, Z., 2023, Pertumbuhan Anggur (*Vitis Vinifera L.*) Asal Biji Secara In Vitro, *e-J. Agrotekbis*, No. 11 (3), 698-706, ISSN : 2338-3011

Tan, D.C., Idris, K.I., Kassi, N.J., Lim, P.C., Ismail, I.S., Hamid, M, dan Chian Ng, R., 2019, Comparative study of the antidiabetic potential of *Paederia foetida* twig extracts and compounds from two different locations in Malaysia, *Pharmaceutical Biology*, Vol. 57 (1), 345-354

Vermitia dan Wulan, A.J., 2018, Potensi Anggur Merah (*Vitis vinifera*) sebagai Pencegahan Atherosklerosis, *J. Agromedicine*, Vol. 5 (1), 458-462.

Widagdha, S., dan Nisa, F.C., 2015, Pengaruh Penambahan Sari Anggur (*Vitis Vinifera L.*) dan Lama Fermentasi Terhadap Karakteristik Fisiko Kimia Yoghurt, *Jurnal Pangan dan Agroindustri*, Vol. 3 (1), hal. 248-258

Widyastuti, M.D., Noviyanti, N.K.M., Sanjaya, I.K.N.S., dan Susanti, N.M.P, 2020, Aktivitas Antihiperpigmentasi Likopen Secara In Silico, *Jurnal Kimia (Journal of Chemistry)*, Vol. 14 (2), 107-112

Woolery-Lloyd, H., Kammer, J.N., 2011, Treatment of Hyperpigmentation, *Journal Elsevier Inc*, Vol. 30

