

## DAFTAR PUSTAKA

- Amelia, Rosa, Elsa Trinovita, Tisha Patricia, Fatmaria, and Septi Handayani. 2024. "Efektivitas Sediaan Patch Ekstrak Daun Sirih Merah (*Piper Crocatum*) Sebagai Penyembuhan Luka Bakar Derajat II Secara In Vivo" *Jurnal Ilmiah Ibu Sina* 9 (1): 187–97.
- Angelina M. T. I. Sambu Ua, Diandra Lestriani H, Elizabeth Sonia Kristanty Marpaung, Jesslyn Ong, Michelle Savinka, Putri Nurhaliza, dan Rahmi Yulia Ningsih. 2023. "Penggunaan Bahasa Pemrograman Python Dalam Analisis Faktor Penyebab Kanker Paru-Paru". *Jurnal Publikasi Teknik Informatika* 2 (2):88-99.
- Arrisujaya, Dian, Niti Sae Utami, Tia Mulyawati, Dea Rahmalisa, Siska Wati, and Hidayat Hidayat. 2023. "Chromium (VI) and Lead (II) Adsorption Using *Mangifera* Kemanga Leaves." *Water Practice and Technology* 18 (11): 2785–96.
- Azzahra, Syarifah Fathimah. Harnelly, Essy. Subianto, Muhammad. Kusuma, Wisnu Ananta. Sari, Widya. 2024. "Identifikasi dan analisis potensi anti-kanker payudara di pagostemon cablin melalui farmakologi jaringan". *Jurnal Penelitian Pendidikan IPA*.10:107-119.
- Casals, Gregori, María Antonieta Ballesteros, Angielys Zamora, Irene Martínez, Guillermo Fernández-Varo, Mireia Mora, Felicia A. Hanzu, and Manuel Morales-Ruiz. 2024. "LC-HRMS and GC-MS Profiling of Urine Free Cortisol, Cortisone, 6B-, and 18-Hydroxycortisol for the Evaluation of Glucocorticoid and Mineralocorticoid Disorders." *Biomolecules* 14 (5).
- Birman, Yuliza, Yusti Siana, Sri Nani Jelmila, Rahmad Dika, Dan Jannatul Hikmah. 2022. "Sosialisasi Cuci Tangan Guna Mencegah Penyebaran COVID-19 di Puskesmas Air Tawar Kota Padang". *Jurnal Abdi Mercusuar*. vol 2. 031-037.
- Darsono, Beti Septiana, Agus Hikmat, and Rinekso Soekmadi. 2022. "Ethnobotani Of Kemang (*Mangifera* Kemanga Blume.) As Identy Flora Of Bogor Regency." *Media Konservasi* 27 (2): 34–41.
- Diansyah, Mohammad Romano, Wisnu Ananta Kusuma, and Annisa Annisa. 2021. "Identification of Significant Protein in Protein-Protein Interaction of Alzheimer Disease Using Top-k Representative Skyline Query." *Jurnal Teknologi Dan Sistem Komputer* 9 (3): 126–32.

- Dinata, Deden I. Muttaqin, Fauzan Z. Sodik, Jajang J. Irfani, M. Binawan, Yunan N. 2025. "In Silico Study of Flavonoid Derivate Coumpunds Againts ER-a as Anticancer". *Journal of Pharmaceutical Science and Techonology*. 12(2):166-175.
- Dewi, Restu Ayu Eka Pustika, dan Sri Rahayu. 2024. " Analisis Hubungan Kebiasaan Konsumsi Junkfood Dengan Prediksi Resiko Kanker Payudara Pada Wanita Usia Subur". *Journal Of Nutrition Science and Food*. 3(1):23-31.
- Dwiyanti, Ratih Dewi, Anny Thuraidah, and Nurlailah Nurlailah. 2023. "Phytochemical Analysis by LC-HRMS and Antibacterial Activity Of the Ethanol Extract of Sengkung (Dracontomelon Dao (Blanco) Merr. & Rofe)." *Medical Laboratory Technology Journal* 9 (1): 93–100.
- Fakih, Taufik Muhammad, Firda Aulia Jannati, Annisa Meilani, Dwi Syah Fitra Ramadhan, and Fitrianti Darusman. 2022. "Studi In Silico Aktivitas Analog Senyawa Zizyphine Dari KemangArab (Zizyphus Spina-Christi) Sebagai Antivirus SARS-CoV-2 Terhadap Reseptor 3CLpro." *ALCHEMY Jurnal Penelitian Kimia* 18 (1): 70.
- Febriani, Anna, dan Achmad Furqon. 2020. " Metastasis Kanker Paru". *Jurnal Respirasi*.4(3):94
- Fitriyani, Salsabila Eka Setia Ningrum, dan Roihatul Mutiah. 2024. "Potential Combination Of Dayak Onion Eleutherine Palmifolia L. dan Chysanthemum Flower Chrysanthemum Indicum L. as Anti-Aging:Network Pharmacology Approach". *Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia*. 11(2: 2-19-290.
- Franz, Max, Christian T. Lopes, Dylan Fong, Mike Kucera, Manfred Cheung, Metin Can Siper, Gerardo Huck, Yue Dong, Onur Sumer, and Gary D. Bader. 2023. "Cytoscape.js 2023 Update: A Graph Theory Library for Visualization and Analysis." *Bioinformatics* 39 (1): 2–4.
- Frimayanti, Neni, Anita Lukman, and Livia Nathania. 2021. "Studi Molecular Docking Senyawa 1,5-Benzothiazepine Sebagai Inhibitor Dengue DEN-2 NS2B/NS3 serine protease". *Chempublish Journal*. 6(1):2-4.
- Fu, Ya min. Zhang, Hiu. Ding, Mingjie. Li, Yi-Qi.Fu, Xing. Yu, Zu-Xi. Dan Meadows, Gary G. 20.
- Hadi, Samsul, Nor Khadijah, dan Noor Rahmi Febriani. 2025. "Prediksi Aktivitas *Piper Retrofractum Vahl* Terhadap Reseptor EGFR Yang Berkontribusi Terhadap Kanker Paru Menggunakan *Docking*". 3(1).
- Ini, Resida, Fitmawati, and Nery Sofiyanti. 2018. "Analisis Filogenetik Kemang(

- Mangifera caesia J .) Asal Usul Sumatera Dan Spesies Terkaitnya Berdasarkan Penanda Spacer Intergenik TrnL-F.” *Jurnal Internasional Sains Dan Teknologi Terapan* 1 (jilid 2).
- Ishak, Andi Khuswatun Khazanah, Aminah, dan Dewi Yuliana. 2024. "Uji Molekular Docking Senyawa Osimertinib Beserta Turunannya Terhadap Reseptor Tirosin Kinase Pada Kanker Paru-Paru". *Journal Makassar Pharmaceutical Science*. (2)24-65.
- Islami, Prima Gita, dan R Susanti. 2025. "Studi In Silico Aktivitas Senyawa Bioaktif Dari Kulit Batang Kayu Manis". *Journal of Mathematics and Natural Sciences*.45(1):1-8.
- Istiqomah, Nurul, and Safitri Fatikasari. 2023. “Kajian in Silico Daun Sungkai (Peronema Canescens) Dalam Menghambat Enzim Lanosterol 14- $\alpha$  Demethylase Jamur Candida Albicans.” *Indonesian Journal of Pharmaceutical Education* 3 (1): 131–42.
- Jamaluddin, Wa Ode Sitti Musnina, Muh. Rizky Setiawan, dan Amelia Rumi. 2025. "Uji Network Pharmacology Dan Docking Molekuler Senyawa Metabolit Sekunder Begonia Willemii Endemik Sulawesi Tengah Terhadap Reseptor Kanker Serviks". *Journal Of Pharmascientech*. 9(1) : 144-162
- Khalil, Muhammad. 2023. “Simulasi Molecular Docking Senyawa Coumestrol Dengan Protein Kapsid Virus Hepatitis B: Studi In Silico Potensi Senyawa Alami.” *Jurnal Jeumpa* 10 (1): 138–48.
- Khoirunnisa, Azka, Ahmad Shobrun Jamil, dan M. Artabah Muchlisin. 2024. "Analisis Keterkaitan Network Pharmacology Senyawa Metabolit Sekunder Tanaman Ciplukan (*Physalis Angulata* L.) Pada Penyakit Kanker Paru". *Majalah Farmaseutik*. 20(2):282-291.
- Kuncoroyekti, Prasetyo Alfaridzi. 2022. "Studi In Silico Senyawa Anti Kanker Ekstrak Etil Asetat Daun Kedondong (*Spondias Dulcis*) Terhadap Sel Kanker Paru A549. Skripsi.
- Kurniawan, Taufik, Laily Hermawanti, and Achmad Nuruddin Safriandono. 2024. “Interpretable Machine Learning with SHAP and XGBoost for Lung Cancer Prediction Insights.” *Journal of Applied Informatics and Computing* 8 (2): 296–303.

- Listyani, Tiara Ajeng, Kusumaningtyas Siwi Artini, Siti Laila, Utari Sejati. 2025. "Design and Molecular Docking Study ADME/TOX Composition Compound of Eucalyptus Essential Oil (*Eucalyptus Camaldulensis*) As An Inhibitor of  $\alpha$ -Amylase and  $\alpha$ -Glucosidase Enzymes". *Jurnal Delima Harapan*. 12(1):1-13.
- Ludjiwadu, Gracia Indri, Laura Maria Palar, Jason Gabriel Sanger Jaheskiel, dan Olivia Angelina Mandei. 2024. *Kanker Paru : Dasar Biomedik III*.
- Maharani, Puspita Sari H.S, Rara Inggarsih, Rachmat Hidayat, and Ziske Maritska. 2024. "Molecular Docking On Bioactive Compounds Of Genisteins , Qesrcetin and Resveratrol To BRCA1 , ERA , and EGFR Receptors In Breast Cancer" 5 (September): 7695–7703.
- Malsy, Manuela. Bitzinger, Diane. Graf, BernHard. Bundscherer, Anika. 2019. "Staurosporine Induces apoptosis in pancreatic carcinoma cell paru 8988t and panc-1 via the intrinsic signaling pathway. *European Journal of medical research*. 24:5.
- Mooers, Blaine H.M. 2020. "Shortcuts for Faster Image Creation in PyMOL." *Journal Protein Science* 29 (1): 268–76.
- Muniraj, N. Siddharth, S. dan Sharman, D. 2019. Bioactive Compounds : Multi Targeting Silvers Bullets for preventing and treating breast cancer". *Journal Cancers*. 11(10):1563.
- Muslikh, Faisal Akhmal, Reyhan Rahma Samudra, Burhan Ma'arif, Zulvikar Syambani Ulhaq, Suko Hardjono, and Mangestuti Agil. 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): 357–66.
- Nasution, Vevi Sarah, Sri Wahyuni, Gabena Indrayani Dalimunthe, dan Minda Sari Lubis. 2025. "Analisis penggunaan obat kemoterapi kanker paru-paru di RSUD Dr. Piringadi Kota Medan Analysis og The Use Lung Cancer Chemotherapy Drugs at Dr. Piringadi Medan". *Jurnal Farmasi, Sains, dan Kesehatan*. 4(2):201-216.
- Niati, Selby. Iffah, Maghfirotul. Amelia, Cory. 2023. "Tatalaksana penyinaran radioterapi teknik 3D-CRT pada kasus *small cell lung cancer* (SCLC) di instalasi radioterapi RSUD Provinsi NTB". *Jurnal ilmiah multi disiplin Indonesia*. 2(3).
- Nur, Achmad Vandian. Slamet. Waznah, Urmatul. Mugiyanto, Eko. Pambudi, Dwi Bagus. 2024. "Molecular Docking Metabolit Sekunder Bawang Putih (*Allium Sativum*) sebagai Anti-Kanker Payudara Pendekatan In Silico". *Journal Of Integrative Natural Science*. 1(1):29-37.

- Nurcahyani, Fitria. Fristiohady, Adryan. Sahidin. Wahyuni, Wahyuni. Yodha, Agung, Wibawa Mahatva. Solo, Dian Munasari. Arba, Muhammad. Irnawati. 2025. "Pengaruh Ekstrak Methanol Batnag *Etingera alba* (Blume) A.D. Porselen terhadap Penekanan Genoaspase-3 sebagai penanda apoptosis pada lini sel kanker payudara T47D secara in vitro ". *Journal Mandala Pharmacon Indonesia*. 11(1):49-54.
- Nurwidya, Fariz. Murakami, Akiko. Takahashi, Fumiyuki. Yunus, Faisal. Takahashi, Kazuhisa. 2011. "Resistensi Kanker Paru Kategori Bukan Sells Kecil dengan Mutasi EGFR terhadap Tyrosinase kinase inhibitor". *Journal Indomed Assoc*. 61(12):493-7.
- Permatasari, Galuh Wening, Mochammad Fitri Atho'illah, and Wira Eka Putra. 2021. "Target Protein Prediction of Indonesian Jamu Kunyit Asam (Curcumin-Tamarind) for Dysmenorrhea Pain Reliever: A Network Analysis Approach." *Jurnal Kedokteran Dan Kesehatan Indonesia*.
- Prasetiawati, Riska. Suherman, Mulia. Purmana, Benny. Rahmawati. 2021. Moloculer Docking Study Of Anthocyanidin Compunds Agonist Epidermal Grownth Factor Receptor (EGFR) as Anti-Lung Cancer. *Journal Of Phamaceutical Science and Technology*. 8(11):8-20.
- Prasetyo, Angga. Rasmiyana, Rasmiyana. 2025. "Uji In Silico Peptida Bioaktif dari Protein Miosin Ikan Nila (*Oreochromis niloticus*) sebagai Antibiofilm terhadap *Staphylococcus aureus*. *Journal Biosense*. 8(2):131-142
- Permatasari, Fransiska Indah. 2025. "Math Unesa". *Jurnal Ilmiah Matematika* .13(1):2301-9115.
- Prasetyawan, Fendy. 2024. "Update Aktivitas Farmakologi Vincristine Dari Tapak Dara ( *Catharanthus Roseus L .* ) Update On The Pharmacological Activity Of Vincristine From Tapak Dara ( *Catharanthus Roseus L .*)," 38–43.
- Pratama, Mohammad Rizki Fadhil. 2016. "Studi In Silico Metabolit Sekunder Brucea Javanica Sebagai Inhibotor EGFR Mutan T790M-L858R-V948R (In Silico Study of Secondary Metabolites from Brucea Javanica as EGFR Mutant T790M-L858R-V948R Inhibitor)." *Proceedings of the National Seminar of Pharmacy*.
- Rahmaddiansyah, Refa. Rusti, Sukarsi. Arisanty, Dessy. 2022. Bioaktivitas Anti-Kanker dari Quarcetin Bertarget SRC dalam Terapi Kanker Paru Bukan Sel Kecil. *Journal Majalah Kedokteran Andalas*. 45(4):667-679.

- Rahmasari, Nita. Barliana, Melisa I. Amalia, Reizki. 2021. “ Interaksi Silang Persinyalan WNT dan TGF- $\beta$  pada kanker paru dengan MicroRNA sebagai mayoritas regulator”. *Jurnal Farmasi Klinik Indonesia*. 10(1):62-78
- Resida, E.of Avocado Stem Bark ( *Persea Americana Mill* ) Ethanol Extract in Inhibiting.” *Jurnal Biologi Tropis* 24 (4): 877–86.
- Risnata, Richa Poetri, Agriana Rosmalina Hidayati, and Handa Muliasari. 2024. “Determination of Total Flavonoid Content and Antioxidant Activity”. *Jurnal Biologi Tropis*.
- Riyadi, PH. Romadho. Sari, ID. Kurniasih, RA. Agustini, TW. Swastawati, F. Herawati, VE. dan Tonad,WA. "Swiss ADME Prediction of Pharmacokinetic and Drug- Likeness properties of Small Molecules Present in *Spirulina Plantensis*. *Journal Of Earth and Environmental Science*. 890
- Robot, Renita Y. Durry, Meilany F. Kairupan, Carla F. 2021. “Morfologi, pathogenesis, dan imunoterapi kanker paru tipe adenokarsinoma”. *Journal medical scope*. 3(1):107-119.
- Rusdi, Numlil Khaira, Eva Novita Sari, dan Nora Wulandari. 2023. "Ketepatan Obat, Dosis, dan Potensi Interaksi Obat Pada Pasien Kanker Paru di Rumah Sakit X Jawa Barat Periode 2019-2021". *Jurnal Sains Dan Kesehatan*. 5(3):313-323.
- Safithri, Mega. 2024. “Potential Of Red Betel Leaves (*Piper Crocatum*) As Tyrosinase Inhibitor In Silico And In Vitro.” *Indonesian Journal of Pharmaceutical Science and Technology* 11 (1).
- Saharani, Yuniastuti, R. Susanti, and Nugrahaningsih WH. 2021. “Identifikasi Bioaktif Tanaman *Syzygium Aromaticum* Sebagai Imunostimulan Melalui Toll-Like Receptor Signal” *Prosiding Semnas Biologi Ke-9 9* (1): 310–16.
- Salsabila, Syifa, Shinta Ayu Intan, dan Dewi Wahyu Fitriana. 2023. "Gambaran Tipe Sel Karsinoma Paru Primer Berdasarkan Usia, Jenis Kelamin". *Jurnal Ilmu Kesehatan Indonesia*. 4(4):281-288.
- Savitri, Lisa, Alfred Rinaldo Kasimo, Lian Pandu Farendra, and Iza Dwi Muslikha. 2020. “Uji Potensi Epigallocatechin Gallate Kulit Pisang Raja (*Musa Paradisiaca* Var. Raja) Terhadap Caspase 3 Melalui Granzyme B Pathway Pada Mencit (*Mus Musculus*) Model Sepsis Berbasis in Silico.” *Jurnal Ilmiah Universitas Batanghari Jambi* 20 (3): 807.

- Sharma, Bharti, and Dinesh Kumar Yadav. 2022. "Metabolomics and Network Pharmacology in the Exploration of the Multi-Targeted Therapeutic Approach of Traditional Medicinal Plants." *Plants* 11 (23).
- Silalahi, Ali Affan, Fahma Shufyani, dan Siti Manaharawan Siregar. 2025. "Docking Analysis of Maniran Plant (*Phyllanthus Niruri* L.) Against Acetylcholinesterase Inhibition in Alzheimer's Disease Analisis Docking Tanaman Meniran (*Phyllanthus Niruri* L.) Terhadap Penghambatan Asetilkolinesterase Penyakit Alzheimer's". *Journal of Pharmaceutical and Sciences*. 8(1):303-310.
- Siti, Dina, Rahma M Hentu, M Artabah Muchlisin, Ahmad Shobrun Jamil, Engrid Juni, and Agustin Rafikayanti. 2024. "Potential Activity Of Secondary Metabolites Of Kawista (*Limonia Acidissima*) As Neurodegenerative Diseases : A Network Pharmacology Approaches." *Jurnal Eduhealth* 15 (02): 1246–58.
- Suardiani, Luh Adi Kusuma, dan Dini Kusuma. 2022. "Hubungan Kuantitatif Struktur N-(Fenilkarbamotioil)-Benzamida dan Turunannya Terhadap Aktivitas Anti-Tuberkulosis Secara In Silico." *jurnal Eduhealth*. 13(1):1246-1258.
- Sumardi dan Suprianto. 2024. "Assessing Drug-Likeness The Natural Compounds of Polar Ekstrak Curcuma Xantorrhina Rhizome Via Lipinski Rules With Swiss ADME Web tool". *Jurnal Indah Sains dan Klinis*. 5(3):14-18.
- Susanti, Susi, Eka Sukmawaty, and Masriany. 2021. "Penambatan Molekuler Senyawa Cendawan Endofit *Trichoderma* Sp. Sebagai , Enzim Lanasterol 14-A Demetilase Dan Lipase Yang Bertanggung Jawab Dalam Dermatitis Seboroik " 6 (1): 98–107.
- Wang, Zhenxung. Yip, Lian Lee. Lee, Jia Hui Jane. Wu, zengwei. Chei, Hui Yi. Chong, Pooi Kiat William. Teo, Chin chye. Ang, Heather Yin Kuan. Peh, Kai lay Esther. Yuan, Ju. Ma, Siming. Cho, Li She Kimberly. Basri, Nurhidayah. Jiang, Xia. Yu, Qiang. Hillmer, Axel M. Lim, Wan Teck. Lim, Tony Kiat. Takano, Angela. Tan, Eng Huat. Tan, Daniel ShaoWeng. Ho, Yin Swan. Dan Tam, Wei Leong. 2019. "Methionine is a metabolic Dependency of Tumor Initiating Cells". *Journal Nature Medicine*. 25:825-832.
- Zainuri, Wildan, Rizal Muhammad, Sri Wahyuningsih, Della Ayu Niliandari, dan Maya Firda. 2024. "Analisis Senyawa Kurkumin Pada Tanaman Kunyit (*curcuma Longa*) sebagai Obat Herbal Gastritis Menggunakan Analisis Pass, Swiss Adme, dan Docking." *Jurnal Biologi Dan Pembelajarannya*. 11:161-172.

- Zaki, Andika Fairuz, Fenti Kusumawardhani Hidayah, and Dini Sri Damayanti. 2024. "Molecular Docking Potensi Senyawa Aktif Eceng Gondok (*Eichhornia Crassipes*) Sebagai Antidiabetik Terhadap Aktivasi Sulfonylurea Receptor 1 Dan Glucagon Like Peptide 1 Receptor," no. 0341: 1–14.
- Zhan, Jian dan Jucker, Manfred. 2025. The Role Of PI3K/AKT/MTOR Signaling In Tumor Radio Resistance and Advances In Inhibitor Research. *International Journal Of Molecular Sciences*. 26(14), T. Chikmawati, N. Ariyanti, and Fitmawati. 2023. "Mangifera Kemanga Blume (*Anacardiaceae*) Taxonomic Assessment for Genetic Diversity Based on Molecular Substantiation." *Sabrao Journal of Breeding and Genetics* 55 (1): 175–86.