

DAFTAR PUSTAKA

- Abriyani, E., Fikayuniar, L., Fauziah, S., & Melinda, L. (2022). Skrining Fitokimia Dan Profil Klt Dari Fraksi N-Heksana Dan Etil Asetat Pada Kulit *Pithecellobium jiringa* (Jack) Prain. *Jurnal Buana Farma*, 2(3), 8–13. <https://doi.org/10.36805/jbf.v2i3.545>
- American Cancer Society. (2016). Understanding a Breast Cancer Diagnosis, Atlanta. <https://www.cancer.org/cancer/breast-cancer/about/types-of-breast-cancer.html#References>, 1–36.
- Arafa, W. A. A., Ghoneim, A. A., & Mourad, A. K. (2022). N-Naphthoyl Thiourea Derivatives: An Efficient Ultrasonic-Assisted Synthesis, Reaction, and In Vitro Anticancer Evaluations. *ACS Omega*, 7(7), 6210–6222. <https://doi.org/10.1021/acsomega.1c06718>
- Arazu, V. A., Nelson, C., Henrietta, U. O., Akinwonmi, A., Ochepe, A. S., & Samuel, C. (2022). Inhibitory Effect of Gedunin Analogue against the *Plasmodium falciparum* Dihydrofolate Reductase. *Asian Journal of Research in Biochemistry*, 11(1), 1–10. <https://doi.org/10.9734/ajrb/2022/v11i130234>
- Arisanti, J. P., Saptarina, N., & Andarini, Y. D. (2020). Evaluasi Penggunaan Obat Kemoterapi Pada Penderita Kanker Payudara Di Rsup Dr. Seoradji Tirtonegoro Periode 2018. *Pharmaceutical Journal of Islamic Pharmacy*, 4(2), 1. <https://doi.org/10.21111/pharmasipha.v4i2.4960>
- Arshad, N., Parveen, U., Channar, P. A., Saeed, A., Saeed, W. S., Perveen, F., Javed, A., Ismail, H., Mir, M. I., Ahmed, A., Azad, B., & Khan, I. (2023). Investigation of Newly Synthesized Bis-Acyl-Thiourea Derivatives of 4Nitrobenzene-1,2-Diamine for Their DNA Binding, Urease Inhibition, and Anti-Brain-Tumor Activities. *Molecules*, 28(6). <https://doi.org/10.3390/molecules28062707>
- Blaney, F. E. (2023). From Sequence To Structure. *Genomics: Commercial Opportunities from a Scientific Revolution*, 77–104. <https://doi.org/10.1201/9781003423782-10>
- Bryant, Puspitaningtyas, H., Wiranata, J. A., Hutajulu, S. H., Widodo, I., Anggorowati, N., Sanjaya, G. Y., Lazuardi, L., & Sripan, P. (2023). Breast cancer incidence in Yogyakarta, Indonesia from 2008–2019: A crosssectional study using trend analysis and geographical information system. *PLoS ONE*, 18(7 July), 1–17. <https://doi.org/10.1371/journal.pone.0288073>
- Candra, L. M. M., Andayani, Y., & Wirasisya, D. G. (2021). Pengaruh Metode Ekstraksi Terhadap Kandungan Fenolik Total dan Flavonoid Total Pada Ekstrak Etanol Buncis (*Phaseolus vulgaris* L.). *Jurnal Pijar Mipa*, 16(3), 397–405. <https://doi.org/10.29303/jpm.v16i3.2308>
- Carugo, O., & Djinovic Carugo, K. (2013). Half a century of Ramachandran plots. *Acta Crystallographica Section D: Biological Crystallography*, 69(8), 13331341. <https://doi.org/10.1107/S090744491301158X>

- Chow, E., Rendleman, C. A., Bowers, K. J., Dror, R. O., H, D., Gullingsrud, J., Sacerdoti, F. D., & Shaw, D. E. (2008). Desmond Performance on a Cluster of Multicore Processors. *Simulation, July*, 1–14.
- Dachriyanus. (2004). Spektrofotometer Ultraviolet dan Visibel (UV-Vis). In *Analisis Struktur Senyawa Organik Secara Spektroskopi*. www.lptik.unand.ac.id
- Das, S., Kudale, P., Dandekar, P., & Devarajan, P. V. (2019). Asialoglycoprotein Receptor and Targeting Strategies. In *AAPS Advances in the Pharmaceutical Sciences Series* (Vol. 39). https://doi.org/10.1007/978-3-030-29168-6_12
- Fadlan, A., & Nusantoro, Y. R. (2021). The Effect of Energy Minimization on The Molecular Docking of Acetone-Based Oxindole Derivatives. *JKPK (Jurnal Kimia Dan Pendidikan Kimia)*, 6(1), 69. <https://doi.org/10.20961/jkpk.v6i1.45467>
- Fikroh, R. A., Matsjeh, S., & Anwar, C. (2020). Synthesis and anticancer activity of (E)-2'-hydroxy-2-bromo-4,5-dimethoxychalcone against breast cancer (MCF-7) cell line. *Molekul*, 15(1), 34–39. <https://doi.org/10.20884/1.jm.2020.15.1.558>
- Fitriani, F. (2021). Kompleks Besi(II) dengan ligan 3-bpp: review. *Jurnal Kartika Kimia*, 4(1). <https://doi.org/10.26874/jkk.v4i1.74>
- Frimayanti, N. (2021). Simulasi Molecular Dynamic (MD) Senyawa Analog Kalkon Sebagai Inhibitor Untuk Sel Kanker Paru A549. *Jurnal Penelitian Farmasi Indonesia*, 9(2), 56–60. <https://doi.org/10.51887/jpfi.v9i2.852>
- Frimayanti, N., Lukman, A., & Nathania, L. (2021). Studi molecular docking senyawa 1,5-benzothiazepine sebagai inhibitor dengue DEN-2 NS2B/NS3 serine protease. *Chempublish Journal*, 6(1), 54–62. <https://doi.org/10.22437/chp.v6i1.12980>
- Gondhowiardjo, S., Christina, N., Ganapati, N. P. D., Hawariy, S., Radityamurti, F., Jayalie, V. F., Octavianus, S., Prawira Putra, A., Sekarutami, S. M., Prajogi, G. B., Giselvania, A., Adham, M., Hamid, A. R. A. H., Widyastuti, E., Prabowo, Y., Aninditha, T., Purwoto, G., Aman, R. A., Siregar, T. P., ... Agianda, F. (2021). Five-Year Cancer Epidemiology at the National Referral Hospital: Hospital-Based Cancer Registry Data in Indonesia. *JCO Global Oncology*, 7, 190–203. <https://doi.org/10.1200/go.20.00155>
- Harahap, Y., Andalusia, R., Crystalia, Y., Nurfaradilla, S., & Harmita. (2015). Analysis of O6-Methylguanine in Cancer Patient Blood during Administration of Cyclophosphamide Using Ultra High Performance Liquid Chromatography-Tandem Mass Spectrometry. *Journal of Advances in Medical and Pharmaceutical Sciences*, 2(1), 20–28. <https://doi.org/10.9734/jamps/2015/12953>

- Hartini, S., Winarsih, B. D., & Nugroho, E. G. Z. (2020). Peningkatan Pengetahuan Perawat Untuk Perawatan Anak Penderita Kanker. *Jurnal Pengabdian Kesehatan*, 3(2), 141–149. <https://doi.org/10.31596/jpk.v3i2.87>
- Herfindo, N., Prasetiawati, R., Sialagan, D., Frimayanti, N., & Zamri, A. (2020). Synthesis, antiproliferative activity and molecular docking studies of 1,3,5-triaryl pyrazole compound as estrogen α receptor inhibitor targeting MCF-7 cells line. *Molekul*, 15(1), 18–25. <https://doi.org/10.20884/1.jm.2020.15.1.585>
- Ikhtiarudin, I., Dona, R., Frimayanti, N., Utami, R., Susianti, N., & Septama, A. W. (2022). Sintesis, Karakterisasi Struktur, dan Kajian Molecular Docking Senyawa Turunan 4'-Metoksi Flavonol sebagai Antagonis Reseptor Estrogen Alpha (ER- α) pada Kanker Payudara. *Jurnal Riset Kimia*, 13(2), 236–249. <https://doi.org/10.25077/jrk.v13i2.553>
- Irawati, I., & Sardjan, M. (2022). Pola Persepan Obat Kemoterapi Kanker Payudara di Rumah Sakit Lavalette Kota Malang. *PHARMADEMICA : Jurnal Kefarmasian Dan Gizi*, 1(2), 80–85. <https://doi.org/10.54445/pharmademica.v1i2.12>
- Jayaram, B., Singh, T., Mukherjee, G., Mathur, A., Shekhar, S., & Shekhar, V. (2012). Sanjeevini: a freely accessible web-server for target directed lead molecule discovery. *BMC Bioinformatics*, 13 Suppl 1(Suppl 17). <https://doi.org/10.1186/1471-2105-13-S17-S7>
- Ketut, S. (2022). Kanker payudara: Diagnostik, Faktor Risiko dan Stadium. *Ganesha Medicine Journal*, 2(1), 2–7.
- Kharb, S. (2021). General Lab Techniques. *Mind Maps in Clinical Chemistry (Part II)*, 47–56. <https://doi.org/10.2174/9789814998758121010012>
- Krihariyani, Sasongkowati, R., & Haryanto, E. (2020). Studi in Silico Sifat Farmakokinetik, Toksisitas, Dan Aktivitas Imunomodulator Brazilein Kayu Secang Terhadap Enzim 3-Chymotrypsin-Like Cysteine Protease Coronavirus. *Journal of Indonesian Medical Laboratory and Science (JoIMedLabS)*, 1(1), 76–85. <https://doi.org/10.53699/joimedlabs.v1i1.14>
- Kumar, A., Singh, P., & Nanda, A. (2020). Hot stage microscopy and its applications in pharmaceutical characterization. *Applied Microscopy*, 50(1). <https://doi.org/10.1186/s42649-020-00032-9>
- Larasati, T. N., Wisnuwardhani, H. A., & Fakhri, T. M. (2022). Studi In Silico Senyawa Asiatikosida H dan I pada Centella asiatica sebagai Senyawa Neuroprotektor. *Bandung Conference Series: Pharmacy*, 2(2). <https://doi.org/10.29313/bcsp.v2i2.4391>
- Leukotrien, A., Pada, H., Kolon, K., & In, S. (2015). *I**, 2. 5(2), 65–73.

- Li, Z., Wei, H., Li, S., Wu, P., & Mao, X. (2022). The Role of Progesterone Receptors in Breast Cancer. *Drug Design, Development and Therapy*, 16, 305–314. <https://doi.org/10.2147/DDDT.S336643>
- Lipinski, C. A. (2004). Lead- and drug-like compounds: The rule-of-five revolution. *Drug Discovery Today: Technologies*, 1(4), 337–341. <https://doi.org/10.1016/j.ddtec.2004.11.007>
- Mardiana, M., & Ruswanto. (2021). Simulasi Dinamika Molekular Senyawa Pyridin Pada Protein 2xnb Sebagai Antikanker Menggunakan Aplikasi Gromas. 6, Pp. 274–282., 47(4), 124–134. <https://doi.org/10.31857/s013116462104007x>
- Nawaz, F., Alam, O., Perwez, A., Rizvi, M. A., Naim, M. J., Siddiqui, N., Pottoo, F. H., & Jha, M. (2020). 3'-(4-(Benzyloxy)phenyl)-1'-phenyl-5(heteroaryl/aryl)-3,4-dihydro-1'H,2H-[3,4'-bipyrazole]-2-carboxamides as EGFR kinase inhibitors: Synthesis, anticancer evaluation, and molecular docking studies. *Archiv Der Pharmazie*, 353(4), 1–18. <https://doi.org/10.1002/ardp.201900262>
- Note, S., Mardianingrum, R., & Ruswanto, R. (2020). Bis(N - (3chlorobenzoyl)isonicotinohydrazide)iron(III) Complex. *Iii*, 1–6.
- Nurfitriyana, Fithri, N. A., Fitria, & Yannuarti, R. (2022). Analisis Interaksi Kimia Fourier Transform Infrared (FTIR) Tablet Gastroentif Ekstrak Daun Petai (*Parkia speciosa* Hassk) dengan Polimer HPMC-K4M dan Kitosan. *ISTA Online Technologi Journal*, 03(02), 27–33.
- Nurlelasari, N., Widyana, A., Julaeha, E., Hardianto, A., Huspa, D. H. P., Maharani, R., Mayanti, T., Darwati, D., Hanafi, M., & Supratman, U. (2023). Studi In Silico Aktivitas Senyawa Steroid Terhadap Antikanker Payudara Menggunakan Estrogen Alfa (ER- α). *ALCHEMY Jurnal Penelitian Kimia*, 19(1), 44. <https://doi.org/10.20961/alchemy.19.1.62384.44-52>
- Pires, D. E. V., Blundell, T. L., & Ascher, D. B. (2015). pkCSM: Predicting small-molecule pharmacokinetic and toxicity properties using graph-based signatures. *Journal of Medicinal Chemistry*, 58(9), 4066–4072. <https://doi.org/10.1021/acs.jmedchem.5b00104>
- Rachmania, R. A., Hariyanti, H., & Susilawati, D. (2022). Studi Molecular Docking Senyawa Isoflavonoid Dadap Ayam (*Erythrina variegata*) terhadap Reseptor Plasminogen sebagai Agen Trombolitik pada Penyakit Infark Miokard. *Jurnal Jamu Indonesia*, 7(1), 12–19.
- Rahayuningtyas, E. D., & Setiadhi, R. (2019). Penatalaksanaan Ulserasi Oral yang dipicu Cyclophosphamide pada Pasien Limfoma Sel B High Grade Stadium IV disertai Febrile Neutropenia. *Kedokteran Gigi*, 3(31), 192–200. <https://doi.org/10.24198/jkg.v3i1i3.23838>
- Refat, M. S., Gaber, A., Althobaiti, Y. S., Alyami, H., Alsanie, W. F., Shakya, S., Adam, A. M. A., Kobeasy, M. I., & Asla, K. A. (2022). *Agent Gabapentin. Ii*.

- Renadi, S., Pratita, A. T. K., Mardianingrum, R., & Ruswanto, dan R. (2023). The Potency of Alkaloid Derivates as Anti-Breast Cancer Candidates: In Silico Study. *Jurnal Kimia Valensi*, 9(1), 89–108. <https://doi.org/10.15408/jkv.v9i1.31481>
- Rosamah, E. (2019). Kromatografi Lapis Tipis Metode Sederhana Dalam Analisis Kimia Tumbuhan Berkayu. *Mulawarman University Press*, 5(2), 40–51.
- Ruswanto, R. (2015). Sintesis Dan Analisis Spektrum Senyawa 3-Benzoil-1Feniltiourea Serta Uji Interaksinya Pada Reseptor Kanker. *Jurnal Kesehatan Bakti Tunas Husada: Jurnal Ilmu-Ilmu Keperawatan, Analisis Kesehatan Dan Farmasi*, 12(1), 177. <https://doi.org/10.36465/jkbth.v12i1.77>
- Ruswanto, R., Mardianingrum, R., Nofianti, T., Fizriani, R., & Siswandono, S. (2023). Computational Study of Bis-(1-(Benzoyl)-3-Methyl Thiourea) Platinum (II) Complex Derivatives as Anticancer Candidates. *Advances and Applications in Bioinformatics and Chemistry*, 16(January), 15–36. <https://doi.org/10.2147/AABC.S392068>
- Ruswanto, R., Mardianingrum, R., & Yanuar, A. (2022). Computational Studies of Thiourea Derivatives as Anticancer Candidates through Inhibition of Sirtuin-1 (SIRT1). *Jurnal Kimia Sains Dan Aplikasi*, 25(3), 87–96. <https://doi.org/10.14710/jksa.25.3.87-96>
- Ruswanto, R., Trisna Wulandari, W., Mardianingrum, R., & Cantika, I. (2021). Synthesis and virtual screening of bis-(4-(tert-butyl)-N(methylcarbamothioyl) benzamide)-Iron (III) complex as an anticancer candidate. *Pharmaciana*, 11(1), 1. <https://doi.org/10.12928/pharmaciana.v11i1.17837>
- Ruswanto, Setiawan, F., Rahayuningsih, N., Mardianingrum, R., Hidayati, N. L. D., & Eryanti, E. (2020). Synthesis, Characterization and In Silico Study of Fe(III) Complex with N'-(4-Chlorobenzoyl)-Isonicotino-Hydrazide as Anti Tuberculosis Candidate. *Jurnal Kimia Valensi*, 6(1), 69–80. <https://doi.org/10.15408/jkv.v6i1.11788>
- Ruswanto, Trisna, W., Mardianingrum, R., & Nurlatifah, M. R. (2021). Sintesis, Karakterisasi dan Penambatan Molekul Bis-2-Chloro-N-(Methylcarbamothioyl)-Benzamide-Iron (III) Sebagai Kandidat Anti Kanke. *Prosiding Seminar Nasional Diseminasi Penelitian, September*, 17–27.
- Sahri, Jayuska, A., & Rahmalia, W. (2019). Efek Pelarut Terhadap Spektra Absorpsi Uv-Vis Kurkuminoid. *Jurnal Kimia Khatulistiwa*, 8(1), 1–9.
- 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>
- Shaweta, S., Akhil, S., & Utsav, G. (2021). Molecular Docking studies on the Anti-fungal activity of *Allium sativum* (Garlic) against *Mucormycosis* (black

- fungus) by BIOVIA discovery studio visualizer 21.1.0.0. *Annals of Antivirals and Antiretrovirals*, 5, 028–032. <https://doi.org/10.17352/aaa.000013>
- Sistesya, D., & Sutanto, H. (2013). Sifat Optis Lapisan ZnO:Ag Yang Dideposisi Di Atas Substrat Kaca Menggunakan. *Youngster Physics Journal*, 1(4), 71–80.
- Subamia, I. D. P., Widiasih, N. N., Sri Wahyuni, I. G. A. N., & Pratami Kristiyanti, P. L. (2023). Optimasi Kinerja Alat Fourier Transform Infrared (FTIR) Melalui Studi Perbandingan Komposisi dan Ketebalan Sampel-KBr. *Jurnal Pengelolaan Laboratorium Pendidikan*, 5(2), 58–69. <https://doi.org/10.14710/jplp.5.2.58-69>
- Suhartati, T. (2017). *Dasar-Dasar Spektrofotometri UV-Vis Dan Spektrofotometri Massa Untuk Penentuan Struktur Senyawa Organik*. Aura CV. Anugrah Utama Raharja.
- Suherman, dkk 2021. (2021). *Pharmacoscript Volume 4 No. 2 Agustus 2021*. 4(2), 1–12.
- Sulistiyani, M., & Huda, N. (2017). Optimasi Pengukuran Spektrum Vibrasi Sampel Protein Menggunakan Spektrofotometer Fourier Transform Infra Red (Ftir). *Indonesian Journal of Chemical Science*, 6(2), 173–180.
- Sunani, S., Andani, M., Kamaludin, A. M. R., Helmi, N. A. S. S. P., Mei, K. K., Guspira, Y., Sabetta, O., & Aulifa, D. L. (2022). In Silico Study of Compounds in Bawang Dayak (*Eleutherine palmifolia* (L) Merr.) Bulbs on Alpha Estrogen Receptors. *Indonesian Journal of Cancer Chemoprevention*, 13(2), 83. <https://doi.org/10.14499/indonesianjcanchemoprev13iss2pp83-93>
- Sung, H., Ferlay, J., Siegel, R. L., Laversanne, M., Soerjomataram, I., Jemal, A., & Bray, F. (2021). Global Cancer Statistics 2020: GLOBOCAN Estimates of Incidence and Mortality Worldwide for 36 Cancers in 185 Countries. *CA: A Cancer Journal for Clinicians*, 71(3), 209–249. <https://doi.org/10.3322/caac.21660>
- Wafi, A., Atmaja, L., & Ni'mah, Y. L. (2020). Analisis Kuat Tarik dan Elongasi Film Gelatin – Khitosan. *Alchemy*, 8(1), 1. <https://doi.org/10.18860/al.v8i1.9097>