

## DAFTAR PUSTAKA

- Akhira, R. R., Darmalaksana, W., Subandi, M., and Truna, D. S. 2021, Gunung Djati Conference Series, Volume 1 (2021) Conference on Islamic and Socio-Cultural Studies (CISS 2020). *Conference on Islamic and Socio-Cultural Studies (CISS 2020)*, 1: 1–7.
- Al Qaraghuli, M. M., Qaraghuli, A., and Ar, A. 2017, Where Traditional Drug Discovery Meets Modern Technology in the Quest for New Drugs. *Annals of Pharmacology and Pharmaceutics*, 2(6): 1061.
- Ali, S. F., Begum, M., Anees, A., and Ansari, M. H. A. 202,. Therapeutic potential of quince in Tibbe-e-Nabwi: A review of traditional and modern perspectives. *International Journal of Unani and Integrative Medicine*, 8(3): 173–176. <https://doi.org/10.33545/2616454x.2024.v8.i3c.313>
- Amanda, R. R., Surahman, C., Sumarna, E., Nazhan, F. A., and Muzakki, R. F. S. 2025, Analisis strategi pembelajaran dalam surat An-Nahl Ayat 11: Kajian tafsir tarbawi. *Idarah Tarbawiyah: Journal of Management in Islamic Education*, 6(2): 141–154. <https://doi.org/10.32832/itjmie.v6i2.18825>
- Aminian, A. R., Mohebbati, R., and Boskabady, M. H. 2022, The Effect of *Ocimum basilicum* L. and Its Main Ingredients on Respiratory Disorders: An Experimental, Preclinical, and Clinical Review. *Frontiers in Pharmacology*, 1: 1–14. <https://doi.org/10.3389/fphar.2021.805391>
- Arora, P., Ansari, S. H., Najmi, A. K., Anjum, V., and Ahmad, S. 2016, Investigation of anti-asthmatic potential of dried fruits of *Vitis vinifera* L. in animal model of bronchial asthma. *Allergy, Asthma and Clinical Immunology*, 12(1): 1–12. <https://doi.org/10.1186/s13223-016-0145-x>
- Audina, M., and Nusadewiarti, A. 2023, Penatalaksanaan Asma Persisten Ringan pada Pasien Lansia Usia 61 Tahun melalui Pendekatan Kedokteran Keluarga. *Jurnal Penelitian Perawat Profesional*, 5(4): 1523–1540.

- Bakti Islami, M. L. 2022, Hadis-hadis tentang Pengobatan Herbal: Studi Takhrij dan Syarah Hadis dengan Tinjauan Kesehatan. *Jurnal Penelitian Ilmu Ushuluddin*, 2(3): 503–526. <https://doi.org/10.15575/jpiu.14453>
- Baroroh, S.Si., M.Biotek., U., Muscifa, Z. S., Destiarani, W., Rohmatullah, F. G., and Yusuf, M. 2023, Molecular interaction analysis and visualization of protein-ligand docking using Biovia Discovery Studio Visualizer. *Indonesian Journal of Computational Biology(IJCB)*, 2(1): 22. <https://doi.org/10.24198/ijcb.v2i1.46322>
- Chen, D., Oezguen, N., Urvil, P., Ferguson, C., Dann, S. M., and Savidge, T. C. 2016, Regulation of protein-ligand binding affinity by hydrogen bond pairing. *Science Advances*, 2(3). <https://doi.org/10.1126/sciadv.1501240>
- Chung, Y., Kobilka, T. S., Thian, F. S., Chae, P. S., Pardon, E., Mathiesen, J. M., et al. 2012, *Complex*. 477(7366): 549–555. <https://doi.org/10.1038/nature10361>.Crystal
- Ciesielska-Figlon, K., Wojciechowicz, K., Wardowska, A., and Lisowska, K. A. 2023, The Immunomodulatory Effect of *Nigella sativa*. *Antioxidants*, 12(7). <https://doi.org/10.3390/antiox12071340>
- Connect, E. 2020, *Sejak Januari 2020 Elsevier telah membuat pusat sumber daya COVID-19 dengan informasi gratis dalam bahasa Inggris dan Mandarin tentang virus corona baru COVID-19 . 19 . Pusat sumber daya COVID-19 diselenggarakan di Elsevier Connect , Elsevier dengan ini m.*
- Dagar, S., Panwar, A., Gahalyan, D., Redhu, N., Kumar, M., Kumar, S., et al. 2025, In-silico identification of phytochemicals as potential therapeutic agents to inhibit the HMG-CoA reductase activity using computational approach. *Aspects of Molecular Medicine*, 5(March): 100086. <https://doi.org/10.1016/j.amolm.2025.100086>
- Dawson, J. R. D., Demarco, K. R., Han, Y., Bekker, S., Clancy, C. E., Yarov-

yarovoy, V., and Vorobyov, I. 2023. 2: 4 - 1.

Dinia Tasman, F., Yoga Firdaus, M., Solihin, M., Ilmu Al-Qur, J., dan Tafsir, an, Ushuluddin, F., et al. 2022, Daun Henna untuk Penyembuhan Luka Tubuh: Studi Takhrij dan Syarah Hadis. *Gunung Djati Conference Series*, 8: 460–468.

Dnyandev, K. M., Babasaheb, G. V., Chandrashekhar, K. V., Chandrakant, M. A., and Vasant, O. K. 2021, A Review on Molecular Docking. *International Research Journal of Pure and Applied Chemistry*, 22(3): 60–68. <https://doi.org/10.9734/irjpac/2021/v22i330396>

Doytchinova, I. 2022. *Drug Design—Past, Present, Future*.

Fadhil, M., Assauqi, F., Widodo, R. A., dan Fadillah, F. R. 2024, Penggunaan Hadis dan Al-Qur ’ an tentang Pengobatan sebagai Dasar Pengembangan Obat Herbal Modern Islamologi : Jurnal Ilmiah Keagamaan Islamologi : Jurnal Ilmiah Keagamaan Edisi Juli-Desember. *Ilmiah Keagamaan*, 1(2): 1–13.

Fadhilah, F. R., Rezaldi, F., Pakpahan, S. E., dan Putri, S. K. 2024, Potensi Senyawa Vitexin Pada Kombucha Bunga Kecombang (*Etlintera Elatior*) Sebagai Kandidat Obat Antikanker Kolon Yang Diprediksi Berdasarkan. 1.

Faradisa, E., dan Fakhrudin, A. 2021, Beberapa Tumbuhan Obat Di Dalam Al-Quran Ditinjau Dari Perspektif Sains. *Jurnal Pendidikan Dan Ilmu Sosial*, 3(1): 1–19.

Fuad, A., dan Mugiyanto, E. 2024, Analisis Ayat-Ayat Al-Qur’an tentang Jahe untuk Kesehatan dalam Perspektif Al-Quran dan Sains. *Jurnal Alwatzikhoebillah : Kajian Islam, Pendidikan, Ekonomi, Humaniora*, 10(2): 546–556. <https://doi.org/10.37567/alwatzikhoebillah.v10i2.3433>

Ghahremanian, S., Rashidi, M. M., Raeisi, K., dan Toghraie, D. 2022, Molecular

dynamics simulation approach for discovering potential inhibitors against SARS-CoV-2: A structural review. *Journal of Molecular Liquids*, 354: 118901. <https://doi.org/10.1016/j.molliq.2022.118901>

Hanum, Farrah Fadhillah; Rahayu, Aster; Hapsauqi, I. 2021, The Comparison Effects of NaOH and KOH as Solvents for Silica Extraction from Two Different Coal Fly Ashes. *Indonesian Journal of Chemical Research*, 9(2): 129–136. <https://doi.org/10.30598/ijcr>

Hazrina, A., dan Wicaksono, I. A. 2023, Review Artikel : Terapi Obat Kombinasi Asma Bronkial Pada Pasien Dewasa. *Farmaka*, 21(3): 379–388.

Herdini, H. 2023, Studi In Silico: Senyawa Aktif Akar Senggugu (*Clerodendrum serratum*) terhadap Penghambatan Reseptor Human Chitotriosidase-1 (hCHIT1) sebagai Antiasma. *Sainstech: Jurnal Penelitian Dan Pengkajian Sains Dan Teknologi*, 33(2): 91–107. <https://doi.org/10.37277/stch.v33i2.1717>

Hidayatullah, A., Hidayat, H., Fauzi, M. Z. I., dan Syafitri, N. A. 2024. Impelementasi Sistem Operasi Server Linux Ubuntu untuk Server NAS menggunakan TRUENAS. *Karimah Tauhid*, 3(8): 8782–8790. <https://doi.org/10.30997/karimahtauhid.v3i8.14325>

Ikhsan, M. 2021, Habbatussauda dalam Peningkatan Imun di Masa Covid-19. *Jurnal Riset Agama*, 1(1): 1–14. <https://doi.org/10.15575/jra.v1i1.14252>  
Indeks, N. (2020). *Buah safarjal bagi kesehatan psikis*.

Izzaturahmi, A. S., Pauziah, A. S. U., Virliana, A., Sitinjak, G. M. L., Ramadhiany, Z. Z., Elaine, A. A., et al. 2023, Indonesian Journal of Biological Pharmacy In Silico Study of Licorice (*Glycyrrhiza glabra* L.) on VEGFR-2 Receptors in Breast Cancer. *Indonesian Journal of Biological Pharmacy*, 3(3): 137–153.

Janbaz, K. H., Shabbir, A., Mehmood, M. H., and Gilani, A. H. 2013, Insight into

mechanism underlying the medicinal use of *Cydonia oblonga* in gut and airways disorders. *Journal of Animal and Plant Sciences*, 23(1): 330–336.

Jedli, O., Ben-Nasr, H., Zammel, N., Rebai, T., Saoudi, M., Elkahoui, S., et al. 2022, Attenuation of ovalbumin-induced inflammation and lung oxidative injury in asthmatic rats by *Zingiber officinale* extract: combined in silico and in vivo study on antioxidant potential, STAT6 and TNF- $\alpha$  pathways. 3 *Biotech*, 12(9): 1–13. <https://doi.org/10.1007/s13205-022-03249-5>

Johnson, C. P., Lasell, E. D., Goncalves, P. R., and College, M. S. B. 2018. *Vol 1 Issue 1 (2018)*. 1(1): 1–11.

Khudozhitkov, V. E., Zarvin, A. E., and Kalyada, V. V. 2025. Mass spectrometry of clustered flows during gas ionization by low-temperature plasma in the diffuser part of the nozzle. *Physics of Plasmas*, 32(3). <https://doi.org/10.1063/5.0250894>

Kim, E., Jang, S., Im, H., Huang, H., Zhang, H., Cho, N., Sung, et al. 2021, Ginger-derived compounds exert in vivo and in vitro anti-asthmatic effects by inhibiting the T-helper 2 cell-mediated allergic response. *Experimental and Therapeutic Medicine*, 23(1): 1–11. <https://doi.org/10.3892/etm.2021.10971>

Krueger, F., Grafman, J., and McCabe, K. 2008, Review. Neural correlates of economic game playing. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 363(1511): 3859–3874. <https://doi.org/10.1098/rstb.2008.0165>

La Kilo, A., Aman, L. O., Sabihi, I., and La Kilo, J. 2019. Studi Potensi Pirazolin Tersubstitusi 1-N dari Thiosemicarbazone sebagai Agen Antiamuba melalui Uji In Silico. *Indonesian Journal of Chemical Research*, 7(1): 9–24. <https://doi.org/10.30598/ijcr.2019.7-akr>

Lima, A. G., Jesus, J. G. De, Paula, V. J. R. De, Ferraz, W. R., and Trossini, G. H.

- G. 2024, Structure-Based Virtual Screening: Successes and Pitfalls. *Journal of the Brazilian Chemical Society*, 1–29.
- LIPI, L. P. M. A.-Q. B. L. and D. K. A. R. dengan L. I. P. I. 2011, Tumbuhan Dalam Prespektif Al-Qur'an Dan Sains. In *Angewandte Chemie International Edition*, 6(11): 951–952.
- Lorensia, A., dan Pratiwi, A. D. 2021, Analisis Permasalahan Terkait Obat Pada Pengobatan Pasien Asma Rawat Inap. *Farmasains : Jurnal Ilmiah Ilmu Kefarmasian*, 8(2): 93–104. <https://doi.org/10.22236/farmasains.v8i2.5399>
- Manihuruk, D. M., dan Fadhilatusholiha, N. 2024. Asma: Laporan Kasus. *Collaborative Medical Journal (CMJ)*, 10(10): 1–6.
- Marcou, G., and Rognan, D. 2007, Optimizing fragment and scaffold docking by use of molecular interaction fingerprints. *Journal of Chemical Information and Modeling*, 47(1): 195–207. <https://doi.org/10.1021/ci600342e>
- Marviella, S. T., Zulqaida, S., Sulisetyawati, T. I. B., and Ma'ruf, A. 2024, Bioactive Compounds Of Moringa Oleifera As Krasg12c Inhibitors In Colorectal Cancer: In Silico Study. *Jurnal Kimia Riset*, 9(2): 151–162. <https://doi.org/10.20473/jkr.v9i2.64871>
- Mehrabi Nasaba, E., Athari, S. M., Motlagh, B., and Athari, S. S. 2020, Effects of oral administration of *Ocimum basilicum* on goblet cell hyperplasia and upstream cytokine gene expression in allergic asthma. *Revue Francaise d'Allergologie*, 60(2): 64–68. <https://doi.org/10.1016/j.reval.2019.02.226>
- Mujammami, M. 2020, Clinical significance of *saussurea costus* in thyroid treatment. *Saudi Medical Journal*, 41(10): 1047–1053. <https://doi.org/10.15537/SMJ.2020.10.25416>
- Nadila Tri Utami, R. D. S. 2023, Pengaruh Terapi Relaksasi Otot Progresif Untuk Menurunkan Kecemasan Pada Pasien Asma Di Ruang Flamboyan Rumah

- Sakit Dr. Ak. Gani Palembang. *Repository.Poltekesbengkulu*, 12(2).
- Nasihin, S. 2021, Menghayati Mukjizat Ilahi (Fakta Ilmiah Kemukjizatan Al-Qur'an dan Sunnah pada Tumbuhan). *Jurnal Pendidikan Dan Dakwah*, 3(1): 188–200.
- Nugraha. G. 2018, Validasi Internal Kompleks Reseptor HMG-CoA Reduktase (PDB:1HWK)-ATORVASTATIN SEBAGAI ANTIKOLESTEROL DENGAN Metode Penambatan Ulang, 14(5): 172–183.
- Nugraha, G., dan Istyastono, E. P. 2020, Pembuatan Protokol Penapisan Virtual Berbasis Struktur (pvbs) untuk Identifikasi Ligan Inhibitor Reseptor Platelet-Activating Factor (PAF-r) sebagai Target Terapeutik Asma menggunakan YASARA. *Jurnal Riset Kimia*, 11(1): 35–42. <https://doi.org/10.25077/jrk.v11i1.346>
- Nugraha, G., Pranowo, H. D., Mudasir, M., dan Istyastono, E. P. 2022, Virtual Target Construction for Discovery of Human Histamine H4 Receptor Ligands Employing a Structure-Based Virtual Screening Approach. *International Journal of Applied Pharmaceutics*, 14(4): 213–218. <https://doi.org/10.22159/ijap.2022v14i4.44067>
- Nurfadhila, L., Muldianah, D., Nurdimayanthi, D. A., Rahmawati, D. S., Hartati, H., dan Fadhilah, H. 2023, Review Artikel: Pemanfaatan Kimia Komputasi Dengan Berbagai Metode Dalam Menentukan Desain Senyawa Baru. *Journal of Pharmaceutical and Sciences*, 6(2): 555–566. <https://doi.org/10.36490/journal-jps.com.v6i2.42>
- Palupi, D. A., Freistanti, E., dan Apriliani, V. E. 2021, Aktivitas Antiasma Ekstrak Jahe Merah (*Zingiber officinale* var *rubrum*) Terhadap Jumlah Eosinofil dan Sel Mast yang tidak Terdegranulasi. *Cendekia Journal of Pharmacy*, 5(1): 81–91. <https://doi.org/10.31596/cjp.v5i1.134>.

- Palupi, D. A., Miyati, M., dan Wijaya, H. M. 2021, Pengaruh Kombinasi Teofilin Dan Ekstrak Bawang Putih ( *Allium sativum* ) Terhadap Diameter Lumen Bronkiolus Mencit Asma Effect of Theophylline Combination And Garlic Extract (*Allium sativum*) On Bronchial Lumen Diameter Asthma mice. *Jurnal Farmasi Indonesia*, 1(1): 104–109.
- Palupi DA, Rahmawati S, Rahmawaty A, dan Pujiastuti E. 2020, Comparison of Anti Asthma Activity Between Extract and Oil *Nigella sativa* on Histopathology of Bronchial Epithelial in Asthma Mice. *Jurnal Farmasi Sains Dan Praktis*, 6(1): 67–75.
- Partika, R., dan Azelia, N. 2023, Penatalaksanaan Holistik Pada Wanita Usia 21 Tahun dengan Asma Persisten Ringan Melalui Pendekatan Kedokteran Keluarga Medula |. *Medula*, 13(5): 792.
- Pitaloka, A. D., Nurhijriah, C. Y., Kalina, K., Musyaffa, H. A., dan Azzahra, A. M. 2023, Penambatan Molekuler Konstituen Kimia Tumbuhan Bawang Dayak (*Eleutherine palmifolia* (L.) Merr) terhadap Reseptor VHR sebagai Kandidat Obat Antikanker Serviks. *Indonesian Journal of Biological Pharmacy*, 3(2): 83. <https://doi.org/10.24198/ijbp.v3i2.45221>.
- pinisiarisna.2025, Membangun protokol *structure-based virtual screening* (SBVS) untuk kandidat ligan antiasma. Universitas 'Aisyiyah. Palembang.
- Prabawati, S. Y., Triatmaja, K., and Widiakongko, P. D. 2025, Molecular Docking Study of Eugenol and Its Derivatives as Potential Anti-Ischemia Agents for Angiotensin Converting Enzyme (ACE) Inhibition. *Indonesian Journal of Chemistry*, 25(3): 929–942. <https://doi.org/10.22146/ijc.101791>
- Prayoga, T., Rahmat, D., Sandhiutami, N. M. D., dan Desmiaty, Y. 2025, Analisis Prediksi Efek Antiinflamasi Pada Piper *Porphyrophyllum* Secara in Silico. *Jiis (Jurnal Ilmiah Ibnu Sina): Ilmu Farmasi Dan Kesehatan*, 10(1): 30–40. <https://doi.org/10.36387/jiis.v9i2.2352>

- Rifaannudin, M., dan Hibban, M. faishal. 2022, Manfaat Tumbuhan Dalam Al Qur'an Bagi Kesehatan (Pendekatan Tafsir 'Ilmi). *Al Muhafidz: Jurnal Ilmu Al-Qur'an Dan Tafsir*, 2(1): 265–278. <https://doi.org/10.57163/almuhafidz.v2i1.32>
- Rouibah, Z., Ben Mensour, A., Rekik, O., Boumendjel, M., Taibi, F., Bouaziz, M., et al. 2022, Chemical composition, antioxidant activities, in an allergic asthma model, of *Olea europaea* L. leaf extracts from Collo (Skikda, Algeria). *Drug and Chemical Toxicology*, 45(1):197–208. <https://doi.org/10.1080/01480545.2019.1679827>
- Rulianaanggi.2023, penapisan virtual berbasis struktur (PVBS) senyawa tanaman obat di indonesia dengan target reseptor beta-2 adrenergik (PDB : 2RH1) sebagai antiinflamasi. Universitas 'Aisyiyah. palembang.
- Rutz, A., Sorokina, M., Galgonek, J., Mietchen, D., Willighagen, E., Gaudry, A., et al. 2022, The LOTUS initiative for open knowledge management in natural products research. *ELife*, 11: 1–41. <https://doi.org/10.7554/eLife.70780>
- Sahgal, A., Airajuddin, A., Pravallika, S., and Buwa, V. 2023, *Identification Of Anti-Asthmatic Drug From Medicinal Plants Using An In Silico Approach*. 11(5).
- Septiana, R. A. E., dan Ritawati, R. A. 2024. Herbalogi Dalam Al- Qur'an, Sebuah Analisis Dalam Tafsir Tematik. *El-Mubarak: Islamic Studies Journal*, 1: 87–96.
- Shaban, N. Z., Sleem, A. A., Abu-Serie, M. M., Maher, A. M., and Habashy, N. H. 2022, Regulation of the NF- $\kappa$ B signaling pathway and IL-13 in asthmatic rats by aerosol inhalation of the combined active constituents of *Punica granatum* juice and peel. *Biomedicine and Pharmacotherapy*, 155 (September): 113721. <https://doi.org/10.1016/j.biopha.2022.113721>

- Shaikh, S. B., & Bhandary, Y. P. 2021, Therapeutic properties of Punica granatum L (pomegranate) and its applications in lung-based diseases: A detailed review. *Journal of Food Biochemistry*, 45(4): 1–16. <https://doi.org/10.1111/jfbc.13684>
- Syukri, Y. 2022, Pengobatan Islam Serta Teknologi Terkini. In *Yandi Syukri*.
- Uchikoga, N., Matsuzaki, Y., Ohue, M., Hirokawa, T., and Akiyama, Y. 2013, *Re-Docking* Scheme for Generating Near-Native Protein Complexes by Assembling Residue Interaction Fingerprints. *PLoS ONE*, 8(7). <https://doi.org/10.1371/journal.pone.0069365>
- Urbi, Z., Hossain, S., Hafizur Rahman, K. M., and Zayed, T. M. 2014, Grape: A medicinal fruit species in the holy Qur'an and its ethnomedical importance. *World Applied Sciences Journal*, 30(3): 253–265. <https://doi.org/10.5829/idosi.wasj.2014.30.03.81114>
- Yuniasari, H. 2021, Penatalaksanaan Holistik Asma Eksaserbasi Pada Pasien Perempuan Usia 39 Tahun dengan Pendekatan Kedokteran Keluarga. *Medical Profession Journal of Lampung*, 11(2): 229–239.