## DAFTAR PUSTAKA


[1] A. Pascayantri *et al.*, "Stay Naturak , Stay Safe : Gerakan Cerdas Meningkatkan Kesadaran Masyarakat Kelurahan Anawai Terhadap Penggunaan Obat Tradisional yang Tepat dan Aman Melalui Edukasi Berbasis Literasi Kesehatan," *J. Pengabdi. Masy.*, vol. 3, no. 1, pp. 141–150, 2026, doi: 10.62335.

[2] I. Arief, Husnani, and A. Masykuroh, "Sosialisasi Aspek Keamanan Dalam Penggunaan Obat Herbal Bagi Anggota PKK Desa Pal IX Kabupaten Kubu Raya," *J. Adam J. Pengabdi. Masy.*, vol. 2, no. 1, pp. 23–26, 2023.

[3] Y. Ridwan and F. Satrija, "Toksisitas Akut Ekstrak Daun Miana ( Coleus Blumei Benth ) pada Mencit ( Mus Musculus )," *Acta Vet. Indones.*, vol. 8, no. 1, pp. 55–61, 2020.

[4] N. S. Hadi, M. Goi, and Agus, "Efek Ekstrak Daun Jambu Biji terhadap Tekanan Darah pada Rattus Norwegicus Strain Wistar," *J. Ilm. Kesehat.*, vol. 4, no. 2, pp. 319–326, 2022, doi: 10.36590/jika.v4i2.326.

[5] M. R. Adiyasa and Meiyanti, "Pemanfaatan obat tradisional di Indonesia : distribusi dan faktor demografis yang berpengaruh," *J. Biomedia dan Kesehat.*, vol. 4, no. 3, pp. 130–138, 2021, doi: 10.18051/JBiomedKes.2021.v4.130-138.

[6] Z. V. Sagala, Ridwanto, S. A. Daulay, and F. A. Pulungan, "Uji Toksisitas Menggunakan Metode BSLT dan Uji Antibakteri Staphylococcus aureus dan Escherichia coli Ekstrak dan Fraksi Daun Karamunting ( Rhodomyrtus tomentosa ( Aiton ) Hassk .)," *J. Pharm. Sci.*, vol. 8, no. 1, pp. 603–625, 2025, doi: 10.36490/journal-jps.com.

[7] K. Nastiti *et al.*, "Literatur Review : Efektivitas Daun Jambu Biji ( Psidium guajava L . ) Sebagai Obat Diare," *J. Surya Med.*, vol. 11, no. 2, pp. 300–302, 2025, doi: 10.33084/jsm.v11i2.10584.

[8] A. Adetutu, T. D. Olaniyi, and O. A. Owoade, "GC-MS analysis and in silico assessment of constituents of Psidium guajava leaf extract against DNA gyrase of Salmonella enterica serovar Typhi," *Informatics Med. Unlocked*, vol. 26, no. 1, p. 100722, 2021, doi: 10.1016/j.imu.2021.100722.

[9] E. Díaz-de-cerio, A. M. Gómez-caravaca, V. Verardo, G. A. Fernández, and A. S. Carretero, "Determination of guava ( Psidium guajava L .) leaf phenolic compounds using HPLC-DAD-QTOF-MS," *J. Funct. Foods*, vol. 22, no. 1, pp. 376–388, 2016, doi: 10.1016/j.jff.2016.01.040.

[10] W. Ruksiriwanich *et al.*, "Guava ( Psidium guajava L.) Leaf Extract as Bioactive Substances for Anti-Androgen and Antioxidant Activities," *Plant*, vol. 11, no. 3514, pp. 1–14, 2022, doi: 10.3390/plants11243514.

[11] T. K. Wardani, Ahwan, and F. Qonitah, "Penetapan Kadar Kuersetin Ekstrak Etanol Pada Daun Jambu Biji (Psidium guajava L) Dengan Metode Spektrofotometri UV-Vis dan Profil Kromatografi Lapis Tipis," *J. Farm. Sains dan Kesehat.*, vol. 02, no. 01, pp. 13–23, 2024, doi: 10.65117/57kwwz16.

[12] N. A. Safitri, M. Z. Manzalina, M. F. A. F, F. Rahmadini, and M. Andanalusia, "Potensi Senyawa Kuersetin dalam Daun Jambu Biji ( Psidium guajava L . ) sebagai Pengobatan Demam Berdarah Dengue,"

*Lomb. Med. J.*, vol. 2, no. 3, pp. 67–73, 2023, doi: /10.29303/lmj.v2i2.2851 Article.

[13] J. Fahiroh *et al.*, "Tinjauan Literatur : Efektivitas Maserasi sebagai Metode Ekstraksi Fitokimia," *Obat J. Ris. Ilmu Farm. dan Kesehat.*, vol. 3, no. 6, pp. 228–242, 2025, doi: 10.61132/obat.v3i6.19 2 7.

[14] N. Hataningtyas, A. Wilapangga, and S. Royani, "Skrining Fitokimia Ekstrak Etanol 96 % Bunga Telang ( Clitoria ternatea L .) Dan Uji Kemampuan Sebagai Antibakteri," *J. Pharm. Umr.*, vol. 1, no. 2, pp. 132–145, 2024.

[15] I. W. A. Y. Saputra and A. A. G. R. Y. Putra, "Studi Bibliometrik : Aktivitas Antioksidan Daun Jambu Biji ( Psidium guajava L .) sebagai Bahan Obat Herbal," *Pros. SEMNAS Farm.*, vol. 3, no. 1, pp. 120–128, 2024, doi: 10.24843/WSNF.2024.v03.p12.

[16] D. A. Husna, K. Wijayanti, and E. Susanto, "Potensi Daun Jambu Biji Sebagai Agen Antiinflamasi Untuk Perawatan Trauma Puting pada Ibu Menyusui: Literatur Review," *Mahesa Malahayati Heal. Student J.*, vol. 5, no. 8, pp. 3415–3437, 2025.

[17] H. W. P. Sabandar, H. Purnomo, and I. Arifin, "Molecular Docking Senyawa Jambu bij ( Psidium guajava L .) Tehadap Reseptor Estrogen Alfa Sebagai Model Kandidat Antikanker Payudara," *J. Ilmu Farm. dan Farm. Klin.*, vol. 1, no. 1, pp. 19–27, 2023.

[18] E. D. Utami, H. N. Baroroh, and Nuryanti, "Efek Toksisitas Subakut Ekstrak Etanol Daun Jambu Biji ( Psidium guajava ) pada Lambung Tikus Wistar," *J. Ilmu Kefarmasian Indones.*, vol. 16, no. 1, pp. 61–66, 2018, doi: 10.35814/jifi.v16i1.466.

[19] A. Siregar, Ridwanto, A. S. Daulay, and M. H. Nasution, "Uji toksisitas menggunakan metode BSLT dan uji antibakteri Staphylococcus aureus dan Escherichia coli ekstrak dan fraksi batang karamunting ( Rhodomyrtus tomentosa ( Aiton ) Hassk .)," *J. Pharm. Sci.*, vol. 8, no. 1, pp. 581–602, 2025, doi: 10.36490/journal-jps.com.

[20] Nuralifah, Parawansah, and H. Nur, "Uji Toksisitas Akut Ekstrak Air Dan Ekstrak Etanol Daun Kacapiring ( Gardenia jasminoides Ellis ) Terhadap Larva Artemia Salina Leach Dengan Metode Brine Shrimp Lethality Test ( BSLT )," *Indones. J. Pharm. Educ.*, vol. 1, no. 2, pp. 98–106, 2021, doi: 10.37311/ijpe.v1i2.11462.

[21] A. Surya, A. ajis Saputra, H. Marliza, and Zaiyar, "Potensi Toksisitas Ekstrak Etanol Dau Salam an Keji Beling dengan Metode BSLT (Brine Shrimp Lethality Test)," *J. Katalisator*, vol. 8, no. 1, pp. 137–146, 2023, doi: 10.22216/jk.v5i2.5717.

[22] Y. D. Prasticha and Surahmalda, "Uji Brine Shrimp Lethality Test (BSLT) Ekstrak Etanol 96% Daun Ande-Ande Lumut (Selaginella doederleineii)," *Biospecies*, vol. 17, no. 2, pp. 1–6, 2024, doi: 10.22437/biospecies.v17i2.35582.

[23] M. R. Rachmansyah, Y. Eden, and S. T. Rahayu, "Studi In-Silico Anti-Alzheimer Senyawa dari Tanaman Ramayana ( Senna spectabilis ) sebagai Penghambat Asetilkolinesterase," *Arch. Pharm.*, vol. 8, no. 1, pp. 60–76,

2026.

[24] E. Wangsasaputra, S. Prihandini, C. N. Ginting, and L. Chiuman, "Prediksi Toksisitas In Silico Senyawa Bioakktif Daun Kemangi ( Ocimum Sanctum L . )," *Damianus J. Med.*, vol. 22, no. 2, pp. 108–118, 2023, doi: 10.25170/djm.v22i2.4634.

[25] S. Amin and F. F. Makia, "Pendekatan In Silico dalam Penemuan Senyawa Bioaktif Tanaman sebagai Kandidat Obat Antidiabetes," *Obat J. Ris. Ilmu Farm. dan Kesehat.*, vol. 3, no. 6, pp. 146–162, 2025, doi: 10.61132/obat.v3i6. 1887.

[26] S. Noer and E. N. Putri, "Uji Aktivitas Senyawa 5- hydroxymethylfurfural dari Tanaman Abiu ( Pouteria caimito ) sebagai Kandidat Obat Kanker Tulang Menggunakan Metode In Silico," *Biol. Sci. Educ. J.*, vol. 4, no. 2, pp. 67–74, 2024, doi: 10.30998/edubiologia.v4i2.24683.

[27] L. Fu *et al.*, "ADMETlab 3 . 0 : an updated comprehensive online ADMET prediction platform enhanced with broader coverage , impro v ed perf ormance , API functionality and decision support," *Nucleic Acids Res.*, vol. 52, no. 1, pp. 422–431, 2024, doi: https://doi.org/10.1093/nar/gkae236.

[28] R. Sengka, A. B. Rompegading, R. Irfandi, M. Nur, and A. Yani, "Potential of Quercetin Compound from Guava Leaves ( Psidium guajava L .) as a Inhibitor COVID-19," *Indones. J. Pharm. Sci. Technol.*, vol. 11, no. 3, pp. 313–322, 2024.

[29] E. D. S. Marbun, M. Suryani, I. Zahra, and R. Amelia, "Komponen Fitokimia Daun Jambu Biji (Psidium guajava L.) dan Aktivitas Farmakologisnya," *JIIC J. Intelek Insa. Cendekia*, vol. 2, no. 1, pp. 1578–1582, 2025, [Online]. Available: jiic: JURNAL INTELEK INSAN CENDIKIA https://jicnusantara.com/index.php/jiic Vol

[30] M. A. Fardiaz, I. S. Pratama, and S. R. Aini, "Uji Toksisitas Akut Ekstrak Air Kulit Buah Nanas ( Ananas comosus L .) dengan Metode BSLT," *Indones. J. Pharm. Sci. Technol.*, vol. 12, no. 1, pp. 93–99, 2025, doi: 10.24198/ijpst.v12i1.48332 Acute.

[31] S. Wahyuni, M. Afidah, and Suryanti, "Studi Morfologi Organ Vegetatif dan Generatif Varietas Jambu Biji (Psidium guajava Liin)," *Bio-Lectura J. Pendidik. Biol.*, vol. 9, no. 1, pp. 103–113, 2022.

[32] F. A. Sinaga, M. Faisal, M. H. Sabila, N. I. Rahma, and Y. Safitri, "Identifikasi Tumbuhan Famili Myrtaceae di Kawasan Jalan Sukarela Timur, Desa Lau Dendang, Kecamatan Percut Sei Tuan Fuja," *Alacrity J. Educ.*, vol. 5, no. 1, pp. 120–132, 2025.

[33] D. Handarni, S. H. Putri, and Tensiska, "Skrining Kualitatif Fitokimia Senyawa Antibakteri pada Ekstrak Daun Jambu Biji ( Psidiium guajava L .)," *J. Keteknikan Pertan. Trop. dan Biosist.*, vol. 8, no. 2, pp. 182–188, 2020, doi: doi https://doi.org/10.21776/ub.jkptb.2020.008.02.08.

[34] N. Kurniasih *et al.*, "Uji Efektivitas Antidiare Infus Daun Jambu Biji (Psidium Guajava L), Daun Teh (Camelia Sinensis), Daun Kersen (Muntigia Calabura L) dan Daun Sembukan (Paederia Foetida L) terhadap Mencit Jantan (Mus Muculus) yang Diinduksi Paraffin Cair dan Oleum Richini," *Indogenius*, vol. 03, no. 03, pp. 250–255, 2024, doi:

https://doi.org/10.56359/igj.v3i3.496.
[35] N. Elyyana, A. Oktavianti, M. Alfiyah, C. V. Advaita, and M. G. Ryandha, "Aktivitas Farmakologi Daun Jambu Biji ((Psidium guajava L.) Sebagai Antidiare," *J. Pharmacy, Med. Heal. Sci.*, vol. 03, no. 01, pp. 1–10, 2022, doi: https://doi.org/10.35706/pc.v3i1.7237.
[36] W. S. Abdulkadir, E. N. Djuwarno, and S. A. Damiti, "Uji Efektivitas Ekstrak Daun Jambu Biji (Psidium guajava ) dalam Menurunkan Kadar Gula Darah Mencit ( Mus musculus )," *J. Syifa Sci. Clin. Res.*, vol. 6, no. 1, pp. 1–8, 2024, doi: https://doi.org/10.37311/jsscr.v6i1.2137.
[37] D. Sylvia, V. Apriliana, and L. O. A. Rasydy, "Analisis kandungan protein yang terdapat dalam daun jambu biji (Psidium guajava L.) Menggunakan Metode Kjeldahl & Spektrofotometri UV-VIS," *J. Farmagazine*, vol. VIII, no. 2, pp. 64–72, 2021, doi: http://dx.doi.org/10.47653/farm.v8i2.557 ABSTRAK.
[38] S. B. Triyanti *et al.*, "Pengaruh Metode Ekstraksi Maserasi , Sonikasi , dan Sokletasi Terhadap Nilai Rendemen Sampel Kulit Buah Naga ( Hylocereus polyrhizus )," *J. Sains dan Edukasi Sains*, vol. 8, no. 1, pp. 71–78, 2025, doi: 10.24246/juses.v8i1p.
[39] Hasnaeni, Wisdawati, and S. Usman, "Pengaruh Metode Ekstraksi Terhadap Rendemen Dan Kadar Fenolik Ekstrak Tanaman Kayu Beta-Beta ( Lunasia amara Blanco )," *J. Farm. Galen. (Galenika J. Pharmacy)*, vol. 5, no. 2, pp. 175–182, 2019, doi: 10.22487/j24428744.2019.v5.i2.13149.
[40] A. R. Aryanti, M. H. Susanti, A. H. Saputro, Herayati, I. P. Sari, and I. S. Saputra, "Perbandingan Metode Ekstraksi Maserasi , Sokletasi , Dan Sonikasi Terhadap Nilai Rendemen Ekstrak Rimpang Kunyit (Curcuma Longa L.)," *J. Chem. Sci. Educ.*, vol. 2, no. 1, pp. 1–9, 2025, doi: https://doi.org/10.69606/jcse.v2i01.237.
[41] F. I. Gunawan, S. A. Putri, V. U. Ramdhanawati, and M. Umami, "Kajian Metode Maserasi Ekstrak Daun Teh Hijau (Camellia sinensis) Dengan Berbagai Pelarut (Maceration," *J. Biol. Sci. Educ.*, vol. 13, no. 1, pp. 66–75, 2024, doi: https://doi.org/10.33477/bs.v13i1.7054.
[42] R. Y. Asworo and H. Widwiastuti, "Pengaruh Ukuran Serbuk Simplisia dan Waktu Maserasi terhadap Aktivitas Antioksidan Ekstrak Kulit Sirsak," *Indones. J. Pharm. Educ.*, vol. 3, no. 2, pp. 256–263, 2023, doi: 10.37311/ijpe.v3i2.19906.
[43] W. E. Adiwinata *et al.*, "Artikel Review Fitokimia : Efektivitas Infusa sebagai Metode Ekstraksi," *JFST J. Farm. Sains dan Kesehat.*, vol. 03, no. 02, pp. 48–58, 2025, doi: 10.65117/kt3vn985 Article.
[44] Y. Z. Ibriyah, Hasriyani, and F. Arif, "Pengaruh Jenis Pelarut ( E tanol 96 %, E til Asetat , Dan Kombinasinya ) Pada E kstraksi Daun Alpukat ( Persea Americana M ill ) T erhadap Aktivitas Antibakteri Staphylococcus Areus Secara In Vitro," *J. Innov. Creat.*, vol. 5, no. 2, pp. 21843–21861, 2025.
[45] R. K. U. Pasaribu, M. Iqbal, D. I. Rahayu, Afriyanti, and Ramadhan, "Pengaruh Pemilihan Pelarut Terhadap Rendemen Ekstrak Daun Teh Hijau ( Camellia sinensis) Menggunakan Metode Ekstraksi Maserasi," *Sains*

*Med.*, vol. 3, no. 5, pp. 275–279, 2025.
[46] M. Rahayu and M. F. Solihat, *Toksikologi Klinik*, Pertama. Kemenkes RI, 2018.
[47] rer nat T. T. Irianti, Sugiyanto, Kuswandi, and S. Nuranto, *Toksikologi Lingkungan*. Yogyakarta, 2017.
[48] P. P. Putra, A. Fauzana, and H. Lucida, "In Silico Analysis of Physical-Chemical Properties , Target Potential , and Toxicology of Pure Compounds from Natural Products," *Indones. J. Pharm. Sci. Technol. J.*, vol. 7, no. 3, pp. 107–117, 2020.
[49] E. Retnowati, A. Z. Primananda, W. Sabaan, H. Hasriyani, Y. Mundriyastutik, and F. A. Ramadhani, "Uji Toksisitas Konsentrasi Ekstrak Metanol Daun Pedada (Sonneratia Caseolaris) Terhadap Jumah Kematian dari Larva Udang (Artemia Salina Leach)," *IJF (Indonesia J. Farm.*, vol. 9, no. 1, pp. 52–57, 2024, doi: 10.26751/ijf.v9i1.2436.
[50] J. T. Mitchell and E. B. Johnson, "Comparison of In Vitro and In Silico Assessments of Human Galactose-1-Phosphate Uridylyltransferase Coding Variants," *Cureus*, vol. 15, no. 1, pp. 1–8, 2023, doi: 10.7759/cureus.33592.
[51] A. Dewi, O. Pramiastuti, and L. G. N. Nurhidayati, "Uji Toksisitas Ekstrak Etanol Temu Blenyeh (Curcuma purpurascens Blume) terhadap Ikan Zebra ( Danio rerio )," *J. Ilm. Medicam.*, vol. 10, no. 2, pp. 169–177, 2024, doi: 10.36733/medicamento.v10i2.9483.
[52] S. K. Putri *et al.*, *Toksikologi*. Padang, Sumatera Barat: CV Hei Publishing Indonesia, 2024.
[53] P. S. Dewi and M. T. Ma'ruf, "Uji Toksisitas Sub-akut Ekstrak Jahe Merah Zingiber officinale var. Rubrum) Terhadap Mencit (Mus musculus)," *Interdental J. Kedokt. Gigi*, vol. 19, no. 1, pp. 1–5, 2023, doi: 10.46862/interdental.v19i1.6289.
[54] T. A. Listyani, M. Addawiyyah, and D. Raharjo, "Uji In Silico Toksisitas Senyawa Derivat Flavonoid Beserta Modifikasi Senyawa Baru," *MEDFARM J. Farm. dan Kesehat.*, vol. 3, no. 2, pp. 197–210, 2024.
[55] S. Rahimah, M. Salampe, and N. Rahmania, "Uji Toksisitas Teratogenik Ekstrak Etanol Daun Asam Jawa (Tamarindus indica Linn) Terhadap Tikus (Rattus norvegicus)," *As-Syifaa J. Farm.*, vol. 12, no. 1, pp. 29–35, 2020.
[56] J. Zhang *et al.*, "Mutagenicity Assessment to Pesticide Adjuvants of Toluene , Chloroform , and Trichloroethylene by Ames Test," *Int. J. Enviroment Res. Public Heal.*, vol. 18, no. 8095, pp. 1–12, 2021, doi: https://doi.org/10.3390/ijerph18158095.
[57] S. Amin, S. Mustafidah, N. S. Nabila, and C. Maharani, "Review Artikel : Pendekatan in Silico dalam Kimia Medisinal tentang Resistensi Antibiotik," *J. Ilmu Medis Indones.*, vol. 4, no. 1, pp. 83–91, 2024, doi: 10.35912/jimi.v4i1.45651.
[58] E. Wangsasaputra, S. Prihandini, C. N. Ginting, and L. Chiuman, "Prediksi Toksisitas In Silico Senyawa Bioaktif Daun Kemangi (Ocimum sanctum. L)," *Damianus J. Med.*, vol. 22, no. 2, pp. 108–118, 2023, doi: 10.25170/djm.v22i2.4634.

[59] N. Sa'banah, R. Mardianingrum, and S. R. N. Endah, "Desain dan Studi In Silico Senyawa Daun Kelor ( Moringa oleifera ) sebagai Kandidat Antimikroba terhadap Staphylococcus aureus," *J. Islam. Pharm.*, vol. 9, no. 2, pp. 72–82, 2024, doi: 10.18860/jip.v9i2.29099.

[60] Rinah, M. Jannah, Handayani, and T. Primayanti, "Studi in silico potensi toksisitas senyawa andrografolid dalam penggunaan terapi diabetes," *J. Esabi (Jurnal Edukasi dan Sains Teknol.*, vol. 7, no. 2, pp. 174–183, 2025, doi: 10.37301/esabi.v7i2.111.

[61] L. Ode *et al.*, "Studi Farmakokinetik dan Toksisitas Senyawa Biji Jintan Hitam ( Nigella sativa )," *J. Mandala Pharmacon Indones.*, vol. 10, no. 2, pp. 736–742, 2024, doi: 10.35311/jmpi.v10i2.661.

[62] N. N *et al.*, "Studi in Silico Seskuiterpen Hidrokarbon dari Resin Daemonorops Draco sebagai Kandidat Agen Antikanker," *J. Kesehat. Amanah*, vol. 10, no. 1, pp. 178–195, 2026, doi: 10.57214/jka.v10i1.1062.

[63] F. Tuti, W. O. Yuliastri, C. Dewi, and J. Baco, "Uji Toksisitas Akut Ekstrak Etanol Kulit Batang Kayu Jawa ( Lannea coromandelica ) Pada Mencit ( Mus musculus )," *J. Pharm. Mandala Waluya*, vol. 1, no. 3, pp. 127–132, 2022, doi: https://doi.org/10.54883/jpmw.v1i3.32 Uji.

[64] S. N. Fadzillah, D. Hernawati, and R. R. Putra, "Analisis In silico: Aktivitas Antiinflamasi dan Prediksi Toksisitas Senyawa Metabolit Sekunder Daun Ciplukan (Physalis peruviana L.)," *Biosci. J. Ilm. Biol.*, vol. 12, no. 1, pp. 517–539, 2024, doi: https://doi.org/10.33394/bioscientist.v12i1.9592 Bioscientist.

[65] A. M. Lubis, A. Dalimunthe, P. Sitorus, D. Satria, I. Pertiwi, and Damayanti, "Efek Ekstrak Etanol Daun Mobe ( Artocarpus lacucha Buch-Ham .) terhadap Histopatologi Hati Tikus Diinduksi Karbon Tetraklorida," *J. Pharm. Sci.*, vol. 9, no. 1, pp. 395–406, 2026, doi: 10.36490/journal-jps.com.

[66] S. G. Despotovi, B. R. Gavrilovi, T. B. Radovanovi, T. G. Petrovi, M. D. Proki, and J. P. Gavri, "Effects of glyphosate-based herbicide on oxidative stress and neurotoxicity parameters in newt ( Triturus ivanbureschi ) larvae under temperature changes predicted by future climate scenarios," *Ecotoxicol. Environ. Saf.*, vol. 303, no. August, 2025, doi: 10.1016/j.ecoenv.2025.118969.

[67] S. Hemalatha, S. Swamy, N. S. Sonar, M. G. Hariprasad, and S. Nandini, "Nephrotoxicity , its mechanism and biomarkers : A systematic review," *IP J. Urol. Nephrol. Hepatol. Sci.*, vol. 2, no. 4, pp. 45–49, 2019.

[68] G. Li, D. Li, W. Zhai, C. Liu, M. Chen, and Q. Xu, "Ecotoxicology and Environmental Safety Respiratory toxicity mechanism of 6PPD and 6PPD-quinone : An integrated study based on network toxicology and molecular docking," *Ecotoxicol. Environ. Saf.*, vol. 301, no. June, p. 118494, 2025, doi: 10.1016/j.ecoenv.2025.118494.

[69] F. Madia, A. Worth, M. Whelan, and R. Corvi, "Carcinogenicity assessment : Addressing the challenges of cancer and chemicals in the environment," *Enviroment Int.*, vol. 1, no. 1, pp. 417–429, 2019, doi: 10.1016/j.envint.2019.04.067.

[70] Salman *et al.*, *Farmakokinetika*. Purbalingga: Eureka Media Aksara, 2024.
[71] K. Hsu, B. Su, Y. Tu, O. A. Lin, and Y. J. Tseng, "Mutagenicity in a Molecule : Identification of Core Structural Features of Mutagenicity Using a Scaffold Analysis," *Plos one J.*, vol. 10, no. 1, pp. 1–17, 2016, doi: 10.1371/journal.pone.0148900.
[72] R. Zhang, N. Cui, L. Tang, Y. Pan, M. Li, and G. Yang, "A clinical review of acute poisoning among pediatric individuals," *Eur. J. Med. Res.*, vol. 31, no. 29, pp. 1–9, 2026, doi: 10.1186/s40001-025-03633-.
[73] Ruswanto, R. Mardianingrum, and F. M. Naser, "Desain dan Study Interaksi Senyawa Kompleks Cobalt (II)-(I-Benzoyl-3 Methyl Thioureas) dengan DNA Sebagai Kandidat Antikanker," *Pharmacoscript*, vol. 6, no. 2, pp. 152–163, 2023, doi: 10.36423/pharmacoscript.v6i2.1264.
[74] T. Ferdous, Q. He, and W. Zhang, "Cytotoxicity and genotoxicity of glyphosate and Roundup Quickpro on Chinese hamster ovary cells," *Sci. Rep.*, vol. 1, no. 1, pp. 1–9, 2025.
[75] L. M. Schuijt, F. Peng, S. J. P. Van Den Berg, M. M. L. Dingemans, and P. J. Van Den Brink, "(Eco)toxicological tests for assessing impacts of chemical stress to aquatic ecosystems: Facts, challenges, and future," *Sci. Total Environ.*, vol. 795, no. 1, p. 148776, 2021, doi: 10.1016/j.scitotenv.2021.148776.
[76] I. K. Klara, R. M. Purwono, and P. Achmadi, "Analisis In Silico Senyawa Flavonoid Kayu Secang ( Caesalpinia sappan L .) pada Reseptor α-Amilase Sebagai Antihiperglikemik," *Acta Vet. Indones.*, vol. 11, no. 3, pp. 210–219, 2023.
[77] O. Nursanti, A. Aziz, and G. Hadisoebroto, "Prediksi Toksisitas dan Farmakokinetika mendapatkan Kandidat Obat Analgesik," *J. Noncommunicable Dis.*, vol. 3, no. 1, pp. 34–46, 2023, doi: 10.5236/jond.v3i1.654.
[78] U. K. Salma, D. Gozali, and H. L. Hanifa, "Review Artikel: Peningkatan Kelarutan Atorvastatin dengan Berbagai Metode Dispersi Padat," *J. Ilm. Farm. Farmasyifa*, vol. 4, no. 1, pp. 6–16, 2020, doi: 10.29313/jiff.v4i1.v4i1.6768.
[79] S. Amin, R. F. Salma, D. Hamzah, and K. P. Adelita, "Peran Kimia Medisinal Dalam Meningkatkan Bioavailabilitas Obat Antihipertensi," *J. Innov. Creat.*, vol. 5, no. 3, pp. 64–74, 2025.
[80] R. P. Wulandari *et al.*, "In Silico Study of Secondary Metabolite Compounds in Parsley ( Petroselinum crispum ) as a Drug Terapy for Blood Cancer ( Myeloproliferative Neoplasm ( MPN )) targeting JAK-2," *Indones. J. Chem. Sci.*, vol. 12, no. 2, pp. 217–228, 2023.
[81] D. R. Agustian, Syafrizayanti, Y. N. Alfath, Riga, and A. J. Kusnanda, "Studi Molecular Docking dan Farmakoinformatika Senyawa Kurkumin dan Arturmeron pada Tumbuhan Kunyit (Curcuma Longa Linn.) Sebagai Antihipertensi," *J. Sains dan Kesehat.*, vol. 6, no. 5, pp. 657–665, 2024, doi: 10.25026/jsk.v6i5.2287.
[82] M. Subhan, K. Sanachai, B. Sungthong, S. Datham, J. Ratha, and P. Puthongking, "Comparison in vitro and in silico studies of phenolic acids

and flavonoids on α -glucosidase inhibition," *J. Pharm. Pharmacogn. Res.*, vol. 13, no. 1, pp. 311–323, 2025, doi: 10.56499/jppres24.2081_13.1.31.

[83] W. N. Hasmar *et al.*, *Farmakologi Dasar untuk Farmasi*. Kendari: Perkumpulan Pendidikan dan Pelatihan Tenaga Kesehatan Progres Ilmiah Kesehatan, 2025.

[84] D. A. M. Adnyaswari, A. W. Indrayani, and I. G. A. Artini, "In silico Toxicity and Pharmaceutical Properties to Get Candidates for Antitumor Drug," *J. Pharm. Res. Int.*, vol. 36, no. 2, pp. 1–11, 2024, doi: 10.9734/JPRI/2024/v36i27497.

[85] A. Bulqiah and N. Bunyamin, "Peran Metabolik Alam dan Implikasi Klinisnya Pada Modulasi Enzim CYP450," *J. Heal. Sci. Public Heal. Med.*, vol. 01, no. 3, pp. 1–5, 2025.

[86] E. R. Noordam, A. Wilapangga, and D. Rahmawati, "Analisis in Silico Potensi Farmakokinetik senyawa Methyl salicylate 2-O- β -D-glucopyranoside dari Ekstrak Daun Sirih Merah ( Piper crocatum )," *Indones. J. Pharm. Educ.*, vol. 4, no. 2, pp. 317–324, 2024, doi: 10.37311/ijpe.v4i2.26958.

[87] J. Lipman and R. E. Lewis, "The long walk to a short half-life : the discovery of augmented renal clearance and its impact on antibiotic dosing," *J. Antimicrob. Chemother.*, vol. 80, no. 12, pp. 3367–3374, 2025, doi: 10.1093/jac/dkaf378.

[88] N. A. Satya, D. Luthfiyani, C. Pradana, A. Kolib, and C. A. Aprilia, "Brine Shrimp Lethality Test on Aqueous Extract of Caesalpinia Sappan L," *J. Farm. Indones.*, vol. 13, no. 1, pp. 62–67, 2021.

[89] S. Ahmed, "Applications of Daphnia Magna in Ecotoxicological Studies : A Review," vol. 6, no. 2, pp. 16–35, 2023.

[90] J. S. Frizqia, S. G. Widi, M. Ferdinand, A. Zuhrotun, and S. Megantara, "Uji Toksisitas Infusa Acalypha siamensis dengan Metode Brine Shrimp Lethality Test (BSLT)," *Farmaka*, vol. 18, no. 1, pp. 14–22, 2020, doi: /10.24198/jf.v18i1.25926.g12615.

[91] M. Aris and A. N. I. Adriana, "Uji LC50 Ekstrak Daun Mentimun (Cucumis sativus L) Terhadap Larva Udang Renik Air Asin (Artemia Salina Leach) Dengan Menggunakan Metode BSLT," *Fito Med. J. Pharm. Sci.*, vol. 14, no. 1, pp. 36–42, 2022, doi: https://doi.org/10.47650/fito.v14i1.493.

[92] C. Novi, R. Lestari, and R. Puspitasari, "Uji Sitotoksik Ekstrak Daun Walang (Etlingera walang (Blume) R.M.Sm) Dengan Metode Brine Shrimp Lethality Test (BSLT)," *J. Chem. Sci. Educ.*, vol. 01, no. 01, pp. 21–28, 2024, doi: 10.31602/xxxxxx.

[93] A. C. M. Tanan, F. Budiarso, W. Bodhi, Fatimawali, B. J. Kepel, and A. Manampiring, "Uji Aktivitas Sitotoksik Ekstrak Etanol Buah Sirih ( Piper betle L .) dengan Metode Brine Shrimp Lethality Test ( BSLT )," *eBiomedik*, vol. 10, no. 1, pp. 14–19, 2022, doi: https://doi.org/10.35790/ebm.v10.i1.37659.

[94] Nofita, A. M. Ulfa, and M. Delima, "Uji Toksisitas Ekstrak Etanol Daun Jambu Biji Australia(Psidium Guajava L) Dengan Metode BSLT (Brine

Shrimp Lethality Test)," *J. Farm. Lampung*, vol. 9, no. 1, pp. 10–17, 2020, doi: 10.37090/jfl.v9i1.326.

[95] H. Kurniawan and M. Ropiqa, "Uji Toksisitas Ekstrak Etanol Daun Ekor Kucing ( Acalypha hispida Burm . f .) Dengan Metode Brine Shrimp Lethality Test ( BSLT )," *J. Syifa Sci. Clin. Res.*, vol. 3, no. September, pp. 52–62, 2021.

[96] S. Alvionica, S. Hendrawan, and F. Ferdinal, "Penapisan Fitokimia , Fitur Antioksidan , dan Uji Toksisitas pada Ekstrak Metanol Kubis Ungu ( Brassica oleracea var . capitata L .)," *Boscientist J. Ilm. Biol.*, vol. 13, no. 3, pp. 2390–2404, 2025, doi: 10.33394/bioscientist.v13i3.16405.

[97] H. Yuliani and M. I. Rasyid, "Efek Perbedaan Pelarut Terhadap Uji Toksisitas Ekstrak Pineung Nyen Teusale," *J. Fitofarmaka Indones.*, vol. 6, no. 2, pp. 347–352, 2019.

[98] M. A. Fardiaz, K. N. Az-zahro, I. Dzulqaidah, D. A. Savitri, I. S. Pratama, and L. H. Hidayat, "Acute Toxicity Test of The Jamu Turmeric Tamarind on Artemia Salina Leach Larvae," *J. Biol. Trop. Orig.*, vol. 23, no. 3, pp. 263–269, 2023, doi: http://dx.doi.org/10.29303/jbt.v23i3.4900.

[99] Yamia, S. Ari, M. Arba, and G. A. M. Candrayanti, "Uji Toksisitas Akut dan Penetapan Kadar Fenolik dan Flavonoid Ekstrak dan Fraksi Kulit Batang Kelor ( Moringa oleifera ) dengan Menggunakan Metode Brine Shrimp Lethaly Test ( BSLT )," *Pharmauho J. Farm. Sains, dan Kesehat.*, vol. 6, no. 2, pp. 89–94, 2020, doi: 10.33772/pharmauho.v6i2.12759.

[100] N. M. Haifa, I. Nabilla, V. Rahmatika, R. Hidayatullah, and Harmoendi, "Identifikasi Variabel Penelitian , Jenis Sumber Data dalam Penelitian Pendidikan Pendidikan," *Din. Pembelajaran J. Pendidik. dan Bhs.*, vol. 2, no. 2, pp. 256–270, 2025, doi: : https://doi.org/10.62383/dilan.v2i2.1563.

[101] Mardhiyah, N. A. Dinilhaq, Y. Amelia, A. Arini, R. Hidayatullah, and Harmonedi, "Populasi dan Sampel dalam Penelitian Pendidikan : Memahami Perbedaan , Implikasi , dan Strategi Pemilihan yang Tepat," *Katalis Pendidik. J. Ilmu Pendidik. dan Mat.*, vol. 2, no. 2, pp. 208–218, 2025, doi: https://doi.org/10.62383/katalis.v2i2.1670.

[102] I. G. M. Suradnyana, I. M. J. Widiarta, and N. N. Y. Mendra, "Formulasi serta Evaluasi Aktivitas Antioksidan dan Tabir Surya in Vitro Krim Ekstrak Etanol Daun Sukun ( Artocarpus altilis )," *J. Integr. Obat Tradis.*, vol. 4, no. 2, pp. 76–84, 2025, doi: https://doi.org/10.36733/usadha.v4i2.12757.

[103] E. Widayanti, J. M. Qonita, R. Ikayanti, and N. Sabila, "Pengaruh Metode Pengeringan terhadap Kadar Flavonoid Total pada Daun Jinten ( Coleus amboinicus Lour )," *Indones. J. Pharm. Educ.*, vol. 3, no. 2, pp. 219–225, 2023, doi: 10.37311/ijpe.v3i2.19787.

[104] P. R. Pratiwi, W. Herdwiani, and T. Wijayanti, "Uji Aktivitas Hepatoprotektor Ekstrak Etanol dan Fraksi N-Heksana, Etil Asetat, dan Air Umbi Bawang Dayak ((Eleutherine palmifolia (L.) Merr.) pada Tikus Jantan Galur Wistar," *J. Penelit. Kesehat. Suara Forikes* -, vol. 14, no. 1, pp. 77–82, 2023, doi: http://dx.doi.org/10.33846/sf14116.

[105] F. Irawan and Ilham, "Identifikasi Masalah Budidaya Artemia di CV . Manunggal 23 , Anyer , Banten : Studi Kasus," *Bul. Jalanidhitah Sarva*

*Jivitam*, vol. 5, no. 1, pp. 23–36, 2023, doi: 10.15578/bjsj.v5i1.12032.
[106] F. Tianandari and Rosidah, "Uji Sitotoksik Ekstrak Etanol Buah Ketumbar (Coriandrumsativum Linn) Terhadap Artemia salina Leach Dengan Metode Brine Shrimp Lethality Test," *J. AcTion Aceh Nutr. Jurna*, vol. 2, no. 2, pp. 86–90, 2017.
[107] M. A. Fardiaz, K. N. Az-Zahro, I. Dzulqaidah, D. A. Savitri, I. S. Pratama, and L. H. Hidayat, "Acute Toxicity Test of The Jamu TurmericTamarind on Artemia Salina Leach Larvae," *J. Biol. Trop.*, vol. 23, no. 3, pp. 263–269, 2023, doi: 10.29303/jbt.v23i3.4900.
[108] A. M. A. Suryadi, M. S. Pakaya, M. Taupik, Z. Uno, M. R. Manno, and A. F. Kopman, "Uji Toksisitas Akut Ekstrak Etanol 70 % Daun Hulotua ( Commelina longifolia ) Secara In Vitro dengan Metode Brine Shrimp Lethality Test ( BSLT )," *J. Pharmacol. Nat. Prod.*, vol. 1, no. 3, pp. 126–134, 2024, doi: 10.70075/jpnp.v1i3.118.
[109] Y. Pratiwi, A. A. H. Azis, and Febiola, "Uji Toksisitas Ekstrak Etanol Daun Sirih Hijau (piper betle L. Folium) dari Kabupaten Wajo Terhadap Larva (Artemia Salina) dengan Metode BSLT," *J. Farm. Pelamonia*, vol. 04, no. 2, pp. 78–84, 2024, doi: 10.25130/sc.24.1.6.
[110] P. Banerjee, E. Kemmler, M. Dunkel, and R. Preissner, "ProTox 3 . 0 : a w ebserv er f or the prediction of toxicity of chemicals," *Nucleic Acids Res.*, vol. 52, no. 1, pp. 513–520, 2024, doi: 10.1093/nar/gkae303.
[111] H. Poernomo, M. Taha, and A. S. Dewi, "LD50 Acute Toxicity Test Of Green Grass Jelly (Cyclea barbata Miers) Leaf Extract Against Mice (Mus Musculus L.)," *nterdental J. Kedokt. Gigi*, vol. 19, no. 1, pp. 67–73, 2023, doi: 10.46862/interdental.v19i1.6544.
[112] G. Hadisoebroto, S. Effendi, Y. Al Azzahra, and L. F. Sari, "Analisis Molecular Docking Senyawa Aktif Tanaman Kumis Kucing ( Orthosiphon stamineus B .) terhadap Reseptor Carbonic Anhydrase II sebagai Kandidat Obat Antihipertensi," *J. Noncommunicable Dis.*, vol. 5, no. 1, pp. 29–52, 2021, doi: 10.5236/jond.v5i1.1349.
[113] E. Y. Kurniawati, N. Pramono, S. T. Hidayat, and E. Mahati, "In Silico Pharmacokinetic and Toxicity Analysis on Clitoria Ternatea Flower," *J. Farm. Indones.*, vol. 20, no. 2, pp. 124–135, 2023, doi: 10.31001/jfi.v20i1.2190.
[114] A. Anindyaguna, S. Mustofa, D. I. Anggraini, and R. Z. Oktarlina, "Drug-Induced Liver Injury Akibat Penyalahgunaan Parasetamol," *Medula*, vol. 12, no. 3, pp. 500–507, 2022.
[115] T. Ö. Şahin, Ö. Cemali, M. Özdemir, Ş. Ayten, and D. A. Ğ. Agündüz, "Flavonoids and phenolic compounds : a promising avenue for neurodegenerative disease therapy," *Turkish J. Biol.*, vol. 49, no. 5, pp. 635–659, 2025, doi: 10.55730/1300-0152.2767.
[116] I. Khoirunnisa and S. A. Sumiwi, "Review Artikel: Peran Flavonoid Pada Berbagai Aktivitas Farmakologi," *Farmaka*, vol. 17, no. 2, pp. 131–142, 2019.
[117] S. Amin and K. D. Maharani, "Eksplorasi Senyawa Bioaktif Tumbuhan Lokal Sebagai Antioksidan Neuroprotektif Untuk Terapi Alzheimer,"

*Indones. J. Sci.*, vol. 1, no. 6, pp. 1369–1375, 2025.
[118] K. Riastayanthi, "Dampak Positif Fitokimia Quercetin Terhadap Penyakit Kardiovaskular : Literature Review," *J. Mhs. Ilmu Kesehat.*, vol. 3, no. 2, pp. 209–219, 2025, doi: 10.59841/jumkes.v3i2.2576.
[119] F. F. Hastiti and D. R. Atmaka, "Potensi Fitokimia Naringenin Dalam Pengobatan Pada Pasien Kanker Payudara," *J. Pustaka Nusant. Multidisplin*, vol. 3, no. 3, pp. 1–5, 2025.
[120] S. Amin, A. Juliyana, D. Puspita, P. Hoerunisa, and R. F. Darusman, "Tinjauan Kimia Medisinal Terhadap Senyawa Nefrotoksik Dalam Makanan: Mekanisme Kerusakan Ginjal Dan Implikasinya Terhadap Kesehatan Masyarakat," *J. Ners Vol.*, vol. 9, no. 36, pp. 2851–2855, 2025.
[121] H. Ramdani, T. M. Fakih, and A. D. Rizkita, "Analisis Profil ADMET Senyawa Tanaman Ceremai ( Phyllanthus acidus ) secara In Silico," *Bandung Conf. Ser. Pharm.*, vol. 6, no. 1, pp. 9–16, 2026, doi: 10.29313/bcsp.v6i1s.23456.
[122] Z. A. Nabilla and M. Jannah, "Studi in Silico: Toksisitas Senyawa fenolik Pada Buah Kelapa (Cocos nucifera)," *J. Ilm. Bakti Farm.*, vol. 10, no. 2, pp. 85–91, 2025.
[123] A. Z. N. Fitria *et al.*, "Hubungan antara Kerusakan DNA dan Mekanisme Perbaikan Seluler : Tinjauan Literatur," *J. Ris. Ilmu Kesehat. Umum dan Farm.*, vol. 4, no. 2, pp. 13–27, 2026, doi: 10.57213/jrikuf.v4i2.972.
[124] M. F. Irwanto, "Peningkatan Kelarutan dan Kecepatan Disolusi Obat dengan Metode Dispersi Padat untuk Meningkatkan Bioavailabilitas Obat : Review Artikel," *J. Ris. Sains dan Kesehat. Indones.*, vol. 2, no. 1, pp. 11–20, 2025, doi: 10.69930/jrski.v2i1.275.
[125] I. Inayah, F. N. Aini, and G. Hadisoebroto, "Studi In Silico Senyawa dari Herba Sambiloto ( Andrographis paniculata ) terhadap Protein Dihydrofolate Reductase ( 4KM2 ) pada Mycobacterium tuberculosis," *Prodi Farm.*, vol. 12, no. 1, pp. 1–19, 2024.
[126] O. T. Mahardani and L. Yuanita, "Efek Metode Pengolahan dan Penyimpanan Terhadap Kadar Senyawa Fenolik dan Aktivitas Antioksidan," *UNESA J. Chem.*, vol. 10, no. 1, pp. 64–78, 2021.
[127] K. Apsari, A. Y. Chaerunisa, F. Farmasi, and U. Padjadjaran, "Review Jurnal: Upaya Peningkatan Kelarutan Obat," *Farmaka*, vol. 18, no. 2, pp. 56–68, 2020.
[128] A. S. Insanikamilia, A. Ramadhani, N. T. Azzahra, P. Kurnia, E. Dayanti, and W. N. Auli, "Studi In Silico Senyawa Erythroxylum laurifolium sebagai Inhibitor α -Glukosidase untuk Terapi Diabetes Tipe 2," *J. Farm. Indones.*, vol. 22, no. 02, pp. 84–92, 2025.
[129] I. W. Abdullah, A. Tyva, J. Atmajaningtyas, and P. R. Sari, "Studi Komparatif Molecular Docking Naringenin ( Aglikon ) dan Naringin ( Glikosida ) terhadap Enzim Enoyl-acyl carrier protein reductase ( InhA ) Mycobacterium tuberculosis," *Mantra Bakti*, vol. 2, no. 1, pp. 23–29, 2024, doi: 10.47575/mb.v1i2.869.
[130] A. S. Izzaturahmi *et al.*, "Studi In-Silico Tanaman Akar Manis (Glycyrrhiza glabra L.) terhadap Reseptor VEGFR-2 pada Kanker

Payudar," *Indones. J. Biol. Pharm.*, vol. 3, no. 3, pp. 137–153, 2023.
[131] Y. Peng, R. Qu, S. Xu, H. Bi, and D. Guo, "Regulatory mechanism and therapeutic potentials of naringin against inflammatory disorders," *Heliyon*, vol. 10, no. 3, pp. 1–17, 2024, doi: 10.1016/j.heliyon.2024.e24619.
[132] D. A. Ikhtira, F. Rohman, and S. R. Lestari, "Evaluasi Senyawa Bioaktif Nasturtium montanum Wall. Sebagai Kandidat Agen Antipiretik Terhadap Reseptor Prostagrlandin Syntase 2 (PTGS2) Secara In Silico," *J. Ilmu-Ilmu Hayati*, vol. 222, no. 3, pp. 323–334, 2023, doi: 10.14203/beritabiologi.v20i1.3991.
[133] D. Krihariyanti, R. Sasongkowati, and E. Haryanto, "Studi In Silico Sifat Farmakokinetik, Toksisitas dan Akktivitas Imunomodulator Brazilen Kayu Secang Terhadap Enzim 3-Chymotrypsin- Like Cystein Protease Coronavirus," *J. Indones. Med. Lab. Sci.*, vol. 1, no. 1, pp. 76–90, 2020.
[134] M. Angelina, G. Koban, S. R. Lestari, and F. K. Setiowati, "Analisis In Silico Naringenin dari Umbi Akar Batu ( Gerrardanthus macrorhizus Harv . ex Benth . & Hook . f . ) sebagai Antitusif terhadap Reseptor N - methyl - D - aspartate," *J. Ilm. Ilmu-Ilmu Hayati*, vol. 7, no. 3, pp. 172–182, 2022, doi: 10.24002/biota.v7i3.5912.
[135] Y. Yuan, F. Zheng, and C. Zhan, "Improved prediction of blood–brain barrier permeability through machine learning with combined use of molecular property- based descriptors and fingerprints Yaxia," *AAPS J.*, vol. 20, no. 3, pp. 1–19, 2020, doi: 10.1208/s12248-018-0215-8.Improved.
[136] A. Syaifulanwar, A. A. Ghifari, and M. Y. Hamidy, "Farmakogenomik Metabolisme Obat : Menelusuri Variasi Genetik dan Dampaknya terhadap Respon terhadap Obat," *UMI Med. J.*, vol. 10, no. 1, pp. 55–70, 2025, doi: 10.33096/umj.v10i1.371.
[137] A. Gayatri, P. Ascobat, and R. Setiabudy, "Implikasi Klinis Variasi Jumlah Copy Gen CYP2D6," *Generics J. Res. Pharm.*, vol. 450, no. 2, pp. 74–82, 2023.
[138] N. E. Sari, E. Yusuf, A. Sabila, D. Nugroho, R. Farmasita, and Nopratilova, "Potensi Interaksi Obat-Obat yang Dimediasi Sitokrom P450 pada Pasien Geriatri di Rawat Inap Rumah Sakit X," *Heal. Inf. J. Penelit.*, vol. 15, no. 2, pp. 13682–13687, 2023.
[139] A. Tilaqza and M. Herbani, "Studi In silico Potensi Anti Hipertensi dan Prediksi Profil Farmakokinetika Daun Jati Belanda ( Guazuma ulmifolia . Lamk )," *J. Kesehat. Islam*, vol. 10, no. 2, pp. 45–52, 2021, doi: 10.33474/jki.v1 0i2.13821 History.
[140] V. V. Potu, D. F. Pendong, and Y. Semuel, "Brine Shrimp Lethality Test ( BSLT ) Ekstrak Sarang Lebah Madu ( Apis dorsata Binghami )," *J. Pendidik. Biol. Undiksha p-ISSN*, vol. 8, no. 3, pp. 138–144, 2021.
[141] R. Z. Rahadyana, K. S. Artini, and T. S. Wardani, "Uji Aktivitas Antioksidan Ekstrak Biji Bunga Matahari (Helianthus Annus L) Dengan Menggunakan Metode DPPH (1,1-Diphenyl-2-Picryl Hydrazil)," *J. Kesehat. Tambusai*, vol. 5, no. September, pp. 8049–8056, 2024.
[142] M. F. Saerang, H. J. Edy, and J. P. Siampa, "Formulasi Sediaan Krim Dengan Ekstrak Etanol Daun Gedi Hijau (Abelmoschus manihot L.)

Terhadap Propionibacterium acnes," *Pharmacon*, vol. 12, no. 3, pp. 350–357, 2023.

[143] P. P. B. Chandra, S. L. K. Falestin, and Musdhalifah, "Evaluasi Sediaan Gel Ekstrak Etanol 96% Daun Jambu Biji (Psidium guajava L.) Dengan Carbopol Ultrez 20 Sebagai Gelling Agent," *J. Farmamedika*, vol. 10, no. 1, pp. 86–97, 2025.

[144] N. R. D. Cahya, W. S. Abdulkadir, and H. Hasan, "Uji Toksisitas Ekstrak Etanol Kulit Terong Ungu ( Solanum melongena L .) Menggunakan Metode Brine Shrimp Lethality Test ( BSLT )," *J. Syifa Sci. Clin. Res.*, vol. 4, no. 1, pp. 202–210, 2022, doi: 10.37311/jsscr.v4i1.1363.

[145] Zulfiah *et al.*, "Uji Toksisitas Ekstrak Rimpang Temu Hitam (Curcuma aeruginosa Roxb.) Terhadap Larva Udang (Artemia salina Leach) Dengan Metode Brine Shrimp Lethality Test (BSLT)," *J. Farm. Sandi Karsa ( JFS )*, vol. VI, no. 1, pp. 44–49, 2020, doi: 10.36060/jfs.v6i1.67.

[146] Haryanto *et al.*, "Uji Toksisitas Ekstrak Etanol Batang Prasman (Eupatorium Triplinerve Vahl) Menggunakan Metode Brine Shrimpt Lethality Test (BSLT)," *Junral Ilmu Kesehat.*, vol. 23, no. 1, pp. 1–15, 2026.

[147] Eprariana, F. Maulidia, S. N. Adidah, C. N. Yoshi, and D. Puspita, "Perbedaan Teknik Ekstraksi dan Pengaruhnya terhadap Aktivitas Biologis serta Hasil Senyawa Fitokimia pada Bahan Alam," *J. Pendidikan,Kimia, Fis. dan Biol.*, vol. 1, no. September, pp. 23–29, 2025, doi: 10.61132/jupenkifb.v1i5.633.

[148] P. T. T. Hien, L. T. T. Cham, and V. T. T. Hang, "Genetic diversity of Guava varieties ( Psidium guajava L .) based on morphology and ISSR molecular markers," *Biodiversitas*, vol. 25, no. 3, pp. 1037–1045, 2024, doi: 10.13057/biodiv/d250317.

[149] Firmansyah and A. Sandistira, "Uji Toksisitas Akut Ekstrak Daun Talas (Colocasia esculenta L.) Terhadap Larva Udang (Artemia salina Leach) Dengan Metode Brine Shrimp Lethality Test," *J. Kesehat. Yamasi Makassar*, vol. 4, no. 1, pp. 79–86, 2020.

[150] J. L. Dolnar and Z. G.V, "Assessment of Acute Oral Toxicity , Shrimp Lethality Assay , and Histopathological Effects of Crude Extract of Chiropsoides buitendijki in Female Sprague Dawley Rats," *Saudi J. Med. Pharm. Sci.*, vol. 11, no. 2, pp. 109–116, 2025, doi: 10.36348/sjmps.2025.v11i02.006.