DAFTAR PUSTAKA

[1] M. R. Adiyasa and Meiyanti, “Pemanfaatan obat tradisional di Indonesia: distribusi dan faktor demografis yang berpengaruh,” *Jurnal Biomedika dan Kesehatan*, vol. 4, no. 3, 2021, doi: 10.18051/JBiomedKes.2021.

[2] R. F. Rosmi, “Etnobotani tanaman obat di kawasan dataran tinggi Pegunungan Serayu Desa Pandansari, Jawa Tengah,” *Pharmacy Peradaban Journal*, vol. 2, no. 2, 2022.

[3] S. Mangunsong *et al.*, “Pemanfaatan Kebun Tanaman Obat untuk Mencegah Penyakit Tidak Menular,” *Jurnal Pengabdian Kepada Masyarakat (ABDIKEMAS)*, vol. 6, no. 1, pp. 35–39, 2024, doi: 10.36086/j.abdikemas.v6i1.2236.

[4] E. Tuhumuri *et al.*, “Penguatan Pengetahuan Masyarakat Desa Allang Asaude, Kabupaten Seram Bagian Barat tentang Tumbuhan Berkhasiat Obat,” *BAKTI: Jurnal Pengabdian Kepada Masyarakat*, vol. 5, no. 1, p. 2025, 2025, doi: 10.51135/baktivol5iss1pp01-09.

[5] I. K. D. Prayoga, D. R. A. P. Sari, and N. W. R. K. Dewi, “Uji Toksisitas Ekstrak Etanol 96 % Daun Cincau Hijau (Cyclea barbata Miers) terhadap Artemia salina Leach. dengan Metode Brine Shrimp Lethality Test (BSLT),” *Jurnal Pharmactive*, vol. 3, no. 1, p. 815, Apr. 2024, [Online]. Available: https://s.id/jurnalpharmactive

[6] M. Silalahi, “Essential Oil pada Cymbopogon citratus (DC.) Stapf Dan Bioaktivitasnya,” *Titian Ilmu: Jurnal Ilmiah Multi Sciences*, vol. 12, no. 1, pp. 7–13, 2020, doi: 10.30599/jti.v12i1.538.

[7] Anita *et al.*, “Pemanfaatan Rebusan Serai dalam Pengobatan Tradisional untuk Nyeri Kaki di Posyandu Desa Manen Kaleka Tahun 2024,” *Calory Journal : Medical Laboratory Journal*, vol. 2, no. 3, pp. 95–103, Sep. 2024, doi: 10.57213/caloryjournal.v2i3.366.

[8] N. Z. D. Adiwiguna, H. T. Sibero, A. Y. Prabowo, and K. N. Berawi, “Kandungan Bahan Aktif Tumbuhan Serai (Cymbopogon citratus) dan Pemanfaatannya dalam Bidang Kesehatan,” *Essentia: Journal of Medical Practice and Research*, vol. 1, pp. 29–39, 2025.

[9] R. Novita, S. P. M. E. Purwani, and I. G. A. M. R. Jayantiari, “Analisis Hukum Peredaran Obat Tradisional: Menjaga Keamanan dan Keberlanjutan Dalam Masyarakat,” *Jurnal Interpretasi Hukum*, vol. 4, no. 3, p. 5047, 2023, doi: 10.55637/juinhum.4.3.8305.595-607.

[10] H. Kurniawan and M. Ropiqa, “Uji Toksisitas Ekstrak Etanol Daun Ekor Kucing (Acalypha hispida Burm.f.) Dengan Metode Brine Shrimp Lethality Test (BSLT),” *Journal Syifa Sciences and Clinical Research*, vol. 3, no. 2,

pp. 52–62, 2021, [Online]. Available: http://ejurnal.ung.ac.id/index.php/jsscr,E-

[11] E. Puspitasari, Rozirwan, and M. Hendri, "Uji Toksisitas dengan Menggunakan Metode Brine Shrimp Lethality Test (Bslt) Pada Ekstrak Mangrove (Avicennia Marina, Rhizophora Mucronata, Sonneratia Alba dan Xylocarpus Granatum) yang Berasal dari Banyuasin, Sumatera Selatan," *Jurnal Biologi Tropis*, vol. 18, no. 1, 2018.

[12] 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)," *Indonesian Journal of Pharmaceutical Education*, vol. 1, no. 2, pp. 98–106, 2021, doi: 10.37311/ijpe.v1i2.11462.

[13] V. Handayani, S. Rahman, and A. N. A. Amaliah, "Uji Toksisitas Ekstrak Etanol Batang Kayu Wole Woe terhadap Larva Artemia salina Leach Menggunakan Metode Brine Shrimp Lethality Test (BSLT)," *As-Syifaa Jurnal Farmasi*, vol. 14, no. 2, pp. 131–138, 2022.

[14] 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)," *Journal Syifa Sciences and Clinical Research*, vol. 4, no. 1, 2022, doi: 10.37311/jsscr.v4i1.13630.

[15] A. N. I. Adriana, "Uji LC50 Ekstrak Batang Akar Kuning (Arcangelisia flava Merr) terhadap Larva Udang (Arthemia salina Leach) dengan Metode BSLT (Brine Shrimp Lethality Test)," *PAPS Jurnal*, vol. 2, no. 2, 2023.

[16] R. Febriani, E. Rohaeti, and W. T. Wahyuni, "Aktivitas Antibakteri dan Toksisitas Minyak Serai Dapur (Cymbopogon citratus) dengan Perlakuan Pemekatan pada Suhu Berbeda," *Analit: Analytical and Environmental Chemistry*, vol. 6, no. 2, pp. 168–179, 2021, doi: 10.23960/aec.v6.i2.2021.p168-179.

[17] E. Nidianti, W. S. Wulan, and R. Amalia, "Evaluasi Toksisitas Obat Herbal dengan Kombinasi Nanopartikel Bovine Serum Albumin dan Asam Folat sebagai Kandidat Pengobatan Kanker," *Jurnal Ilmiah Farmako Bahari*, vol. 12, no. 1, 2021, [Online]. Available: www.journal.uniga.ac.id

[18] P. Rajamani, C. Bagthasingh, V. Baskaran, V. Rani, R. Shalini, and E. P. David, "Brine Shrimp Lethality Assay for in vitro Toxicity Assessment of Eco-friendly Synthesized ZnO Nanoparticles," *Indian J. Anim. Res.*, Nov. 2025, doi: 10.18805/ijar.b-5692.

[19] M. Tapia-Salazar, V. R. Diaz-Sosa, and D. L. Cárdenas-Chávez, "Toxicological effect and enzymatic disorder of non-studied emerging contaminants in Artemia salina model," *Toxicol. Rep.*, vol. 9, pp. 210–218, 2022, doi: 10.1016/j.toxrep.2022.01.007.

[20] E. Wangsasaputra, S. Prihandini, C. N. Ginting, and L. Chiuman, "Prediksi Toksisitas In Silico Senyawa Bioaktif Daun Kemangi (Ocimum Santum L.)," *Damianus Journal of Medicine*, vol. 22, no. 2, 2023, [Online]. Available: https://pubchem.

[21] A. Wilapangga, U. Aziza, and K. Khotim, "Studi In Silico Potensi Farmakokinetik Tujuh Senyawa dari Tumbuhan Brotowali (Tinospora cordifolia) untuk Prediksi Toksisitas," *Jurnal Kesehatan Dan Science*, vol. 19, no. 2, 2023.

[22] E. P. Daryanti, F. B. Alfiah, and D. A. Melatiara, "Perbandingan Skrining Fitokimia Esktrak Etanol Rimpang Bangle (Zingiber purpureum) Metode Maserasi dan Refluks," *Borneo Journal of Pharmascientech*, vol. 7, no. 2, pp. 52–58, 2023, doi: 10.51817/bjp.v7i1.479.

[23] V. Sari, A. Gafur, and D. R. Sari, "Efektivitas Minyak Serai Sebagai Bioinsektisida Nyamuk," *JOURNAL OF ENGINEERING SCIENCE AND TECHNOLOGY MANAGEMENT*, vol. 3, no. 1, 2023.

[24] Y. Evama, Ishak, and N. Sylvia, "Ekstraksi Minyak Serai Dapur (Cymbopogon Citratus) menggunakan Metode Maserasi," *Jurnal Teknologi Kimia Unimal*, vol. 10, no. 2, pp. 57–70, 2021.

[25] M. M. Gutiérrez-Pacheco *et al.*, "Mechanisms and Applications of Citral's Antimicrobial Properties in Food Preservation and Pharmaceuticals Formulations," *Antibiotics*, vol. 12, no. 11, 2023, doi: 10.3390/antibiotics12111608.

[26] R. Anindita, A. A. Ramadhena, M. Perwitasari, D. D. Nathalia, M. U. Beandrade, and I. K. Putri, "Bioprospeksi Ekstrak Etanol Batang Serai Dapur Cymbopogon citratus (DC.) Stapf. sebagai Antibakteri Staphylococcus aureus ATCC : 25923," *Bioscientist : Jurnal Ilmiah Biologi*, vol. 11, no. 1, pp. 130–144, 2023, doi: 10.33394/bioscientist.v11i1.7072.

[27] S. B. Triyanti *et al.*, "Pengaruh Metode Ekstraksi Maserasi, Sonikasi, dan Sokletasi Terhadap Nilai Rendemen Sampel Kulit Buah Naga (Hylocereus polyrhizus)," *Jurnal Sains dan Edukasi Sains*, vol. 8, no. 1, pp. 71–78, Feb. 2025, doi: 10.24246/juses.v8i1p71-78.

[28] J. F. N. Arifin *et al.*, "Tinjauan Literatur: Efektivitas Maserasi sebagai Metode Ekstraksi Fitokimia," *Obat: Jurnal Riset Ilmu Farmasi dan Kesehatan*, vol. 3, no. 6, 2025, doi: 10.61132/obat.v3i6.19.

[29] I. Pramushinta, N. Ambarwati, and G. S. Jamlean, "Perbandingan Uji Karakteristik Ekstrak Pelarut Etanol 70% dan Etanol 96% Pada Perendaman Ekstrak Bunga Pepaya (Carica Papaya L.)," *JURNAL KESEHATAN TAMBUSAI*, vol. 6, no. 3, 2025.

[30] D. Y. Alifah and M. Siradjuddin, "Pengaruh Pemberian Ekstrak Etanol Serai Dapur (Cymbopogon Citratus) Terhadap Kadar Asam Urat Pada Tikus Putih

(Rattus Norvegicus) Jantan Galur Wistar," *INHEALTH: INDONESIAN HEALTH JOURNAL*, vol. 3, no. 2, 2024, doi: 10.56314/inhealth.v3i2.

[31] F. Iskandar, M. D. R. Ginting, Iriany, and O. Bani, "Ekstraksi Minyak Atsiri Bunga Melati Dengan Menggunakan Pelarut Isopropil Eter: Pengaruh Waktu, Temperatur, Dan Rasio Massa Bunga Melati Dengan Volume Pelarut," *Jurnal Teknik Kimia USU*, vol. 8, no. 1, 2019.

[32] Nurhalena, M. Adijaya, and B. Kurniadi, "Uji Toksisitas dan Organoleptik dari Limbah Cair Kelapa Sawit pada Benih Ikan Nila (Oreochromis niloticus)," *ACROPORA Jurnal Ilmu Kelautan dan Perikanan Papua*, vol. 7, 2024, [Online]. Available: http://ejournal.uncen.ac.id/index.php/ACR

[33] F. Novianty, H. Ginting, and Salbiah, "Uji Toksisitas Akut Ekstrak Etanol Daun Nipah (Nypa fruticans Wurmb.) Pada Organ Lambung Mus musculus," *Herbal Medicine Journal*, vol. 2, no. 1, 2019.

[34] Kusnadi, A. Fitriani, and Hernawati, "Uji Toksisitas Ekstrak Tumbuhan Ageratum Conyzoides L. terhadap Pertumbuhan dan Fisiologi Darah Mencit," *BIOSFER, J.Bio. & Pend.Bio.*, no. 1, 2017.

[35] E. Fabian *et al.*, "In vitro-to-in vivo extrapolation (IVIVE) by PBTK modeling for animal-free risk assessment approaches of potential endocrine-disrupting compounds," *Arch. Toxicol.*, vol. 93, no. 2, pp. 401–416, 2019, doi: 10.1007/s00204-018-2372-z.

[36] D. Lestari, R. Kartika, and E. Marliana, "UJI Brine Shrimp Lethality Test (BSLT) Umbi Bawang Tiwai (Eleutherine bulbosa (Mill.) Urb) dan Uji Toksisitas Akut Fraksi Aktif," *JURNAL RISET KEFARMASIAN INDONESIA*, vol. 1, no. 1, 2019.

[37] W. Aufia, S. Amal, and N. Marfu'ah, "Uji Toksisitas Sub Akut Infusa Dun Afrika (Vernonina amygdalina Del.) terhadap Histopatologi Hati Mencit (Mus musculus) Galur BALB/C," vol. 2, no. 1, 2018.

[38] E. S. Rumaseuw, Y. Iskandar, and E. Halimah, "Acute Toxicity Test of Black Garlic Ethanol Extract," *Indonesian Journal of Biological Pharmacy*, vol. 2, no. 1, 2022.

[39] E. N. Riana *et al.*, *Toksikologi Dasar*. Bandar Lampung: Yayasan Kita Menulis, 2023.

[40] Ihwan, Rahmatia, and K. Khaerati, "Teratogenik Ekstrak Etanol Uwi Banggai Ungu (Dioscorea alata L.) pada Mencit Betina (Mus musculus)," *Jurnal Ilmiah Ibnu Sina (JIIS)*, vol. 5, no. 2, pp. 309–318, 2020, doi: 10.36387/jiis.v5i2.511.

[41] O. Nursanti, "Prediksi Toksisitas dan Farmakokinetika untuk Mendapatkan Kandidat Obat Antidiabetes," *Journal of Pharmaceutical Care and Sciences*, vol. 3, no. 2, pp. 1–9, 2023.

[42] S. Damayanti, K. Khonsa, and T. Amelia, "Antiviral Activity and Toxicity Prediction of Compounds Contained in Figs (Ficus carica L.) by In Silico Method," *Indonesian Journal of Pharmaceutical Science and Technology Journal Homepage*, vol. 8, no. 1, pp. 21–33, 2021.

[43] K. T. Rim, "In silico prediction of toxicity and its applications for chemicals at work," *Toxicol. Environ. Health Sci.*, vol. 12, pp. 191–202, 2020, doi: 10.1007/s13530-020-00056-4.

[44] B. Chandrasekaran, S. N. Abed, O. Al-Attraqchi, K. Kuche, and R. K. Tekade, "Computer-Aided Prediction of Pharmacokinetic (ADMET) Properties," in *Dosage Form Design Parameters*, vol. 2, Elsevier, 2018, pp. 731–755. doi: 10.1016/B978-0-12-814421-3.00021-X.

[45] S. Prayogi, A. Rahman, T. Mahbubah, and N. D. P. Maisaan, "Computational Investigation of α-Glucosidase Inhibition by Phytochemical Compounds from Muntingia calabura L. Leaves: Insights into Potential Antidiabetic Agents," *MEDFARM: Jurnal Farmasi dan Kesehatan*, vol. 14, no. 2, 2025.

[46] C. S. Sulastra, K. Khaerati, and Ihwan, "Toksisitas Akut dan Lethal Dosis (LD50) Ekstrak Etanol Uwi Banggai Ungu (Dioscorea alata L.) pada Tikus Putih (Rattus norvegicus)," *Jurnal Ilmiah Medicamento*, vol. 6, no. 1, pp. 2356–4818, 2020.

[47] H. Poernomo, M. T. Ma'aruf, and A. S. Dewi, "LD50 Acute Toxicity Test Of Green Grass Jelly (Cyclea barbata Miers) Leaf Extract Against Mice (Mus musculus L.)," *Interdental Jurnal Kedokteran Gigi (IJKG)*, vol. 19, no. 1, pp. 67–73, 2023, doi: 10.46862/interdental.v19i1.6544.

[48] F. Naufa, R. Mutiah, and Y. Y. A. Indrawijaya, "Studi in Silico Potensi Senyawa Katekin Teh Hijau (Camellia sinensis) sebagai Antivirus SARS CoV-2 terhadap Spike Glycoprotein (6LZG) dan Main Protease (5R7Y)," *Journal of Food and Pharmaceutical Science*, vol. 10, no. 1, pp. 584–596, 2022, [Online]. Available: www.journal.ugm.ac.id/v3/JFPA

[49] E. Christidi and L. R. Brunham, "Regulated cell death pathways in doxorubicin-induced cardiotoxicity," *Journal of the Cell Death and Disease*, vol. 12, no. 4, 2021, doi: 10.1038/s41419-021-03614-x.

[50] M. B. Zerdan, S. Moussa, A. Atoui, and H. I. Assi, "Mechanisms of immunotoxicity: Stressors and evaluators," *Int. J. Mol. Sci.*, vol. 22, no. 15, 2021, doi: 10.3390/ijms22158242.

[51] M. D. Sweeney, Z. Zhao, A. Montagne, A. R. Nelson, and B. V Zlokovic, "Blood-Brain Barrier: From Physiology to Disease and Back," *Physiol Rev*, vol. 99, pp. 21–78, 2019, doi: 10.1152/physrev.00050.2017.-The.

[52] S. S. Abdullah *et al.*, "Analisis Sifat Fisikokimia, Farmakokinetik dan Toksikologi pada Pericarpium Pala (Myristica fragransa) secara Artificial

Intelligence," *CHEMISTRY PROGRESS*, vol. 14, no. 2, 2021, doi: 10.35799/cp.14.2.2021.37112.

[53] D. Krihariyani, R. Sasongkowati, and · Edy Haryanto, "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*, vol. 1, no. 1, 2020.

[54] M. Z. Maulida, D. Ummahati, and L. N. Muna, "Analisis Sifat Fisikokimia, Farmakokinetik, dan Toksisitas Senyawa Aktif Dalam Jahe Merah (Zingiber officinale var rubrum rhizoma)," *Journal of Pharmaceutical Care and Sciences*, vol. 4, no. 1, 2023, doi: 10.33859/jpcs.

[55] M. I. Rasyid, H. Yuliani, and L. Angraeni, "Toxicity Test LC50 of Pineung Nyen Teusalee Seeds (Areca catechu) Extract by Brine Shrimp Lethality Test (BSLT) Methode," *IOP Conf. Ser. Earth Environ. Sci.*, vol. 515, no. 1, 2020, doi: 10.1088/1755-1315/515/1/012052.

[56] N. A. Satya, D. L. C. Pradana, A. Kolib, and C. A. Aprilia, "Brine Shrimp Lethality Test on Aqueous Extract of Caesalpinia Sappan L," *Jurnal Farmasi Indonesia*, vol. 13, no. 1, 2021.

[57] V. Z. Sagala, A. S. Daulay, and A. F. Pulungan, "Toxicity test using the BSLT method and antibacterial test against Staphylococcus aureus and Escherichia coli of the extract and fractions of karamunting leaves (Rhodomyrtus tomentosa (Aiton) Hassk.)," *Journal of Pharmaceutical and Sciences*, vol. 8, no. 1, 2025, doi: 10.36490/journal-jps.com.

[58] M. Tapia-Salazar, V. R. Diaz-Sosa, and D. L. Cárdenas-Chávez, "Toxicological effect and enzymatic disorder of non-studied emerging contaminants in Artemia salina model," *Toxicol. Rep.*, vol. 9, pp. 210–218, 2022, doi: 10.1016/j.toxrep.2022.01.007.

[59] N. W. Khasanah, B. Karyadi, and A. Sundaryono, "Uji Fitokimia dan Toksisitas Ekstrak Umbi Hydnophytum sp. terhadap Artemia salina Leach," *PENDIPA Journal of Science Education*, vol. 4, no. 1, pp. 47–53, 2020, doi: 10.33369/pendipa.4.1.47-53.

[60] I. Varó *et al.*, "Time-dependent effects of polystyrene nanoparticles in brine shrimp Artemia franciscana at physiological, biochemical and molecular levels," *Science of the Total Environment*, vol. 675, pp. 570–580, 2019, doi: 10.1016/j.scitotenv.2019.04.157.

[61] B. Zhu, S. Zhu, J. Li, X. Hui, and G. X. Wang, "The developmental toxicity, bioaccumulation and distribution of oxidized single walled carbon nanotubes in: Artemia salina," *Toxicol. Res. (Camb).*, vol. 7, no. 5, pp. 897–906, 2018, doi: 10.1039/c8tx00084k.

[62] Hasriyani, R. P. Rahmawati, and M. P. Utanmi, "Uji Toksisitas Akut Ekstrak Etanol 70% Kulit Pisang Kepok Kuning (Musa paradisiaca L.) terhadap Larva Udang (Artemia salina Leach) Menggunakan Metode Brine Shrimp Lethality Test (BSLT)," *Nusantara Hasana Journal*, vol. 4, no. 9, 2025.

[63] N. A. Sida, H. Oleo, and N. ASida, "Evaluasi Toksisitas Akut Kulit Batang Manihot esculenta Crantz. : Pendekatan In Silico dan In Vitro," *Jurnal Farmasi Klinik dan Sains*, vol. 5, no. 1, pp. 51–58, 2025, [Online]. Available: https://pubchem.ncbi.nlm.nih.gov/

[64] M. F. Arib, M. S. Rahayu, R. A. Sidorj, and M. W. Afgani, "Experimental Research Dalam Penelitian Pendidikan," *INNOVATIVE: Journal Of Social Science Research*, vol. 4, 2024.

[65] P. C. Susanto, D. U. Arini, L. Yuntina, J. P. Soehaditama, and Nuraeni, "Konsep Penelitian Kuantitatif: Populasi, Sampel, dan Analisis Data (Sebuah Tinjauan Pustaka)," *JIM Jurnal Ilmu Multidisiplin*, vol. 3, no. 1, 2024, doi: 10.38035/jim.v3i1.

[66] P. G. Subhaktiyasa, "Menentukan Populasi dan Sampel: Pendekatan Metodologi Penelitian Kuantitatif dan Kualitatif," *Jurnal Ilmiah Profesi Pendidikan*, vol. 9, no. 4, Nov. 2024, doi: 10.29303/jipp.v9i4.2657.

[67] R. Orilda, B. Ibrahim, and Uju, "Pengeringan Rumput Laut Eucheuma cottonii Menggunakan Oven Dengan Suhu Yang Berbeda," *Jurnal Perikanan Terpadu*, no. 2, 2021.

[68] U. F. Serahli, T. H. Kartono, S. Prayogi, and N. Afni, "Formulasi Tablet Ekstrak Etanol Daun Salam (Syzygium polyanthum) dengan Variasi Avicel PH 101 dan Amprotab sebagai Bahan Pengering Alamat korespondensi: Prodi DIII Farmasi Politeknik Harapan Bersama Tegal," *Jurnal Ilmiah Farmasi*, vol. 1, no. 1, pp. 14–25, 2024.

[69] A. Siregar, Ridwanto, A. S. Daulay, and H. M. Nasution, "Toxicity test using the BSLT method and antibacterial test against Staphylococcus aureus and Escherichia coli of the extract and fractions of karamunting stem (Rhodomyrtus tomentosa (Aiton) Hassk.)," *Journal of Pharmaceutical and Sciences*, vol. 8, 2020, doi: 10.36490/journal-jps.com.

[70] 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)," *Jurnal Farmasi Sandi Karsa (JFS)*, vol. 6, no. 1, 2020.

[71] M. A. Fardiaz, I. S. Pratama, and S. R. Aini, "Acute Toxicity Test of Pineapple Peel Aqueous Extract (Ananas comosus L.) With BSLT Method," *Indonesian Journal of Pharmaceutical Science and Technology*, vol. 12, no. 1, pp. 93–99, 2025, doi: 10.24198/ijpst.v12i1.48332.

[72] H. Kurniawan and M. Ropiqa, “Uji Toksisitas Ekstrak Etanol Daun Ekor Kucing (Acalypha hispida Burm.f.) Dengan Metode Brine Shrimp Lethality Test (BSLT),” *Journal Syifa Sciences and Clinical Research*, vol. 3, no. 2, 2021.

[73] L. Fikayuniar, E. Abriyani, F. Irwandira, S. Bela, and S. Dewi, “Uji Toksisitas menggunakan Metode BSLT dan Skrining Fitokimia Ekstrak (Melastoma malabathricum L.),” *Jurnal Buana Farma: Jurnal Ilmiah Farmasi*, vol. 2, no. 2, 2022.

[74] N. N. S. Ningsih, Tutik, and P. Amalia, “Uji Toksisitas Ekstrak Etanol dan Etil Asetat Daun Asam Jawa (Tamarindus indica L.) dengan Metode BSLT (Brine Shrimp Lethality Test),” *Jurnal Ilmu Kedokteran dan Kesehatan*, vol. 10, no. 12, 2023.

[75] L. Fu *et al.*, “ADMETlab 3.0: an updated comprehensive online ADMET prediction platform enhanced with broader coverage, improved performance, API functionality and decision support,” *Nucleic Acids Res.*, vol. 52, 2024, doi: 10.1093/nar/gkae236.

[76] X. Du, M. Zhang, S. Wang, J. Li, J. Zhang, and D. Liu, “Ethnopharmacology, chemical composition and functions of Cymbopogon citratus,” *Chin. Herb. Med.*, vol. 16, no. 3, pp. 358–374, Jul. 2024, doi: 10.1016/j.chmed.2023.07.002.

[77] D. S. Ramadhan, R. Silvianti, M. Cahayo, and V. O. Azzahra, “Chemical Composition and Quality Parameters of Citronella (Cymbopogon nardus) Essential Oil Based on GC-MS and Physicochemical Analysis,” *Indonesian Journal of Chemical Science and Technology (IJCST)*, vol. 09, no. 1, pp. 150–157, 2026, [Online]. Available: https://jurnal.unimed.ac.id/2012/index.php/aromatika

[78] E. Lulekal *et al.*, “Phytochemical analysis and evaluation of skin irritation, acute and sub-acute toxicity of Cymbopogon citratus essential oil in mice and rabbits,” *Toxicol. Rep.*, vol. 6, pp. 1289–1294, Jan. 2019, doi: 10.1016/j.toxrep.2019.11.002.

[79] L. J. Sanches *et al.*, “Cytotoxicity of citral against melanoma cells: The involvement of oxidative stress generation and cell growth protein reduction,” *Tumor Biology*, vol. 39, no. 3, 2017, doi: 10.1177/1010428317695914.

[80] P. Banerjee, E. Kemmler, M. Dunkel, and R. Preissner, “ProTox 3.0: A webserver for the prediction of toxicity of chemicals,” *Nucleic Acids Res.*, vol. 52, no. W1, pp. W513–W520, Jul. 2024, doi: 10.1093/nar/gkae303.

[81] F. A. Muslikh *et al.*, “Prediksi Druglikeness Dan Potensi Aktivitas Biologis Senyawa Metabolit Sekunder Daun Asam Jawa (Tamarindus indica),” *Jurnal Sintetis*, vol. 6, no. 1, 2025.

[82] M. D. Sweeney, Z. Zhao, A. Montagne, A. R. Nelson, and B. V Zlokovic, "Blood-Brain Barrier: From Physiology to Disease and Back," *Physiol Rev*, vol. 99, pp. 21–78, 2019, doi: 10.1152/physrev.00050.2017.-The.

[83] A. Pramudiyawati, D. E. Putri, Nurfadilah, and A. Wilapangga, "Skrining Studi in Silico Potensi Farmakokinetika dan Toksisitas Senyawa 6,10,14-trimetil-2-pentadekanon dari Ekstrak Daun Ekaliptus," *Indonesian Journal of Pharmaceutical Education*, vol. 4, no. 1, pp. 39–46, 2024, doi: 10.37311/ijpe.v4i1.24493.

[84] A. D. P. Komarudin *et al.*, "Studi In Silico Senyawa Tanaman Nerium oleander terhadap STAT-3 pada Kanker Payudara," *Jurnal Farmasi Udayana*, vol. 10, no. 2, 2021, doi: 10.24843/jfu.2021.v10.i02.p07.

[85] Y. Yeni and R. A. Rachmania, "The Prediction of Pharmacokinetic Properties of Compounds in Hemigraphis alternata (Burm.F.) T. Ander Leaves Using pkCSM," *Indonesian Journal of Chemistry*, vol. 22, no. 4, pp. 1081–1089, 2022, doi: 10.22146/ijc.73117.

[86] N. S. Gunarti, Ruswanto, E. O. Angelica, and H. Hidayah, "Bioinformatics Studies of Flavonoid Derivatives Compound from Saga Rambat Leaves as an Antipyretic Candidate," *Jurnal Kimia Sains dan Aplikasi*, vol. 26, no. 12, pp. 466–476, 2023, doi: 10.14710/jksa.26.12.466-476.

[87] Amiliah, Nurhamidah, and D. Handayani, "Aktivitas Antibakteri Kulit Buah Jeruk Kalamansi (Citrofortunella Microcarpa) Terhadap Bakteri Staphylococcus aureus dan Escherichia coli," *Jurnal Pendidikan dan Ilmu Kimia*, vol. 5, no. 1, pp. 92–105, 2021.

[88] D. D. Nathalia *et al.*, *Dasar Farmakologi dan Klinis*. PT SADA KURNIA PUSTAKA, 2025.

[89] F. Lombardo, J. Bentzien, G. Berellini, and I. Muegge, "In Silico Models of Human PK Parameters. Prediction of Volume of Distribution Using an Extensive Data Set and a Reduced Number of Parameters," *J. Pharm. Sci.*, vol. 110, no. 1, pp. 500–509, Jan. 2021, doi: 10.1016/j.xphs.2020.08.023.

[90] S. Wardhani, S. Maulana, and J. Jamaluddin, "In Silico Study of Fatty Acid Compounds in Pure Eel Oil (Anguilla marmorata (Q.) Gaimard) as a Therapeutic Agent for Liver Cancer," *Jurnal Kimia Sains dan Aplikasi*, vol. 29, no. 5, pp. 314–327, 2026, doi: 10.14710/jksa.29.5.314-327.

[91] E. Y. Kurniawati, N. Pramono, S. T. Hidayat, and E. Mahati, "In Silico Pharmacokinetic and Toxicity Analysis on Clitoria Ternatea Flower," *Jurnal Farmasi Indonesia*, vol. 20, no. 2, pp. 124–135, 2023, doi: 10.31001/jfi.v20i1.2190.

[92] P. Zehetner, M. Höferl, and G. Buchbauer, "Essential oil components and cytochrome P450 enzymes: a review," Jul. 01, 2019, *John Wiley and Sons Ltd*. doi: 10.1002/ffj.3496.

[93] T. C. Beck, K. R. Beck, J. Morningstar, M. M. Benjamin, and R. A. Norris, “Descriptors of cytochrome inhibitors and useful machine learning based methods for the design of safer drugs,” May 01, 2021, *MDPI*. doi: 10.3390/ph14050472.

[94] N. B. Merta, A. P. Putra, and N. M. Raningsih, “Efektivitas Ekstrak Etanol Daun Sirsak (Annona muricata L.) Terhadap Penurunan Kadar Kolesterol Total Tikus Wistar Jantan (Rattus norvegicus),” *Jurnal Farmasi Kryonaut*, vol. 3, no. 1, 2024, doi: 10.59969/jfk.

[95] S. Unawahi, A. Widyasanti, and S. Rahimah, “Ekstraksi Antosianin Bunga Telang (Clitoria ternatea Linn) dengan Metode Ultrasonik Menggunakan Pelarut Aquades dan Asam Asetat,” *Jurnal Keteknikan Pertanian Tropis dan Biosistem*, vol. 10, no. 1, pp. 1–9, 2022, doi: 10.21776/ub.jkptb.2022.010.01.01.

[96] S. Egra *et al.*, “Aktivitas Antimikroba Ekstrak Bakau (Rhizophora mucronata) dalam Menghambat Pertumbuhan Ralstonia Solanacearum Penyebab Penyakit Layu,” *AGROVIGOR*, vol. 12, no. 1, 2019.

[97] Noorhayati, Supomo, and N. Fatimah, “Uji Toksisitas Ekstrak Baccaurea lanceolata terhadap Artemia salina Leach dengan Metode BSLT,” *JFL Jurnal Farmasi Lampung*, vol. 13, no. 1, 2024.

[98] G. C. Vidi, P. V. Darsono, and Rahmadani, “Toksisitas Ekstrak Daun Sungkai (Peronema canescens Jack) Terhadap Larva Artemia salina Leach dengan Metode Brine Shrimp Lethality Test (BSLT),” *Jurnal Surya Medika*, vol. 10, no. 2, pp. 129–136, 2024, doi: 10.33084/jsm.v10i2.7734.

[99] B. Zhu, S. Zhu, J. Li, X. Hui, and G. X. Wang, “The developmental toxicity, bioaccumulation and distribution of oxidized single walled carbon nanotubes in: Artemia salina,” *Toxicol. Res. (Camb).*, vol. 7, no. 5, pp. 897–906, 2018, doi: 10.1039/c8tx00084k.

[100] A. Rahmi, T. Afriani, and Aini, “Uji sitotoksik ekstrak dan fraksi daun sembung (Blumea balsamifera) dengan metode Brine Shrimp Lethality Test (BSLT),” *Jurnal Ilmiah Farmasi (Scientific Journal of Pharmacy)*, vol. 18, no. 1, pp. 26–33, 2022.

[101] K. A. Wojtunik-Kulesza, “Toxicity of Selected Monoterpenes and Essential Oils Rich in These Compounds,” *Molecules*, vol. 27, 2022, doi: 10.3390/molecules27051716.

[102] C. Lei and X. Sun, “Comparing lethal dose ratios using probit regression with arbitrary slopes,” *BMC Pharmacol. Toxicol.*, vol. 19, no. 1, 2018, doi: 10.1186/s40360-018-0250-1.

[103] D. Zhang, “A Coefficient of Determination for Generalized Linear Models,” *Am. Stat.*, vol. 71, no. 4, 2017.

[104] M. Al-Bena, N. S. Tadjudin, E. Yulianti, and F. Ferdinal, "Uji Fitokimia, Fenolik Total, Kapasitas Total Antioksidan dan Toksisitas Ekstrak Serai Dapur (Cymbopogon citratus)," *Jurnal Muara Sains, Teknologi, Kedokteran dan Ilmu Kesehatan*, vol. 9, no. 2, pp. 13–20, 2026, doi: 10.24912/v9vqdk17.

[105] S. M. M. Islam *et al.*, "Acute effects of chromium on hemato-biochemical parameters and morphology of erythrocytes in striped catfish Pangasianodon hypophthalmus," *Toxicol. Rep.*, vol. 7, pp. 664–670, 2020, doi: 10.1016/j.toxrep.2020.04.016.

[106] L. K. Caesar and N. B. Cech, "Synergy and antagonism in natural product extracts: When 1 + 1 does not equal 2," *Nat. Prod. Rep.*, vol. 36, no. 6, pp. 869–888, Jun. 2019, doi: 10.1039/c9np00011a.

[107] R. M. Sondakh, J. Posangi, and P. M. Wowor, "Uji Toksisitas Akut Ekstrak Spons Laut (Callyspongia aerizusa) terhadap Larva Artemia salina Leach dengan Metode Brine Shrimp Lethality Test," *Jurnal e-Biomedik (eBm)*, vol. 5, no. 2, 2017.