DAFTAR PUSTAKA

Agung, N. (2017). Buku Ajar: Teknologi Bahan Alam. In *Lambung Mangkurat University Press* (Issue January 2017).

Almulqu, A. A., & Emi, R. (2021). Jurnal Pendidikan Biologi. *Jurnal Pendidikan Biologi*, *12*(3), 146–157.

Boyd, C. E. (2005). Gaa-Boyd-Feb05. *Global Aquaculture Advocate*, *February*, 84–87.

BPOM. (2014). Peraturan Badan Pengawasan Obat Dan Makanan No 7 Tahun 2014 Tentang Pedoman Uji Toksisitas Nonklinis Secara In Vivo. *Badan Pengawas Obat Dan Makanan Republik Indonesia*, 1–165.

BPOM. (2022). Panduan Penyusunan Protokol Uji Praklinik Uji Toksisitas Akut. *Direktural Registrasi Obat Tradisional, Suplemen Kesehatan Dan Kosmetik Bpom*, 1–23.

Chakraborty, C., Sharma, A. R., Sharma, G., & Lee, S. S. (2016). Zebrafish: A Complete Animal Model To Enumerate The Nanoparticle Toxicity. *Journal Of Nanobiotechnology*, *14*(1), 1–13. Https://Doi.Org/10.1186/S12951-016-0217-6

Chirumbolo, S., Bjørklund, G., Lysiuk, R., Vella, A., Lenchyk, L., & Upyr, T. (2018). Targeting Cancer With Phytochemicals Via Their Fine Tuning Of The Cell Survival Signaling Pathways. *International Journal Of Molecular Sciences*, *19*(11). Https://Doi.Org/10.3390/Ijms19113568

Depkes. (2000). *Parameter Standar Umum Ekstrak Tumbuhan Obat*.

Depkes Ri. (2014). *Farmakope Indonesia Edisi V*.

Depkes Ri. (2017). *Farmakope Herbal Indonesia Edisi 2*. 561.

Diaz-Sosa, V. R., Tapia-Salazar, M., Wanner, J., & Cardenas-Chavez, D. L. (2020). Monitoring And Ecotoxicity Assessment Of Emerging Contaminants In Wastewater Discharge In The City Of Prague (Czech Republic). *Water (Switzerland)*, *12*(4). Https://Doi.Org/10.3390/W12041079

Easter, S. S., & Nicola, G. N. (1996). *1-S2.0-S0012160696903358-Main.Pdf*. *663*(0335), 646–663.

Engeszer, R. E., Patterson, L. B., Rao, A. A., & Parichy, D. M. (2007). Zebrafish In The Wild: A Review Of Natural History And New Notes From The Field. *Zebrafish*, *4*(1), 21–40. Https://Doi.Org/10.1089/Zeb.2006.9997

Fakri, F., Idrus, L. S., Iskandar, M. A., Wibowo, I., & Adnyana, I. K. (2020). Acute Toxicity Of Keladi Tikus (Typhonium Flagelliforme (Lodd.) Blume) Ethanol Extract On Zebrafish (Danio Rerio) Embryo In Vivo. *Indonesian Journal Of Pharmacy*, *31*(4), 297–304. Https://Doi.Org/10.22146/Ijp.1121

Fatimawali, Kepel, B., & Bodhi, W. (2020). Standarisasi Parameter Spesifik Dan Non-Spesifik Ekstrak Rimpang Lengkuas Merah (Alpinia Purpurata K. Schum) Sebagai Obat Antibakteri. *Ebiomedik*, *8*(1), 63–67. Https://Ejournal.Unsrat.Ac.Id/Index.Php/Ebiomedik

Fishman, M. C. (1999). Zebrafish Genetics: The Enigma Of Arrival. *Proceedings Of The National Academy Of Sciences Of The United States Of America*, *96*(19), 10554–10556. Https://Doi.Org/10.1073/Pnas.96.19.10554

Fitriana, D. S. (2019). Uji Aktivitas Antikanker Ekstrak Dan Isolat Tanin Rumput Bambu (Lophaterum Gracile B.) Yang Diembankan Pada Zeolit Nax Terhadap Sel Kanker Payudara T47d Dengan Metode Mtt. In *Jurnal Sains Dan Seni Its*

Greenwell, M., & Rahman, P. K. S. M. (2015). Medicinal Plants: Their Use In Anticancer Treatment. *International Journal Of Pharmaceutical Sciences And Research*, *6*(10), 4103–4112. Https://Doi.Org/10.13040/Ijpsr.0975-8232.6(10).4103-12

Halimu, R. B., S.Sulistijowati, R., & Mile, L. (2020). Identifikasi Kandungan Tanin Pada Sonneratia Alba. *Jurnal Ilmiah Perikanan Dan Kelautan*, *5*(4), 93–97.

Hariyanti, D., Prasetya, F., & Siregar, V. O. (2023). Identifikasi Metabolit Sekunder Minyak Atsiri Kulit Jeruk Manis Pontianak (Citrus Nobilis Lour.) Menggunakan Metode Ekstraksi Microwave Hydrodistillation. *Proceeding Of Mulawarman Pharmaceuticals Conferences*, *17*, 27–31. Https://Doi.Org/10.25026/Mpc.V17i1.686

Hasanah, N., & Novian, D. R. (2020). Analisis Ekstrak Etanol Buah Labu Kuning (Cucurbita Moschata D.). *Parapemikir : Jurnal Ilmiah Farmasi*, *9*(1), 54. Https://Doi.Org/10.30591/Pjif.V9i1.1758

Heru Agus Cahyanto. (2022). Standardisasi Simplisia Dan Ekstrak Etanol Jahe Merah (Zingiber Officinale Rosch. Var Rubrum) Dari Lahan Gambut Kubu Raya, Kalimantan Barat. *Jurnal Borneo Akcaya*, *7*(2), 49–55. Https://Doi.Org/10.51266/Borneoakcaya.V7i2.204

Hong, S. L., Lee, G. S., Syed Abdul Rahman, S. N., Ahmed Hamdi, O. A., Awang, K., Aznam Nugroho, N., & Abd Malek, S. N. (2014). Essential Oil Content Of The Rhizome Of Curcuma Purpurascens Bl. (Temu Tis) And Its Antiproliferative Effect On Selected Human Carcinoma Cell Lines. *Scientific*

World Journal, *2014*. Https://Doi.Org/10.1155/2014/397430

Indriyanti, N. (2020). Zebrafish (Danio Rerio) Sebagai Model Hewan Coba Pada Pengujian Aktivitas Obat. *Proceeding Of Mulawarman Pharmaceuticals Conferences*, *11*, 80–83. Https://Doi.Org/10.25026/Mpc.V11i1.398

Insani, R. H. (2019). *Kejayaan Rempah Maluku (Sebuah Tinjauan)*. Universitas Andalas.

Julianto, T. S. (2019). *Fitokimia Tinjauan Metabolit Sekunder Dan Skrining Fitokimia*.

Kaushik, S., Shyam, H., Agarwal, S., Sharma, R., Nag, T. C., Dwivedi, A. K., & Balapure, A. K. (2019). Genistein Potentiates Centchroman Induced Antineoplasticity In Breast Cancer Via Pi3k/Akt Deactivation And Ros Dependent Induction Of Apoptosis. *Life Sciences*, *239*, 117073. Https://Doi.Org/10.1016/J.Lfs.2019.117073

Khotimah, H., & Ali, M. M. (2020). Ikan Zebra (Danio Rerio) Sebagai Binatang Model Pada Penelitian Biomedis Dan Cara Pemeliharaannya. In *Sanus Medical Journal* (Vol. 1, Issue 1, Pp. 1–10).

Kopustinskiene, D. M., Jakstas, V., Savickas, A., & Bernatoniene, J. (2020). Flavonoids As Anticancer Agents. *Nutrients*, *12*(2), 1–25. Https://Doi.Org/10.3390/Nu12020457

Kurt, T. L. (2004). A Textbook Of Modern Toxicology, Third Edition Edited By E. Hodgson (North Carolina State University). Wiley-Interscience, John Wiley & Sons, Hoboken, Nj. 2004. Xxi + 557 Pp. 17.8 × 25.4 Cm. $89.95. Isbn 0-471-26508-X. *Journal Of Natural Products*, *67*(12), 2158–2159. Https://Doi.Org/10.1021/Np0307643

López-Olmeda, J. F., & Sánchez-Vázquez, F. J. (2011). Thermal Biology Of Zebrafish (Danio Rerio). *Journal Of Thermal Biology*, *36*(2), 91–104. Https://Doi.Org/10.1016/J.Jtherbio.2010.12.005

Lu, J. J., Bao, J. L., Chen, X. P., Huang, M., & Wang, Y. T. (2012). Alkaloids Isolated From Natural Herbs As The Anticancer Agents. *Evidence-Based Complementary And Alternative Medicine*, *2012*. Https://Doi.Org/10.1155/2012/485042

Mangirang, F., Maarisit, W., Mongi, J., Lengkey, Y., & Tulandi, S. (2019). Uji Toksisitas Ekstrak Daun Pare Momordica Charantia Linn Terhadap Larva Artemia Salina Leach Dengan Metode Brine Shrimp Lethality Test. *Biofarmasetikal Tropis*, *2*(1), 22–27. Https://Doi.Org/10.55724/Jbiofartrop.V2i1.35

Marihot Pasaribu,Sjarif Ismail, H. N. (2019). Toksisitas Akut Ekstrak Albertisia Papuana Becc. Pada Daphnia Magna Dan Danio Rerio. *Biota : Jurnal Ilmiah Ilmu-Ilmu Hayati*, *3*(September), 96–103. Https://Doi.Org/10.24002/Biota.V3i3.1898

Mcclure, M. M., Mcintyre, P. B., & Mccune, A. R. (2006). Notes On The Natural Diet And Habitat Of Eight Danionin Fishes, Including The Zebrafish Danio Rerio. *Journal Of Fish Biology*, *69*(2), 553–570. Https://Doi.Org/10.1111/J.1095-8649.2006.01125.X

Meiyanto, E., Handayani, Sri, S., & Susidarti. (2009). Synergistic Effect Of Areca Catecha L. Ethanolic Extract And Its Chloroform Fraction With Doxorubicin On Mcf7. *Jurnal Ilmu Kefarmasian Indonesia*, 13–18.

Meyer, B. N., Ferrigni, N. R., Putnam, J. E., Jacobsen, L. B., Nichols, D. E., & Mclaughlin, J. L. (1982). Brine Shrimp: A Convenient General Bioassay For Active Plant Constituents. *Planta Medica*, *45*(1), 31–34. Https://Doi.Org/10.1055/S-2007-971236

Muaja, A. D., Koleangan, H. S. J., & Runtuwene, M. R. J. (2013). Uji Toksisitas Dengan Metode Bslt Dan Analisis Kandungan Fitokimia Ekstrak Daun Soyogik (Saurauia Bracteosa Dc) Dengan Metode Soxhletasi. *Jurnal Mipa*, *2*(2), 115. Https://Doi.Org/10.35799/Jm.2.2.2013.3000

Nagel, R. (2002). Dart: The Embryo Test With The Zebrafish Danio Rerio--A General Model In Ecotoxicology And Toxicology. *Altex : Alternativen Zu Tierexperimenten*, *19 Suppl 1*, 38–48.

Nurhayati, A. P. D., Abdulgani, N., & Febrianto, R. (2006). Uji Toksiistas Ekstrak Eucheuma Alvarezii Terhadap Artemia Salina Leach Studi Pendahulan Potensi Antikanker. *Akta Kimindo*, *2*(1), 41–46.

Oecd. (2013). Oecd Guidelines For The Testing Of Chemicals Nr 236: Fish Embryo Acute Toxicity (Fet) Test. *Oecd Guidelines For The Testing Of Chemicals, Section 2, Oecd Publishing*, *July*, 1–22.

Oecd. (2018). Proposal For Updating Guideline 414: Prenatal Developmental Toxicity Study. *Guideline For Testing Of Chemicals*, *January*, 1–13.

Paramita, A., Wibowo, I., & Insanu, M. (2021). Skrining Toksisitas Akut Lima Rimpang Suku Zingiberaceae Menggunakan Embrio Ikan Zebra. *Acta Pharmaceutica Indonesia*, *46*(2), 1–9. Https://Doi.Org/10.5614/Api.V46i2.16093

Parichy, D. M., Elizondo, M. R., Mills, M. G., Gordon, T. N., & Engeszer, R. E.

(2009). Normal Table Of Postembryonic Zebrafish Development: Staging By Externally Visible Anatomy Of The Living Fish. *Developmental Dynamics*, *238*(12), 2975–3015. Https://Doi.Org/10.1002/Dvdy.22113

Park, S., Lim, W., Bazer, F. W., & Song, G. (2018). Naringenin Suppresses Growth Of Human Placental Choriocarcinoma Via Reactive Oxygen Species-Mediated P38 And Jnk Mapk Pathways. *Phytomedicine*, *50*, 238–246. Https://Doi.Org/10.1016/J.Phymed.2017.08.026

Perez-Vizcaino, F., & Fraga, C. G. (2018). Research Trends In Flavonoids And Health. *Archives Of Biochemistry And Biophysics*, *646*(March), 107–112. Https://Doi.Org/10.1016/J.Abb.2018.03.022

Permanasari, H., Ikhsanudin, A., & Mulyaningsih, S. R. I. (2022). *Formulasi Dan Aktivitas Antibakteri Sediaan Emulgel Ekstrak Etanol Rimpang Temu Kunci (Boesenbergia Pandurata) Terhadap Staphylococcus Aureus*. *1*(1), 46–58.

Pramiastuti, O., & Murti, F. K. (2022). Fitokimia Dan Aktivitas Antioksidan Ekstrak Temu Blenyeh (Curcuma Purpurascens Blumae). *Jurnal Ilmiah Kesehatan*, *15*(1), 12–22. Https://Doi.Org/10.48144/Jiks.V15i1.627

Pramiastuti, O., Wahyuono, S., Fakhrudin, N., & Astuti, P. (2023). Phytochemical And Pharmacological Activities Of Curcuma Purpurascens Blume, A Review. *Journal Of Tropical Biodiversity And Biotechnology*, *8*(1), 1–14. Https://Doi.Org/10.22146/Jtbb.75891

Purnama, P., Ramadani, R., & Puji Lestari, S.Si,M.Sc, R. (2023). Pengujian Toksisitas Lethal Concentration 50 (Lc50) Terhadap Udang Windu (Penaeus Monodon) Menggunakan Larutan Acuan Toksikan Kalium Klorida (Kcl). *Ecolab*, *17*(2), 85–93. Https://Doi.Org/10.59495/Jklh.2023.17.2.85-93

Puspa, O. E., Syahbanu, I., & Wibowo, M. A. (2017). *Uji Fitokimia Dan Toksisitas Minyak Atsiri Daun Pala Dari Pulau Lemukutan*. *6*(2), 1–6.

Rahayu, S. N. (2019). *Isolasi Minyak Atsiri Dari Temulawak (Curcuma Xanthorriza) Dan Identifikasi Bioaktif Menggunakan Gcms*. 26–32.

Rahmah, M. A. S. A. R. (2021). *Uji Perlakuan Irisan Daun Mimba (Azadirachta Indica) Terhadap Penyusutan Luka Ikan Zebra (Danio Rerio) (Kajian Eksperimen Biologi)* (Issue 21701061041).

Rajkumari, S., & Sanatombi, K. (2018). Nutritional Value, Phytochemical Composition, And Biological Activities Of Edible Curcuma Species: A Review. *International Journal Of Food Properties*, *20*(00), S2668–S2687. Https://Doi.Org/10.1080/10942912.2017.1387556

Rita, W. S. R., Suirta, I. W., & Sabikin, A. (2008). Isolasi Dan Identifikasi Senyawa Yang Berpotensi Sebagai Antitumor Pada Daging Buah Pare (Momordica Charantia L.). *Jurnal Kimia*, *Vol. 2 No.*, 1–6.

Rivai, H., Misfadhila, S., & Sari, L. K. (2019). Analisis Kualitatif Dan Kuantitatif Kandungan Kimia Dari Ekstrak Heksan, Aseton, Etanol Dan Air Dari Rimpang Kunyit (Curcuma Domestica Val). *Jurnal Farmasi*, *March*, 1–16.

Rouhollahi, E. (2016). *Rhizome Extract Using In Vitro And In Vivo Models Ni Ve R Si Ay A Ve R Si*.

Rouhollahi, E., Moghadamtousi, S. Z., Al-Henhena, N., Kunasegaran, T., Hasanpourghadi, M., Looi, C. Y., Abd Malek, S. N., Awang, K., Abdulla, M. A., & Mohamed, Z. (2015). The Chemopreventive Potential Of Curcuma Purpurascens Rhizome In Reducing Azoxymethane-Induced Aberrant Crypt Foci In Rats. *Drug Design, Development And Therapy*, *9*, 3911–3922. Https://Doi.Org/10.2147/Dddt.S84560

Rouhollahi, E., Zorofchian Moghadamtousi, S., Hamdi, O. A. A., Fadaeinasab, M., Hajrezaie, M., Awang, K., Looi, C. Y., Abdulla, M. A., & Mohamed, Z. (2014). Evaluation Of Acute Toxicity And Gastroprotective Activity Of Curcuma Purpurascens Bi. Rhizome Against Ethanol-Induced Gastric Mucosal Injury In Rats. *Bmc Complementary And Alternative Medicine*, *14*(1), 1–10. Https://Doi.Org/10.1186/1472-6882-14-378

Rukmini.Afifah, Utomo, & Laily. (2020). *Skrining Fitokimia Familia Piperaceae 1*. *7*(1), 28–32.

Rusli, Z., Sari, B. L., Wardatun, S., & Aristyo, W. (2020). Skrining Toksisitas Akut Beberapa Fraksi Buah Karonda (Carissa Carandas L.) Pada Embrio Zebrafish (Danio Rerio). *Fitofarmaka Jurnal Ilmiah Farmasi*, *10*(1), 42–53.

Saragih, D. E., & Arsita, E. V. (2019). The Phytochemical Content Of Zanthoxylum Acanthopodium And Its Potential As A Medicinal Plant In The Regions Of Toba Samosir And North Tapanuli, North Sumatra. *Prosiding Seminar Nasional Masyarakat Biodiversitas Indonesia*, *5*(1), 71–76. Https://Doi.Org/10.13057/Psnmbi/M050114

Shaikh, J. R., & Patil, M. (2020). Qualitative Tests For Preliminary Phytochemical Screening: An Overview. *International Journal Of Chemical Studies*, *8*(2), 603–608. Https://Doi.Org/10.22271/Chemi.2020.V8.I2i.8834

Sinaga, Ernawati, Suprihatin, Rastuti, & Rina, M. (2018). Kadar Flavonoid Total, Daya Antioksidan Dan Daya Hepatoprotektif Ekstrak Etanol Rimpang Temu Tis (Curcuma Purpurascens). *Prosiding Kongres Xx & Pertemuan Ilmiah Tahunan Ikatan Apoteker Indonesia 2018*, 13–19.

Spence, R., Fatema, M. K., Ellis, S., Ahmed, Z. F., & Smith, C. (2007). Diet, Growth And Recruitment Of Wild Zebrafish In Bangladesh. *Journal Of Fish Biology*, *71*(1), 304–309. Https://Doi.Org/10.1111/J.1095-8649.2007.01492.X

Strähle, U., Scholz, S., Geisler, R., Greiner, P., Hollert, H., Rastegar, S., Schumacher, A., Selderslaghs, I., Weiss, C., Witters, H., & Braunbeck, T. (2012). Zebrafish Embryos As An Alternative To Animal Experiments-A Commentary On The Definition Of The Onset Of Protected Life Stages In Animal Welfare Regulations. *Reproductive Toxicology*, *33*(2), 128–132. Https://Doi.Org/10.1016/J.Reprotox.2011.06.121

Sudirga, S. . (2012). Pemanfaatan Tumbuhan Sebagai Obat Tradisional Di Desa Trunyan Kecamatan Kintamani Kabupaten Bangli. *E Jurnal Bumi Lestari*, *4*(2), 7–18. Http://Ojs.Unud.Ac.Id/Index.Php/Blje/Article/View/2379

Sulistyarini, I., Sari, D. A., & Wicaksono, T. A. (2019). Skrining Fitokimia Senyawa Metabolit Sekunder Batang Buah Naga (Hylocereus Polyrhizus). *Jurnal Ilmiah Cendekia Eksakta*, 56–62.

Surya, A., & Luhurningtyas, F. P. (2021). Aktivitas Antioksidan Ekstrak Etanol 70% Dan 96% Buah Parijoto Asal Bandungan Dan Profil Kromatografinya. *Pharmaceutical And Biomedical Sciences Journal*, *3*(1), 39–44.

Susanty, S., & Bachmid, F. (2016). Perbandingan Metode Ekstraksi Maserasi Dan Refluks Terhadap Kadar Fenolik Dari Ekstrak Tongkol Jagung (Zea Mays L.). *Jurnal Konversi*, *5*(2), 87. Https://Doi.Org/10.24853/Konversi.5.2.87-92

Tiara, R., Dewanti, A., Andriana, D., & Yahya, A. (N.D.). *Nilai Lc 50 Dekokta Kumis Kucing*. *50*.

Walker, J. M. (2016). *Molecular Biology 1391 Protocols For In Vitro Cultures And Secondary Metabolite Analysis Of Aromatic And Medicinal Plants In Series Editor*.

Wati, V. S. (2020). *Uji Toksisitas Isolat Steroid Hasil Kltp Fraksi Etil Asetat Dan Petroleum Eter Hydrilla Verticillata*. *2507*(1), 1–9. Http://Journal.Um-Surabaya.Ac.Id/Index.Php/Jkm/Article/View/2203

Wcsp. (2019). *Curcuma Purpurascens*. Https://Doi.Org/Https://Dx.Doi.Org/10.2305/Iucn.Uk.2019-3.Rlts.T117309770a124281700.En

Widiyatni. (2010). *Isolasi, Penentuan Struktur Senyawa Uji Aktivitas Biologi Dari Ekstrak Etanol Tandan Tanaman Musa Paradisiaca*. Universitas Indonesia.

Wijaya, R. C. (2020). Lethal Concentration 50% Of Patchouli Oil (Pogostemon Cablin) Towards Zebrafish Embryo (Danio Rerio). *Herb-Medicine Journal*, *3*(2), 1. Https://Doi.Org/10.30595/Hmj.V3i2.6360

Wulan Kusumo, D., Kusuma Ningrum, E., & Hayu Adi Makayasa, C. (2022). Skrining Fitokimia Senyawa Metabolit Sekunder Pada Ekstrak Etanol Bunga Pepaya (Carica Papaya L.). *Journal Of Current Pharmaceutical Sciences*, *5*(2), 2598–2095.

Yang, B., Li, F. W., Liu, Y., Wang, Q., & Cheng, L. (2018). Acute Toxicity Screening Of Different Extractions, Components And Constituents Of Polygonum Multiflorum Thunb. On Zebrafish (Danio Rerio) Embryos In Vivo. *Biomedicine & Pharmacotherapy*, *99*, 205–2013. Https://Doi.Org/Https://Doi.Org/10.1016/J.Biopha.2018.01.033

Yuniarto, A., Sukandar, E. Y., Fidrianny, I., & Adnyana, I. K. (2017). Aplikasi Zebrafish (Danio Rerio) Pada Beberapa Model Penyakit Eksperimental. *Mpi (Media Pharmaceutica Indonesiana)*, *1*(3), 116–126. Https://Doi.Org/10.24123/Mpi.V1i3.215