DAFTAR PUSTAKA

Abdallah, A., Zhang, P., Zhong, Q., & Sun, Z. (2018). Application of Traditional Chinese Herbal Medicine By-products as Dietary Feed Supplements and Antibiotic Replacements in Animal Production. *Current Drug Metabolism*, *20*(1), 54–64. https://doi.org/10.2174/1389200219666180523102920

Abidin, Z. (2016). Menanamkan Konsep Multikulturalisme di Indonesia. *Jurnal Dinamika Global*, *1*(02), 123–140. https://doi.org/10.36859/jdg.v1i02.24

Adel Elnashar, A., Kamal, H. I., Magdy, M. A., Gamal, T., Hamid, L., Ragab, S. F. M., Khodier, S. A., Mohamed, A., Kamel, M. M., El-shahawy, A. A., & Yehia, D. A. Y. (2024). Review on Diclofenac Toxicities in Different Organs. *Ain Shams Journal of Forensic Medicine and Clinical Toxicology*, *42*(1), 10–24. https://doi.org/10.21608/ajfm.2024.333661

Adnan, Navia, Z. I., Silvia, M., Antika, M., Suwardi, A. B., Baihaqi, & Yakob, M. (2022). Diversity of herbs and spices plants and their importance in traditional medicine in the South Aceh District, Indonesia. *Biodiversitas*, *23*(7), 3836–3843. https://doi.org/10.13057/biodiv/d230761

Agbor, A. M., & Naidoo, S. (2016). A review of the role of African traditional medicine in the management of oral diseases. *African Journal of Traditional, Complementary and Alternative Medicines*, *13*(2), 133–142. https://doi.org/10.4314/ajtcam.v13i2.16

Agidew, M. G. (2022). Phytochemical analysis of some selected traditional medicinal plants in Ethiopia. *Bulletin of the National Research Centre*, *46*(1). https://doi.org/10.1186/s42269-022-00770-8

Aguero, S., Megy, S., Eremina, V. V., Kalashnikov, A. I., Krylova, S. G., Kulagina, D. A., Lopatina, K. A., Fournier, M., Povetyeva, T. N., Vorozhtsov, A. B., Sysolyatin, S. V., Zhdanov, V. V., & Terreux, R. (2021). Discovery of a Novel Non-Narcotic Analgesic Derived from the CL-20 Explosive: Synthesis, Pharmacology, and Target Identification of Thiowurtzine, a Potent Inhibitor of the Opioid Receptors and the Ion Channels. *ACS Omega*, *6*(23), 15400–15411. https://doi.org/10.1021/acsomega.1c01786

Alazadeh, M., Azadbakht, M., Niksolat, F., Asgarirad, H., Moosazadeh, M., Ahmadi, A., & Yousefi, S. S. (2020). Effect of sweet fennel seed extract capsule on knee pain in women with knee osteoarthritis. *Complementary Therapies in Clinical Practice*, *40*(October 2019), 101219. https://doi.org/10.1016/j.ctcp.2020.101219

Alfiyanti, Y. D., Ratnawati, D. E., & Anam, S. (2019). Klasifikasi Fungsi Senyawa Aktif Berdasarkan Data Simplified Molecular Input Line Entry System

(SMILES) Menggunakan Metode Modified K-Nearest Neighbour. *Jurnal Pengembangan Teknologi Informasi Dan Ilmu Komputer*, *3*(4), 3244–3251.

Alkawi, A., Rondonuwu, S. B., & Kandou, F. E. F. (2021). Inventarisasi Tumbuhan Obat Dan Pemanfaatannya Secara Tradisional Oleh Masyarakat Di Desa Amesiu Kabupaten Konawe, Sulawesi Tenggara. *Pharmacon*, *10*(2), 790. https://doi.org/10.35799/pha.10.2021.34026

Amanullah, A., Upadhyay, A., Dhiman, R., Singh, S., Kumar, A., Ahirwar, D. K., Gutti, R. K., & Mishra, A. (2022). Development and Challenges of Diclofenac-Based Novel Therapeutics: Targeting Cancer and Complex Diseases. *Cancers*, *14*(18). https://doi.org/10.3390/cancers14184385

Amin, M. N., Hussain, F., Islam, M. M., Kabir, A. K. L., & Islam, M. M. (2024). In vivo Anti-Inflammatory and Antinociceptive Activity Evaluation of Brassica rapa ssp. chinensis Ethanolic Extract with In vitro Thrombolytic and Anthelmintic Activity Test. *Biomedical and Pharmacology Journal*, *17*(1), 599–606. https://doi.org/10.13005/bpj/2886

Andriyono, R. I. (2019). Kaempferia galanga L. sebagai Anti-Inflamasi dan Analgetik. *Jurnal Kesehatan*, *10*(3), 495–502. https://doi.org/10.26630/jk.v10i3.1458

Ang, A. M. G., Sabesaje, R. D., Barbosa, G. B., Cruz, R. Y. del., Mendez, R. A., & Enot, M. M. (2022). Cyclooxygenase (COX) AND 15-Lipoxygenase (15-LOX) Inhibitory Activity and HPTLC Profile of Asplenium nidus, Diplazium esculentum, and Drynaria quercifolia in Bukidnon, Philippines. *Indonesian Journal of Pharmacy*, *33*(2), 215–224. https://doi.org/10.22146/ijp.3975

Arel, A., & Ningsih, W. (2022). Hubungan Tingkat Pendidikan Pengetahuan Penggunaan Analgetik Pada Masyarakat Dusun Bnyumeneng 2 Giriharjo Pnggang Gunungkidul Periode Januari 2022. *Forte Journal*, *02*(01), 67–73.

Asanga, E. E., Joseph, A., Umoh, E. A. A., Ekeleme, C. M., Okoroiwu, H. U., Edet, U. O., Umoafia, N. E., Eseyin, O. A., Nkang, A., Okokon, J. E., Essang, S., Chimzi, G., Okpo, D. N., Ephraim, P. B., & Otogwu, V. A. (2024). New Perspectives on the Therapeutic Potentials of Bioactive Compounds from Curcuma longa: Targeting COX-1 & 2, PDE-4B, and Antioxidant Enzymes to Counteract Oxidative Stress and Inflammation. *Natural Product Communications*, *19*(5), 1–21. https://doi.org/10.1177/1934578X241255508

Ashok, P. K., & Upadhyaya, K. (2013). Evaluation of Analgesic and Anti-inflammatory Activities of Aerial Parts of Artemisia vulgaris L. in Experimental Animal Models. *Journal of Biologically Active Products from Nature*, *3*(1), 101–105. https://doi.org/10.1080/22311866.2013.782761

Atrooz, O., Al-Nadaf, A., Uysal, H., Kutlu, H. M., & Sezer, C. V. (2023).

Biosynthesis of silver nanoparticles using Coriandrum sativum L. extract and evaluation of their antibacterial, anti-inflammatory and antinociceptive activities. *South African Journal of Botany*, *157*(June), 219–227. https://doi.org/10.1016/j.sajb.2023.04.001

Awang, M. A., Nik Mat Daud, N. N. N., Mohd Ismail, N. I., Abdullah, F. I., & Benjamin, M. A. Z. (2023). A Review of Dendrophthoe pentandra (Mistletoe): Phytomorphology, Extraction Techniques, Phytochemicals, and Biological Activities. *Processes*, *11*(8). https://doi.org/10.3390/pr11082348

Ayoub, S. S. (2021). Paracetamol (acetaminophen): A familiar drug with an unexplained mechanism of action. *Temperature*, *8*(4), 351–371. https://doi.org/10.1080/23328940.2021.1886392

Aziz, Y., Peranginangin, J., & Sunarni, T. (2019). Ethnomedicin studies and antimicrobial activity tests of plants used in the Tengger Tribal Community. *1st International Conference of Health, Science & Technology (ICOHETECH)*, 160–164.

Banik, B., Das, S., & Das, M. K. (2020). Medicinal Plants with Potent Anti-inflammatory and Anti-arthritic Properties found in Eastern Parts of the Himalaya: An Ethnomedicinal Review. *Pharmacognosy Reviews*, *14*(28), 121–137. https://doi.org/10.5530/phrev.2020.14.16

Beno, J., Silen, A. ., & Yanti, M. (2022). Tanaman Papaver somniferum L. Sebagai Penghasil Modern Morfin Dan Kodein. *Braz Dent J.*, *33*(1), 1–12.

Bhagawan, W. S., Aziz, Y. S., & Teguh Pamungkas, R. P. (2020). Pendekatan Etnofarmasi Tumbuhan Obat Imunomodulator Suku Tengger Desa Ngadas, Kabupaten Malang, Indonesia. *Journal of Islamic Medicine*, *4*(2), 98–105. https://doi.org/10.18860/jim.v4i2.10290

Bhagawan, W. S., Ekasari, W., & Agil, M. (2023). Ethnopharmacology of medicinal plants used by the Tenggerese community in Bromo Tengger Semeru National Park, Indonesia. *Biodiversitas*, *24*(10), 5464–5477. https://doi.org/10.13057/biodiv/d241028

Bhagawan, W. S., & Kusumawati, D. (2021). Ethnobotanical Medicinal Plant Study of Tengger tribe in Ranu Pani Village, Indonesia. *SSRN Electronic Journal*. https://doi.org/10.2139/ssrn.3865725

Bhagawan, W. S., Nurfatma, A., & Suproborini, A. (2023). Etnofarmasi Pada Pengobat Tradisional di Kabupaten Ngawi: Upaya Pelestarian Pengetahuan Jamu Cekok. *Journal of Islamic Pharmacy*, *8*(1), 7–13. https://doi.org/10.18860/jip.v8i1.17746

Bhagawan, W. S., & Suproborini, A. (2023). *Etnofarmakologi* (Issue 0).

Boemiya, H., Wahyuliyana, I., Mustiko, B., & Susila Adi Irawan, L. (2023). Technium Social Sciences. *Technium Social Sciences Journal*, *47*, 379–397.

Borgonetti, V., Governa, P., Biagi, M., Pellati, F., & Galeotti, N. (2020). Zingiber officinale Roscoe rhizome extract alleviates neuropathic pain by inhibiting neuroinflammation in mice. *Phytomedicine*, *78*(February 2020), 153307. https://doi.org/10.1016/j.phymed.2020.153307

BPS Kab. Malang. (2024). *Kecamatan Poncokusumo dalam angka 2024*. *16*, 7–8.

Bunga, C. D., Rianawati, L., Azizah, B. R., Yuliastuti, F., & Lutfiyati, H. (2025). *Studi Etnomedisin : Analisa Potensi Pemanfaatan Tumbuhan Obat Tradisional di Desa Tempurejo*. *11*(1), 91–109.

Cahyaningsih, E., & Suwarni, E. (2017). UJI EFEK ANALGESIK INFUSA DAUN KAYU PUTIH (Melaleuca trichostachya Lindl.) PADA MENCIT JANTAN (Mus musculus L.). *Jurnal Ilmiah Medicamento*, *3*(1), 7–11. https://doi.org/10.36733/medicamento.v3i1.1038

Cb Singh, Manglembi N, Swapana N, S. C., & Abstract. (2015). Ethnobotany, Phytochemistry and Pharmacology of Zingiber cassumunar Roxb. (Zingiberaceae). *Journal of Pharmacognosy and Phytochemistry*, *4*(1), 01–06. https://www.phytojournal.com/archives/2015.v4.i1.535/ethnobotany-phytochemistry-and-pharmacology-of-zingiber-cassumunar-roxb-zingiberaceae

Chadwick, A., Frazier, A., Khan, T. W., & Young, E. (2021). Understanding the psychological, physiological, and genetic factors affecting precision pain medicine: A narrative review. *Journal of Pain Research*, *14*, 3145–3161. https://doi.org/10.2147/JPR.S320863

Chan, J. S. W., Lim, X. Y., Japri, N., Ahmad, I. F., & Tan, T. Y. C. (2023). Zingiber zerumbet: A Scoping Review of its Medicinal Properties. *Planta Medica*, *90*(3), 204–218. https://doi.org/10.1055/a-2219-9801

Chandra, S. (2023). Documentation of the plants used in different Hindu rituals in Uttarakhand, India. *Asian Journal of Ethnobiology*, *5*(2), 20–34. https://doi.org/10.13057/asianjethnobiol/y050203

Chen, L., Deng, H., Cui, H., Fang, J., Zuo, Z., Deng, J., Li, Y., Wang, X., & Zhao, L. (2018). Oncotarget 7204 www.impactjournals.com/oncotarget Inflammatory responses and inflammation-associated diseases in organs. *Oncotarget*, *9*(6), 7204–7218. www.impactjournals.com/oncotarget/

Cherbal, A., Bouabdallah, M., Benhalla, M., Hireche, S., & Desdous, R. (2023). Phytochemical Screening, Phenolic Content, and Anti-Inflammatory Effect of Foeniculum vulgare Seed Extract. *Preventive Nutrition and Food Science*,

28(2), 141–148. https://doi.org/10.3746/pnf.2023.28.2.141

Chester, K., Zahiruddin, S., Ahmad, A., Khan, W., Paliwal, S., & Ahmad, S. (2017). Bioautography-based Identification of Antioxidant Metabolites of Solanum nigrum L. and Exploration Its Hepatoprotective Potential agChester, K. et al. (2017) 'Bioautography-based Identification of Antioxidant Metabolites of Solanum nigrum L. and Explorati. *Pharmacognosy Magazine*, *13 (Suppl*(62), 179–188. https://doi.org/10.4103/pm.pm

Cornara, L., La Rocca, A., Terrizzano, L., Dente, F., & Mariotti, M. G. (2014). Ethnobotanical and phytomedical knowledge in the North-Western Ligurian Alps. *Journal of Ethnopharmacology*, *155*(1), 463–484. https://doi.org/10.1016/j.jep.2014.05.046

Cui, J., Hu, W., Cai, Z., Liu, Y., Li, S., Tao, W., & Xiang, H. (2010). New medicinal properties of mangostins: Analgesic activity and pharmacological characterization of active ingredients from the fruit hull of Garcinia mangostana L. *Pharmacology Biochemistry and Behavior*, *95*(2), 166–172. https://doi.org/10.1016/j.pbb.2009.12.021

Daeli, D. Y. (2023). Studi Etnobotani Tanaman Obat Tradisional Pada Masyarakat Di Desa Orahili Kecamatan Sirombu Kabupaten Nias Barat. *TUNAS : Jurnal Pendidikan Biologi*, *4*(1), 1–16. https://doi.org/10.57094/tunas.v4i1.856

Davis, C. C., & Choisy, P. (2024). Medicinal plants meet modern biodiversity science. *Current Biology*, *34*(4), R158–R173. https://doi.org/10.1016/j.cub.2023.12.038

Depkes RI. (2013). *Ind f*.

Depkes RI. (2020). Farmakope Indonesia edisi IV. In *Departemen Kesehatan Republik Indonesia*.

Derso, Y. D., Kassaye, M., Fassil, A., Derebe, B., Nigatu, A., Ayene, F., Tamer, M., & Van Damme, P. (2024). Composition, medicinal values, and threats of plants used in indigenous medicine in Jawi District, Ethiopia: implications for conservation and sustainable use. *Scientific Reports*, *14*(1), 23638. https://doi.org/10.1038/s41598-024-71411-5

Devaraj, S., Esfahani, A. S., Ismail, S., Ramanathan, S., & Yam, M. F. (2010). Evaluation of the antinociceptive activity and acute oral toxicity of standardized ethanolic extract of the rhizome of curcuma xanthorrhiza roxb. *Molecules*, *15*(4), 2925–2934. https://doi.org/10.3390/molecules15042925

Dulay, R. M. R., Batangan, J. N., Kalaw, S. P., De Leon, A. M., Cabrera, E. C., Kimura, K., Eguchi, F., & Reyes, R. G. (2023). Records of wild mushrooms in the Philippines: A review. *Journal of Applied Biology and Biotechnology*,

11(2), 11–32. https://doi.org/10.7324/JABB.2023.110202

Elshafie, H. S., Camele, I., & Mohamed, A. A. (2023). A Comprehensive Review on the Biological, Agricultural and Pharmaceutical Properties of Secondary Metabolites Based-Plant Origin. *International Journal of Molecular Sciences*, *24*(4). https://doi.org/10.3390/ijms24043266

Elyyana, N., Putri Sukma Wibowo, S., Nurayuni, T., Rahmawati Utami, M., & Nurfadhila, L. (2023). Literature Review: Qualitative and Quantitative Identification Methods of Morphine in Urine Samples Literatur Review: Metode Analisis Identifikasi Kualitatif dan Kuantitatif Morfin Dalam Sampel Urine. *Journal of Pharmaceutical and Sciences*, *6*(2), 816–830.

Emelda, E., Nugraeni, R., & Damayanti, K. (2023). Review: Exploration of Indonesian Herbal Plants for Anti Inflammatory. *INPHARNMED Journal (Indonesian Pharmacy and Natural Medicine Journal)*, *6*(2), 58. https://doi.org/10.21927/inpharnmed.v6i2.1938

Eshete, M. A., & Molla, E. L. (2021). Cultural significance of medicinal plants in healing human ailments among Guji semi-pastoralist people, Suro Barguda District, Ethiopia. *Journal of Ethnobiology and Ethnomedicine*, *17*(1), 1–18. https://doi.org/10.1186/s13002-021-00487-4

Esho, B. A., Samuel, B., Akinwunmi, K. F., & Oluyemi, W. M. (2021). Membrane Stabilization and Inhibition of Protein Denaturation as Mechanisms of the Anti-Inflammatory Activity of some Plant Species. *Trends in Pharmaceutical Sciences*, *7*(4), 269–278. https://doi.org/10.30476/TIPS.2021.93160.1118

Freo, U., Ruocco, C., Valerio, A., Scagnol, I., & Nisoli, E. (2021). Paracetamol: A review of guideline recommendations. *Journal of Clinical Medicine*, *10*(15), 1–22. https://doi.org/10.3390/jcm10153420

Garakia, C. S. H., Sangi, M., & Koleangan, H. S. J. (2020). Uji Aktivitas Antiinflamasi Ekstrak Etanol Tanaman Patah Tulang (Euphorbia tirucalli L.). *Jurnal MIPA*, *9*(2), 60. https://doi.org/10.35799/jmuo.9.2.2020.28709

Ghosh, S., Sarkar, T., Pati, S., Kari, Z. A., Edinur, H. A., & Chakraborty, R. (2022). Novel Bioactive Compounds From Marine Sources as a Tool for Functional Food Development. *Frontiers in Marine Science*, *9*(February), 1–28. https://doi.org/10.3389/fmars.2022.832957

Hanyfah, S., Fernandes, G. R., & Budiarso, I. (2022). Penerapan Metode Kualitatif Deskriptif Untuk Aplikasi Pengolahan Data Pelanggan Pada Car Wash. *Semnas Ristek (Seminar Nasional Riset Dan Inovasi Teknologi)*, *6*(1), 339–344. https://doi.org/10.30998/semnasristek.v6i1.5697

Hiltbrunner, E., Arnaiz, J., & Körner, C. (2021). Biomass allocation and seasonal

non-structural carbohydrate dynamics do not explain the success of tall forbs in short alpine grassland. *Oecologia*, *197*(4), 1063–1077. https://doi.org/10.1007/s00442-021-04950-7

Hilwan, I., & Sabila, A. (2024). *Etnobotani Masyarakat Tengger: Studi Kasus Desa Ngadas, Wilayah Enclave Nasional Bromo Tengger Semeru Ethnobotany of The Tengger Community : A Case Study of Ngadas Village , Enclave Area of Bromo Tengger Semeru National Park*. *15*(02), 131–137.

Hoffman, B., & Gallaher, T. (2007). Importance indices in ethnobotany. *Ethnobotany Research and Applications*, *5*, 201–218. https://doi.org/10.17348/era.5.0.201-218

Hosseini, S. H., Bibak, H., Ghara, A. R., Sahebkar, A., & Shakeri, A. (2021). Ethnobotany of the medicinal plants used by the ethnic communities of Kerman province, Southeast Iran. *Journal of Ethnobiology and Ethnomedicine*, *17*(1). https://doi.org/10.1186/s13002-021-00438-z

Humairah, A., Yuniarti, Y., & Thamrin, G. A. R. (2022). Identifikasi Senyawa Metabolit Sekunder Pada Tumbuhan Belaran Tapah (Merremia peltata). *Jurnal Sylva Scienteae*, *5*(1), 86. https://doi.org/10.20527/jss.v5i1.5051

I Gusti Agung Krisna Larashati, & Anak Agung Gede Rai Yadnya Putra. (2023). Review Aktivitas Analgesik Kenanga (Cananga odorata) dan Temulawak (Curcuma xanthorrhiza) dalam Usada Tenung Tanyalara. *Prosiding Workshop Dan Seminar Nasional Farmasi*, *1*, 116–127. https://doi.org/10.24843/wsnf.2022.v01.i01.p09

Indrayani Dalimunthe, G., & Andi Syahputra, R. (2021). Edge Activator: Effect of Concentration Variation of Tween 80 on Characteristics and Rate of Difusion transfersome sodium diclofenac. *Journal Syifa Sciences and Clinical Research*, *3*(2), 78–86. https://doi.org/10.37311/jsscr.v3i2.11914

Indriyani, S., Batoro, J., & Ekowati, G. (2012). Etnobotani Tanaman Obat Masyarakat Tengger, Taman Nasional Bromo Tengger Semeru. *Natural B*, *1*(3), 222–228.

Intan, C., Puteri, A., Simahate, S., Ningtias, A., & Aisyia, Z. P. (2024). *The Analgesic Activity Study of Ethanol Extract of Plantago Major L . in Mice (Mus Musculus L .) using Writhing Test Method*.

Ishola, I. O., Awodele, O., Olusayero, A. M., & Ochieng, C. O. (2014). Mechanisms of analgesic and anti-inflammatory properties of annona muricata linn. (Annonaceae) fruit extract in rodents. *Journal of Medicinal Food*, *17*(12), 1375–1382. https://doi.org/10.1089/jmf.2013.0088

Jadid, N., Kurniawan, E., Himayani, C. E. S., Andriyani, Prasetyowati, I., Purwani,

K. I., Muslihatin, W., Hidayati, D., & Tjahjaningrum, I. T. D. (2020). An ethnobotanical study of medicinal plants used by the Tengger tribe in Ngadisari village, Indonesia. *PLoS ONE*, *15*(7 July), 1–16. https://doi.org/10.1371/journal.pone.0235886

Jiang, W., Tang, M., Yang, L., Zhao, X., Gao, J., Jiao, Y., Li, T., Tie, C., Gao, T., Han, Y., & Jiang, J. D. (2022). Analgesic Alkaloids Derived From Traditional Chinese Medicine in Pain Management. *Frontiers in Pharmacology*, *13*(May), 1–25. https://doi.org/10.3389/fphar.2022.851508

Kang, E., Lee, J., Seo, S., Uddin, S., Lee, S., Han, S. B., & Cho, S. (2023). Regulation of anti-inflammatory and antioxidant responses by methanol extract of Mikania cordata (Burm. f.) B. L. Rob. leaves via the inactivation of NF-κB and MAPK signaling pathways and activation of Nrf2 in LPS-induced RAW 264.7 macrophages. *Biomedicine and Pharmacotherapy*, *168*, 115746. https://doi.org/10.1016/j.biopha.2023.115746

Karmakar, U. K., Akter, S., & Sultana, S. (2020). Investigation of antioxidant, analgesic, antimicrobial, and anthelmintic activity of the aerial parts of paederia foetida (Family: Rubiaceaea). *Jordan Journal of Pharmaceutical Sciences*, *13*(2), 131–147.

Karunarathna, I., Gunasena, P., Aluthge, P., Perera, N., Gunathilake, S., Alvis, K. De, Gunawardana, K., & Rajapaksha, S. (2024). *Methylprednisolone : Mechanism of Action ,. October*.

Khan, S., Mehmood, M. H., Ali, A. N. A., Ahmed, F. S., Dar, A., & Gilani, A. H. (2011). Studies on anti-inflammatory and analgesic activities of betel nut in rodents. *Journal of Ethnopharmacology*, *135*(3), 654–661. https://doi.org/10.1016/j.jep.2011.03.064

Khariani sondang, Lestari, R., & Rahmawati. (2021). Uji Efek Anti-Inflamasi dan Analgesik dari Rebusan Daun Bambu Kuning (Bambusa vulgaris Schard) (Test Anti-Infl ammatory and Analgesic Eff ect from Decoction of Bamboo Kuning Leaves (Bambusa Vulgaris Schard). *Jurnal Ilmu Kefarmasian Indonesia*, *19*(2), 266–271.

Kumar, P., Sharma, D. K., & Ashawat, M. S. (2022). Topical creams of piperine loaded lipid nanocarriers for management of atopic dermatitis: development, characterization, and in vivo investigation using BALB/c mice model. *Journal of Liposome Research*, *32*(1), 62–73. https://doi.org/10.1080/08982104.2021.1880436

Kuspraningrum, E., Luth, T., Yuliati, Safa'at, R., & Kuspradini, H. (2020). Review: The conservation of tengger indigenous people's traditional knowledge of biological natural resource-based disease treatments. *Biodiversitas*, *21*(11), 5040–5053. https://doi.org/10.13057/biodiv/d211108

Lara, A. D., Elisma, & K, F. S. (2023). Investigating the Analgesic Activity of Jeruju Leaf Infusion (Acanthus Ilicifolius L.) on Male White Mice (Mus Musculus). *International Journal of Prevention Practice and Research*, *03*(01), 01–05. https://doi.org/10.55640/medscience-abcd618

Latief, M., Fisesa, A. T., Sari, P. M., & Tarigan, I. L. (2021). Aktivitas antiinflamasi Ekstrak Etanol Daun Sungkai (Peronema canescens Jack) Pada Mencit Terinduksi Karangean. *Jurnal Farmasi Sains Dan Praktis*, *7*(2), 144–153. https://doi.org/10.31603/pharmacy.v7i2.4532

Leren, L., Eide, H., Johansen, E. A., Jelnes, R., & Ljoså, T. M. (2022). Background pain in persons with chronic leg ulcers: An exploratory study of symptom characteristics and management. *International Wound Journal*, *19*(6), 1357–1369. https://doi.org/10.1111/iwj.13730

Li, X., Song, B., Teng, X., Li, Y., Yang, Y., & Zhu, J. (2022). Low Dose of Methylprednisolone for Pain and Immune Function After Thoracic Surgery. *Annals of Thoracic Surgery*, *113*(4), 1325–1332. https://doi.org/10.1016/j.athoracsur.2021.04.055

Li, X., Yuan, W., Wu, J., Zhen, J., Sun, Q., & Yu, M. (2022). Andrographolide, a natural anti-inflammatory agent: An Update. *Frontiers in Pharmacology*, *13*(September), 1–23. https://doi.org/10.3389/fphar.2022.920435

Listiyana, A., & Mutiah, R. (2017). Pemberdayaan Masyarakat Suku Tengger Ngadas Poncokusumo Kabupaten Malang Dalam Mengembangkan Potensi Tumbuhan Obat Dan Hasil Pertanian Berbasis "Etnofarmasi" Menuju Terciptanya Desa Mandiri. *Journal of Islamic Medicine*, *1*(1), 1–8. https://doi.org/10.18860/jim.v1i1.4117

Low, M., Khoo, C. S., Münch, G., Govindaraghavan, S., & Sucher, N. J. (2015). An in vitro study of anti-inflammatory activity of standardised Andrographis paniculata extracts and pure andrographolide. *BMC Complementary and Alternative Medicine*, *15*(1), 1–9. https://doi.org/10.1186/s12906-015-0525-7

Lubis, A. L., Larisang, & Akbar, Z. A. (2020). Perancangan Fasilitas Kerja Yang Ergonomis bagi Operator CCTV Kominfo Batam. *Jurnal Industri Kreatif (JIK)*, *3*(02), 21–33. https://doi.org/10.36352/jik.v3i02.26

Mamahani, A. F. (2016). Etnobotani Tumbuhan Obat Masyarakat Subetnis Tonsawang Di Kabupaten Minahasa Tenggara Provinsi Sulawesi Utara. *PHARMACONJurnal Ilmiah Farmasi*, *5*(2), 205–212.

Mandal, S. K., & Rahaman, C. H. (2022). Inventorization and Consensus Analysis of Ethnoveterinary Medicinal Knowledge Among the Local People in Eastern India: Perception, Cultural Significance, and Resilience. *Frontiers in Pharmacology*, *13*(April), 1–47. https://doi.org/10.3389/fphar.2022.861577

Martalina Limbong, Takabatake, K., Kawai, H., Omori, H., Qiusheng, S., Oo, M. W., Sukegawa, S., Nakano, K., Tsujigiwa, H., & Nagatsuka, H. (2023). Farmakologi Sosial dan Pengelolaan Obat. In *International Journal of Molecular Sciences* (Vol. 21, Issue February).

Matin Sarker, M. A., & Sk Feroz Uddin Ahmed Chowdhury, A. Y. (2022). Analgesic Effect of Methanolic Extracts of Leaf, Bark and Fruit of Averrhoa bilimbi Linn. *Bangladesh Medical Research Council Bulletin*, *48*(2), 120–126. https://doi.org/10.3329/bmrcb.v48i2.62298

Matosinhos, R. C., Bezerra, J. P., Barros, C. H., Fernandes Pereira Ferreira Bernardes, A. C., Coelho, G. B., Carolina de Paula Michel Araújo, M., Dian de Oliveira Aguiar Soares, R., Sachs, D., & Saúde-Guimarães, D. A. (2022). Coffea arabica extracts and their chemical constituents in a murine model of gouty arthritis: How they modulate pain and inflammation. *Journal of Ethnopharmacology*, *284*(October 2021). https://doi.org/10.1016/j.jep.2021.114778

Maulana, R. Y., & Wicaksono, D. S. (2020). Efek Antiinflamasi Ekstrak Tanaman Pagoda terhadap Hemoroid. *Jurnal Penelitian Perawat Profesional*, *2*(2), 131–138. https://doi.org/10.37287/jppp.v2i2.82

Mauliddiyah, N. L. (2021). *Metode Pengumpulan Data Dan Instrumen Penelitian*. 6.

Maulidiah, M., Winandari, O. P., & Saputri, D. A. (2020). Pemanfaatan Organ Tumbuhan Sebagai Obat Yang Diolah Secara Tradisional Di Kecamatan Kebun Tebu Kabupaten Lampung Barat. *Jurnal Ilmu Kedokteran Dan Kesehatan*, *7*(2), 443–447. https://doi.org/10.33024/jikk.v7i2.2720

ME Abdel-Salam, O., & A Sleem, A. (2023). Effect of Andrographis paniculata in experimental models of pain and inflammation. *Drug Discovery*, *17*(39), 1–9. https://doi.org/10.54905/disssi.v17i39.e5dd1006

Meegada, P. P., Pathapati, R. M., Rayam, S., & Nallabothula, R. K. (2021). Evaluation of analgesic and anti-inflammatory properties of the Allium cepa extract in rats. *International Journal of Basic & Clinical Pharmacology*, *10*(7), 789. https://doi.org/10.18203/2319-2003.ijbcp20212374

Mita, R. S., & Husni, P. (2017). Pemberian Pemahaman Mengenai Penggunaan Obat Analgesik Secara Rasional Pada Masyarakat Di Arjasari Kabupaten Bandung. *Aplikasi Ipteks Untuk Masyarakat*, *6*(3), 193–194.

Mohapatra, S., Mohandas, R., & Doraikannan, S. S. (2023). Assessment of Anti-Microbial Efficacy against Oral Pathogens, Anti-Inflammatory, and Anti-oxidant Activity of Ethanolic and Aqueous Extract of Erythrina variegata (Indian Coral Tree) Leaves – An In-vitro Study. *Research Journal of*

Pharmacy and Technology, *16*(12), 5930–5934. https://doi.org/10.52711/0974-360X.2023.00962

Monteiro, B. P., Lascelles, B. D. X., Murrell, J., Robertson, S., Steagall, P. V. M., & Wright, B. (2023). 2022 WSAVA guidelines for the recognition, assessment and treatment of pain. *Journal of Small Animal Practice*, *64*(4), 177–254. https://doi.org/10.1111/jsap.13566

Motti, R. (2021). Wild plants used as herbs and spices in Italy: An ethnobotanical review. *Plants*, *10*(3), 1–14. https://doi.org/10.3390/plants10030563

Muhammad, Cut Hadisti Arhafna, Dwi Adrisa Zuhra, & Ekariana S Pandia. (2023). Keanekaragaman Tumbuhan Liar Yang Berpotensi Sebagai Tanaman Obat Pada Suku Tamiang Di Desa Tangsi Lama Kecamatan Seruway. *Jurnal Biosense*, *6*(01), 1–11. https://doi.org/10.36526/biosense.v6i01.2010

Muhammad, M. N., Sani, M. H., & Zakari, S. A. (2023). *Evaluation Of Pharmacognostic , Antioxsidant , Analgesic , and Antimicrobial Activities Of Jatropha curcas Leaves*. *14*(November), 243–250.

Munaeni, W., Carlen Mainassy, M., Puspitasari, D., Susanti, L., Cholis Endriyatno, N., Yuniastuti, A., Ketut Wiradnyani, N., Nanda Fauziah, P., Adriani, Febriza Achmad, A., Kurnia Rohmah, M., Fadhilah Rahman, I., Yulianti, R., Yulinda Cesa, F., Adriani Hendra, G., & Rollando. (2022). *Manfaat Obat Herbal*. https://toharmedia.co.id

Najem, M., Ibijbijen, J., & Nassiri, L. (2019). Quantitative ethnobotanical study of poisonous medicinal plants used in the traditional pharmacopoeia of the central middle atlas region: Morocco. *Ethnobotany Research and Applications*, *18*(November), 1–17. https://doi.org/10.32859/era.18.36.1-17

Nazir, S., Syeda Afroz, Tauseef, H., Afsheen, H., Farooqui, R., & Rizvi, A. (2022). Phytochemical Analysis, Safety Profile, Analgesic, and Anti-inflammatory Effect of Ethanol Extract of Allium fistulosum L. *Pak-Euro Journal of Medical and Life Sciences*, *5*(1), 135–146. https://doi.org/10.31580/pjmls.v5i1.2511

Ningsih, I. Y. (2016). Studi Etnofarmasi Penggunaan Tumbuhan Obat Oleh Suku Tengger Di Kabupaten Lumajang Dan Malang, Jawa Timur. *Pharmacy*, *13*(01), 10–20.

Ningsih, I. Y., Mandasari, V. F., Pratama, A. N. W., & Hidayat, M. A. (2024). Ethnopharmacology study of medicinal plants utilization for antidiarrheal remedies by Tengger tribe in Tosari District, Indonesia. *Pharmaciana*, *14*(1), 100. https://doi.org/10.12928/pharmaciana.v14i1.28099

Nomleni, F. T., Daud, Y., & Tae, F. (2021). Etnobotani Tumbuhan Obat Tradisional

di Desa Huilelot dan Desa Uiasa Kecamatan Semau Kabupaten Kupang. *BIO-EDU: Jurnal Pendidikan Biologi*, *6*(1), 60–73. https://doi.org/10.32938/jbe.v6i1.993

Nugraha, A. S., Pratama, A. N. W., Triatmoko, B., Agustina, R. P., Mirza, S., Nawiyanto, Wangchuk, P., & Keller, P. A. (2024). Tenggerese traditional medicine of Indonesia: Existing practices and the botanical identification of medicinal plants. *Ethnobotany Research and Applications* , *27*(Special Issue). https://doi.org/10.32859/era.27.39.1-21

Nurlatifah, A., Hendryanny, E., & Yuniarti, Y. (2021). Effect of Gooseberry (*Physalis angulata*) Ethanol Extract in Wistar Rats Carrageenan-Induced Paw Oedema. *Global Medical and Health Communication (GMHC)*, *9*(1), 29–35. https://doi.org/10.29313/gmhc.v9i1.6336

Okaiyeto, K., & Oguntibeju, O. O. (2021). African herbal medicines: Adverse effects and cytotoxic potentials with different therapeutic applications. *International Journal of Environmental Research and Public Health*, *18*(11). https://doi.org/10.3390/ijerph18115988

Okhale, S., & Nwanosike, E. (2016). Abrus precatorius Linn (Fabaceae): phytochemistry, ethnomedicinal uses, ethnopharmacology and pharmacological activities Ixora coccinea View project Crinum Zeylanicum L And Crinum Ornatum (Ait) Bury Bulbs View project. *International Journal of Pharmaceutical Science and Research*, *1*(6), 37–43. https://www.researchgate.net/publication/330873441

Ouma, A. (2022). Intergenerational Learning Processes of Traditional Medicinal Knowledge and Socio-Spatial Transformation Dynamics. *Frontiers in Sociology*, *7*(July), 1–10. https://doi.org/10.3389/fsoc.2022.661992

Penido, A., Mendes, P., Campos, I., & Mendes, L. (2013). Malaysian Journal of Microbiology. *Malaysian Journal of Microbiology*, *9*(2), 166–175. https://doi.org/10.1017/CBO9781107415324.004

Placha, D., & Jampilek, J. (2021). Chronic inflammatory diseases, anti-inflammatory agents and their delivery nanosystems. *Pharmaceutics*, *13*(1), 1–27. https://doi.org/10.3390/pharmaceutics13010064

Poojar, B., Ommurugan, B., Adiga, S., Thomas, H., Sori, R. K., Poojar, B., Hodlur, N., Tilak, A., Korde, R., Gandigawad, P., In, M., Sleep, R., Albino, D., Rats, W., Article, O., Schedule, P., Injury, C. C., Sori, R. K., Poojar, B., … Gandigawad, P. (2017). Methodology Used in the Study. *Asian Journal of Pharmaceutical and Clinical Research*, *7*(10), 1–5. https://doi.org/10.4103/jpbs.JPBS

Popovici, V., Bucur, L., Vochita, G., Gherghel, D., Mihai, C. T., Rambu, D.,

Calcan, S. I., Costache, T., Cucolea, I. E., Matei, E., Badea, F. C., Caraiane, A., & Badea, V. (2021). In vitro anticancer activity and oxidative stress biomarkers status determined by usnea barbata (L.) f.h. wigg. dry extracts. *Antioxidants*, *10*(7). https://doi.org/10.3390/antiox10071141

Pramita, N. H. (2013). Etnobotani Upacara Kasada Masyarakat Tengger, di Desa Ngadas, Kecamatan Malang, Poncokusumo, Kabupaten Malang. *Journal of Indonesian Tourism and Development Studies*, *1*(2), 52–61. https://doi.org/10.21776/ub.jitode.2013.001.02.02

Prasetyawan, F., Saristiana, Y., Haq, I. F., Ibad, I. I., & Alfaris, I. I. (2024). *Descriptive Analysis the Analgesic Activity of Chloroform Fraction from Acorus Calamus L . Leaf Extract on Male White Mice (Mus Musculus) Induced by Acetic Acid*. *2*(01), 44–51.

Pundir, S., Shukla, M. K., Singh, A., Chauhan, R., Lal, U. R., Ali, A., & Kumar, D. (2022). A comprehensive review on angel's trumpet (Brugmansia suaveolens). *South African Journal of Botany*, *151*, 266–274. https://doi.org/10.1016/j.sajb.2022.02.023

Purwanto, Y., Sukara, E., Ajiningrum, P. S., & Priatna, D. (2020). Cultural diversity and biodiversity as foundation of sustainable development. *Indonesian Journal of Applied Environmental Studies*, *1*(1), 2–10. https://doi.org/10.33751/injast.v1i1.1976

Putra, B., Azizah, R. N., & Nopriyanti, E. M. (2020). Efek Imunomodulator Ekstrak Etanol Herba Krokot (Portulaca oleracea L.) terhadap Tikus Putih (Rattus norvegicus) Jantan dengan Parameter Delayed Type Hypersensitivity (DTH). *Jurnal Farmasi Galenika (Galenika Journal of Pharmacy) (e-Journal)*, *6*(1), 20–25. https://doi.org/10.22487/j24428744.2020.v6.i1.14106

Putri, W. K., Hakim, L., & Batoro, J. (2016). Ethnobotanical Survey of Home Gardens in Pandansari and Sumberejo to Support Ecotourism Program in Bromo Tengger Semeru National Park, Indonesia. *International Journal of Research Studies in Agricultural Sciences*, *2*(1), 6–12. https://doi.org/10.20431/2454-6224.0201002

Ralte, L., Sailo, H., & Singh, Y. T. (2024). Ethnobotanical study of medicinal plants used by the indigenous community of the western region of Mizoram, India. *Journal of Ethnobiology and Ethnomedicine*, *20*(1). https://doi.org/10.1186/s13002-023-00642-z

Rambey, R., Nelasufa, F., Athoriez, A. P. M., Solihin, Rahmawaty, Susilowati, A., & Afifuddin, Y. (2024). Ethnobotanical study of medicinal plants by indigenous community of Aek Guo Village, Mandailing Natal District, Indonesia. *Biodiversitas*, *25*(3), 1046–1056. https://doi.org/10.13057/biodiv/d250318

Ravishankar, K., Kiranmayi, G. V. N., & Kala, M. L. (2021). Comparitive in vitro , in vivo anti-arthritic and anti- inflammatory activities of Plumeria pudica Jacq ., Enum . Syst . Pl . 13 1760 and Plumeria rubra L . Sp . Pl . 209 1753 in albino rats. *Advancement in Medicinal Plant Research*, *9*(2), 40–47.

Razafindrakoto, Z. R., Tombozara, N., Donno, D., Gamba, G., Nalimanana, N. R., Rakotondramanana, D. A., Andrianjara, C., Beccaro, G. L., & Ramanitrahasimbola, D. (2021). Antioxidant, analgesic, anti-inflammatory and antipyretic properties, and toxicity studies of the aerial parts of Imperata cylindrica (L.) Beauv. *South African Journal of Botany*, *142*, 222–229. https://doi.org/10.1016/j.sajb.2021.07.004

Reis, C., Barreto, M., Menezes de Faria Pereira, S., Leandro da Cruz, L., De Souza Passos, M., Pereira de Moraes, L., Curcino, I. J., & Barros de Oliveira, D. (2020). Plants as Sources of Anti-Inflammatory Agents. *Molecules*, *25*(3726), 1–22.

Requana Aradas, A., Djaboub, Y., McCort-Tranchepain, I., Hajasova, Z., Clémenceau, L., Canestrelli, C., Mann, A., Schulz, S., Delaval, A., Acher, F., Massotte, D., Noble, F., & Marie, N. (2023). Activation of the Mu-Delta Opioid Receptor Heteromers Blocks Morphine Rewarding Effects. *International Journal of Neuropsychopharmacology*, *26*(7), 513–521. https://doi.org/10.1093/ijnp/pyad032

Reserved, A. R., Url, O., & Uri, E. (2020). SAGE Research Methods Foundations. *SAGE Research Methods Foundations*, *2019*, 0–2. https://doi.org/10.4135/Official

Rinawati, Tirta, I., Budhiarti, Aulia Eka Putri, D., & Kurniaty, I. (2022). Pengaruh Konsentrasi Ekstrak Kental Daun Kanyere (Bridelia Monoica (L). Merr) Sebagai Antiinflamasi Dalam Sediaan Gel Luka Bakar. *Jurnal Teknologi*, *14*(1), 80–90. https://dx.doi.org/10.24853/jurtek.14.1.79-90

Rony Setianto, Hasanuddin, A., & Jurnal Syarif. (2022). Ethnomedicine Study of Muscle Flour Herbal (Borreria Laevis) In The Tengger Tribe of Bromo East Java as Anti-Inflamation. *International Journal of Public Health Excellence (IJPHE)*, *2*(1), 257–265. https://doi.org/10.55299/ijphe.v2i1.209

Rudra, M. S., Chowdhury, H., Faruque, M., & Uddin, S. (2022). Diversity and ethnobotanical use of Traditional Medicinal Plants in Badolchori Vadi Sora Village Common Forests (VCFs) of Rangamati, Bangladesh. *Bangladesh Journal of Plant Taxonomy*, *29*(1), 109–128.

Saensouk, S., Saensouk, P., Ragsasilp, A., Senakun, C., Daovisan, H., Setyawan, A. D., Niamngon, T., Niamngon, P., & Appamaraka, S. (2024). Medical ethnobotany and utilization of medicinal plants in the Don Pu Ta Forest Thai Yoi Ethnic Groups, Sakon Nakhon Province, Thailand. *Biodiversitas*, *25*(9),

3014–3031. https://doi.org/10.13057/biodiv/d250923

Salama, S., Habib, M. H., Hatti-Kaul, R., & Gaber, Y. (2022). Reviewing a plethora of oxidative-type reactions catalyzed by whole cells of Streptomyces species. *RSC Advances*, *12*(12), 6974–7001. https://doi.org/10.1039/d1ra08816e

Salaria, D., Rolta, R., Sharma, N., Patel, C. N., Ghosh, A., Dev, K., Sourirajan, A., & Kumar, V. (2022). In vitro and in silico antioxidant and anti-inflammatory potential of essential oil of Cymbopogon citratus (DC.) Stapf. of North-Western Himalaya. *Journal of Biomolecular Structure and Dynamics*, *40*(24), 14131–14145. https://doi.org/10.1080/07391102.2021.2001371

Saputra, H., Ayu, A., Fuspita, P., Keluarga, S., Jambi, B., Putri, A. A., Program, F., Farmasi, S., Tinggi, S., Kesehatan, I., Bunda, K., & Jambi, I. (2023). Uji Efek Antiinflamasi Fraksi Buah Terong Belanda (Solanum betaceum Cav.) Terhadap Edema Telapak Kaki Tikus Putih Jantan. *Pharmacon Journal*, *1*(1), 2023. https://ojs.stikeskeluargabunda.ac.id/index.php/pharmaconjurnal/

Sedikides, C. (2021). Self-Construction, Self-Protection, and Self-Enhancement: A Homeostatic Model of Identity Protection. *Psychological Inquiry*, *32*(4), 197–221. https://doi.org/10.1080/1047840X.2021.2004812

Seo, J., Lee, U., Seo, S., Wibowo, A. E., Pongtuluran, O. B., Lee, K. J., Han, S. B., & Cho, S. (2022). Anti-inflammatory and antioxidant activities of methanol extract of Piper betle Linn. (Piper betle L.) leaves and stems by inhibiting NF-κB/MAPK/Nrf2 signaling pathways in RAW 264.7 macrophages. *Biomedicine and Pharmacotherapy*, *155*(September), 113734. https://doi.org/10.1016/j.biopha.2022.113734

Setianto, R., Dewi, B. A., Rosita, F., & Muslikhah, S. (2020). Uji aktivitas antiinflamasi ekstrak etanol daun Pangotan (Microsorium beurgerianum (Miq.) Ching) terhadap tikus putih (Rattus norvegicus L.) yang diinduksi karagenan. *Jurnal Ilmiah Kesehatan*, *1*(2), 21–26.

Sharma, A. (2023). *Investigation of the Wound Healing Potential of Kaempferia rotunda (Ginger) Extract*. *November*. https://doi.org/10.15515/abr.0976-4585.14.4.149153

Shelemo, A. A. (2023). Peran Kelompok Sadar Wisata Pandan Alas Dalam Pengelolaan Hutan Mangrove Sriminosari Kecamatan Labuhan Maringgai Kabupaten Lampung Timur. *Nucl. Phys.*, *13*(1), 104–116.

Shrestha, B. (2021). *Synthesis of CuS @ MSN @ SpAcDex for Tacrolimus delivery to treat End Stage Renal Disease*.

Siddiqui, S. A., Rahman, A., Oliur Rahman, M., Akbar, M. A., Shamsur Rouf, A. S., Ali, M. A., Al-Hemaid, F. M. A., & Farah, M. A. (2018). Evaluation of

anti-nociceptive, anti-inflammatory and antipyretic potential of Mikania cordata (Burm. f.) Robinson in experimental animal model. *Saudi Journal of Biological Sciences*, *25*(6), 1049–1055. https://doi.org/10.1016/j.sjbs.2018.01.009

Sigit Prasuma, G., Qotrunnada, N., & Lintang Charisma, S. (2024). Uji Aktivitas Hepatoprotektor Ekstrak Etanol Herba Tapak Liman (Elephantopus scaber L.) terhadap Tikus Jantan Galur Wistar yang Diinduksi Isoniazid. *Pharmaceutical Journal of Indonesia)*, *20*(02), 183–188.

Sinha R, Kaur D, K. B. (2019). *of Inflammtory Activity of Methanolic Extract of*. *1*(1), 1–5.

Sir Partha Dasgupta. (2021). *WellBeing International WellBeing International WBI Studies Repository WBI Studies Repository The Economics of Biodiversity The Dasgupta Review Abridged The Economics of Biodiversity The Dasgupta Review Abridged Version Version Sir Partha Dasgupta*. https://www.gov.uk/government/publications/final-report-the-economics-of-

Situmorang, G. A., Yamamoto, Z., Ichwan, M., & Prayugo, B. (2022). Anredera cordifolia leaves extract accelerates the wound healing of normal and hyperglycemic rats. *Pharmaciana*, *12*(1), 39. https://doi.org/10.12928/pharmaciana.v12i1.21218

Sloka, J. S., & Stefanelli, M. (2005). The mechanism of action of methylprednisolone in the treatment of multiple sclerosis. *Multiple Sclerosis*, *11*(4), 425–432. https://doi.org/10.1191/1352458505ms1190oa

Souri, M. S., Oktavia, S., & Ifora, I. (2021). Potential anti-inflammatory effects of Psidium guajava L.: A review. *Asian Journal of Pharmaceutical Research and Development*, *9*(2), 47–52. https://doi.org/10.22270/ajprd.v9i2.941

Stone, J. R. (2004). Math Course Taking For CTE Concentrators: Evidence from Three Studies of the Impact of a Decade of Education Reform. *Journal of Career and Technical Education*, *21*(1), 23–42. https://doi.org/10.21061/jcte.v21i1.647

Subkhi Mahmasani. (2020). *Kajian Pustaka : Balakka (Phyllanthus emblica L.) Sebagai Hasil Hutan ukan Kayu Yang Tidak Terkelola Dengan Baik Di Sumatera Utara*. *2*, 274–282.

Suhendy, H., Priatna, M., & Iskandar, Y. (2020). *Analgesic Activity of Infusion of Beluntas Radix (Pluchea indica (L.)) on the Male Mice*. *26*, 258–260. https://doi.org/10.2991/ahsr.k.200523.062

Sulistyowaty, M. I., Fajrin, F. A., Pratama, M. R. F., Setyawan, D., Indrianingsih, A. W., Putra, G. S., Zidan, S. A. H., Yamauchi, T., & Matsunami, K. (2024).

Anti-inflammatory potential of Curcuma heyneana: An in vitro and in silico investigation. *Pharmacia*, *71*, 1–11. https://doi.org/10.3897/PHARMACIA.71.E120886

Sumiwi, S. A., Subarnas, A., Supriyatna, S., Abdasah, M., & Muchtaridi, M. (2015). Analysis of chemical composition and its analgesic and antiinflammatory activity of essential oil of sintoc bark (Cinnamomum sintoc bl.) using in vivo methods. *Journal of Applied Pharmaceutical Science*, *5*(2), 058–065. https://doi.org/10.7324/JAPS.2015.50209

Supardi, S., & Leny Susanty, A. (2010). *Penggunaan Obat Tradisional Dalam Upaya Pengobatan Sendiri Di Indonesia (Analisis Data Susenas Tahun 2007): Vol. Vol. 38 No*.

Suriyeni, D., Mukarromah, Z., Rosyid Ridho, M., & Ainur Ridho, M. (2024). Eksplorasi Molecular Docking Senyawa Flavonoid Orthosiphon Stamineus B. Reseptor Enzim Siklooksigenase (COX) Sebagai Antiinflamasi. *Blantika: Multidisciplinary Journal*, *2*(8), 211–218. https://doi.org/10.57096/blantika.v2i8.191

Suryanita, & Ferna, I. (2023). Studi Etnofarmakologi Tumbuhan Obat Hiperglikemia Pada Masyarakat. *Journal of Pharmaceutical Science and Herbal Technology Vol.1*, *1*(1), 2–5.

Susilawati, E., Aligita, W., Kaniawati, M., Liani, D. A., Levita, J., Susilawati, Y., & Sumiwi, S. A. (2024). Effects of Erythrina subumbrans (Hassk.) Merr. leaves extract on RBCs membrane stability and egg white-induced edema in rats. *Journal of Applied Pharmaceutical Science*, *14*(1), 291–296. https://doi.org/10.7324/JAPS.2024.141692

Sutriani, E., & Octaviani, R. (2019). Topik: Analisis Data Dan Pengecekan Keabsahan Data. *INA-Rxiv*, 1–22.

Syahbanuari, Yusniwati, & Efendi, S. (2020). Bioma : jurnal biologi makassar. *Jurnal Biologi Makasar*, *5*(1), 47–59.

Syahputri, A. Z., Fallenia, F. Della, & Syafitri, R. (2023). Kerangka berfikir penelitian kuantitatif. *Tarbiyah: Jurnal Ilmu Pendidikan Dan Pengajaran*, *2*(1), 160–166.

Taherdoost, H. (2021). Data Collection Methods and Tools for Research; A Step-by-Step Guide to Choose Data Collection Technique for Academic and Business Research Projects Hamed Taherdoost. Data Collection Methods and Tools for Research; A Step-by-Step Guide to Choose Data Coll. *International Journal of Academic Research in Management (IJARM)*, *2021*(1), 10–38. https://hal.science/hal-03741847

Tahoangako, S. S., Santosa, D., & Fakhrudin, N. (2024). Study of the Utilization of Medicinal Plants by Traditional Healer of the Tolaki Ethnic Tribe, Southeast Sulawesi, Indonesia. *Ethnobotany Research and Applications*, *28*. https://doi.org/10.32859/era.28.39.1-17

Tahsin, M. R. (2022). "An Evaluation of Analgesic and Anti-Inflammatory Activity of Ethanolic Extract of Cynodon Dactylon on Stressed Rodent Model." *Biomedical Journal of Scientific & Technical Research*, *42*(3). https://doi.org/10.26717/bjstr.2022.42.006741

Tallulembang, T. M., Latif, A., & Balukh, D. R. (2020). Aplikasi Pengolahan Tanaman Herbal Untuk Pengobatan Berbagai Jenis Penyakit Berbasis Web. *Musamus Journal of Technology & Information*, *3*(01), 009–013. https://doi.org/10.35724/mjti.v3i01.5182

Tiarasanti, F., Sufiawati, I., Amalia, E., Sari, K. I., Zubaedah, C., & Takarini, V. (2024). The Effects of Potato (Solanum tuberosum L. vs. Granola; Solanaceae) Peel Extract Gel on Gingival Wound Healing in Wistar Rats. *Journal of Experimental Pharmacology*, *16*, 25–35. https://doi.org/10.2147/JEP.S443355

Ummah, M. S. (2019). Penapisan Fitokimia Berbagai Benalu Yang Digunakan Sebagai Obat D i Desa Sumberjaya Kecamatan Waway KaryaLampung Timur. *Sustainability (Switzerland)*, *11*(1), 1–14. http://scioteca.caf.com/bitstream/handle/123456789/1091/RED2017-Eng-8ene.pdf?sequence=12&isAllowed=y%0Ahttp://dx.doi.org/10.1016/j.regsciurbeco.2008.06.005%0Ahttps://www.researchgate.net/publication/305320484_SISTEM_PEMBETUNGAN_TERPUSAT_STRATEGI_MELESTARI

Vella, F. M., Pignone, D., & Laratta, B. (2024). The Mediterranean Species Calendula officinalis and Foeniculum vulgare as Valuable Source of Bioactive Compounds. *Molecules*, *29*(15), 1–23. https://doi.org/10.3390/molecules29153594

Verma, R., Kumar, D., Nagraik, R., Sharma, A., Tapwal, A., Puri, S., Kumar, H., Kumari, A., Nepovimova, E., & Kuca, K. (2021). Mycorrhizal inoculation impact on Acorus calamus L. - An ethnomedicinal plant of western Himalaya and its in silico studies for anti-inflammatory potential. *Journal of Ethnopharmacology*, *265*(September 2020). https://doi.org/10.1016/j.jep.2020.113353

Wahyuni, I. S., Diina, T. R., Salsabila, A. S., Khairinisa, M. A., Sufiawati, I., Levita, J., Rosdianto, A. M., & Nittayananta, W. (2024). Kaempferia galanga L. alleviates the expression of COX-2 and NF-kappaB-p65 in the oral mucosa ulcer of Wistar rats and exhibits no irritation toward the vascular membrane of chicken eggs and the skin of albino rabbits. *Heliyon*, *10*(16), e35827. https://doi.org/10.1016/j.heliyon.2024.e35827

Wang, F., Liigand, J., Tian, S., Arndt, D., Greiner, R., & Wishart, D. S. (2021). CFM-ID 4.0: More Accurate ESI-MS/MS Spectral Prediction and Compound Identification. *Analytical Chemistry*, *93*(34), 11692–11700. https://doi.org/10.1021/acs.analchem.1c01465

Widyowati, R., Sukardiman, S., Wahyuni, T. S., Widyawaruyanti, A., & Nofianti, K. A. (2023). Pengembangan Produk Jamu Dan Simplisia Dari Tanaman Lokal Suku Tengger. *Jurnal Kreativitas Dan Inovasi (Jurnal Kreanova)*, *3*(2), 69–75. https://doi.org/10.24034/kreanova.v3i2.5672

Yatoo, M. I., Dimri, U., Gopalakrishnan, A., Saxena, A., Wani, S. A., & Dhama, K. (2018). In vitro and in vivo immunomodulatory potential of Pedicularis longiflora and Allium carolinianum in alloxan-induced diabetes in rats. *Biomedicine and Pharmacotherapy*, *97*(September 2017), 375–384. https://doi.org/10.1016/j.biopha.2017.10.133

Younus, I., & Siddiq, A. (2022). Raphanus sativus L. Var. caudatus as an Analgesic and Antipyretic Agent in Animal Models. *Pakistan Journal of Zoology*, *54*(4), 1643–1648. https://doi.org/10.17582/journal.pjz/20200812110845

Yulianti, T., & Sulistyawati, A. (2021). *Online Focus Group Discussion (OFGD) Model Design in Learning*. *I*. https://doi.org/10.4108/eai.16-10-2020.2305199

Yuliawati, K. M., Febriyanti, R. M., Sumiwi, S. A., & Levita, J. (2025). Anti-Inflammatory Activities of Some Plants of Genus Alpinia: Insights from In Vitro, In Vivo, and Human Studies. *Journal of Experimental Pharmacology*, *17*, 51–91. https://doi.org/10.2147/JEP.S499115

Zhakipbekov, K., Turgumbayeva, A., Issayeva, R., Kipchakbayeva, A., Kadyrbayeva, G., Tleubayeva, M., Akhayeva, T., Tastambek, K., Sainova, G., Serikbayeva, E., Tolenova, K., Makhatova, B., Anarbayeva, R., Shimirova, Z., & Tileuberdi, Y. (2023). Antimicrobial and Other Biomedical Properties of Extracts from Plantago major, Plantaginaceae. *Pharmaceuticals*, *16*(8), 1–21. https://doi.org/10.3390/ph16081092

Zhang, H., Shang, C., Tian, Z., Amin, H. K., Kassab, R. B., Abdel Moneim, A. E., & Zhang, Y. (2020). Diallyl Disulfide Suppresses Inflammatory and Oxidative Machineries following Carrageenan Injection-Induced Paw Edema in Mice. *Mediators of Inflammation*, *2020*. https://doi.org/10.1155/2020/8508906

Zhang, H. W., Wang, F., Zhou, Y. Q., Xu, S. P., Yu, S. Y., & Zhang, Z. G. (2021). Morphine Suppresses Liver Cancer Cell Tumor Properties In Vitro and In Vivo. *Frontiers in Oncology*, *11*(April), 1–10. https://doi.org/10.3389/fonc.2021.666446

Zhang, J., Ma, R., Ding, X., Huang, M., Shen, K., Zhao, S., Xiao, Z., & Xiu, C. (2021). Association among starch storage, metabolism, related genes and

growth of Moso bamboo (Phyllostachys heterocycla) shoots. *BMC Plant Biology*, *21*(1), 1–19. https://doi.org/10.1186/s12870-021-03257-2

Zhao, K. (2021). Sample representation in the social sciences. *Synthese*, *198*(10), 9097–9115. https://doi.org/10.1007/s11229-020-02621-3