DAFTAR PUSTAKA

Agustira, A., Darwis, I., Graharti, R., and Angraini, D. I. (2019). *Tanaman Sambung Nyawa (Gynura procumbens) sebagai Antihiperglikemi Sambung Nyawa Plants (Gynura procumbens) As Antihiperglicemic*. *9*, 240–244.

Ainsworth, E. A., and Gillespie, K. M. (2007). Estimation of total phenolic content and other oxidation substrates in plant tissues using Folin-Ciocalteu reagent. *Nature Protocols*, *2*(4), 875–877. https://doi.org/10.1038/nprot.2007.102

Aisyah, P., and Sutoyo, S. (2023). Synthesis and Characterization of Ethanol Extract Nanoherb of Tapak Liman Leaves (Elephantopus scaber Linn.) by Ionic Gelation Method. *International Journal of Progressive Sciences and Technologies*. https://doi.org/10.52155/ijpsat.v42.1.5855

Arifiyani, Z. I. (2019). EFEKTIVITAS KOMBINASI EKSTRAK DAUN KATUK (Sauropus androgynus) DAN TAPAK LIMAN (Elephantopus scaber) TERHADAP PRODUKSI SITOKIN MENCIT BUNTING YANG TERINFEKSI Candida albican. *Universitas Brawijaya*.

Benhelima, A., Vidal, O., Kaid-Omar, Z., Sahki, R., and Lacroix, J. M. (2020). Antibacterial, antibiofilm and antioxidant activities of some medicinal plants from pharmacopoeia of tassili N'ajjer. *Journal of Pure and Applied Microbiology*, *14*(3), 1835–1844. https://doi.org/10.22207/JPAM.14.3.22

Blainski, A., Lopes, G. C., and De Mello, J. C. P. (2013). Application and analysis of the folin ciocalteu method for the determination of the total phenolic content from limonium brasiliense L. *Molecules*, *18*(6), 6852–6865. https://doi.org/10.3390/molecules18066852

BLOIS, M. S. (1958). Antioxidant Determinations by the Use of a Stable Free Radical. *Nature*, *181*(4617), 1199–1200. https://doi.org/10.1038/1811199a0

Bondet, V., Brand-Williams, W., and Berset, C. (1997). Kinetics and mechanisms of antioxidant activity using the DPPH• free radical method. *Lwt*, *30*(6), 609–615. https://doi.org/10.1006/fstl.1997.0240

Brandi, M. L. (1992). Flavonoids: biochemical effects and therapeutic applications. *Bone and Mineral*, *19*(SUPPL. 1), 50139. https://doi.org/10.1016/0169-6009(92)90861-7

Cacique, A. P., Barbosa, É. S., de Pinho, G. P., and Silvério, F. O. (2020). Maceration extraction conditions for determining the phenolic compounds and the antioxidant activity of catharanthus roseus (L.) g. don. *Ciencia e Agrotecnologia*, *44*, 1–12. https://doi.org/10.1590/1413-7054202044017420

Chen, B., Lin, Z., Wu, R., Jin, S., Dong, L., Bai, L., Xu, W., and Wang, D.

(2021). Nine Supramolecular Adducts of 4-dimethylaminopyridine and Carboxylic acids Assembled by Classical Hydrogen Bonds and Other Noncovalent Intermolecular Interactions. *Journal of Molecular Structure*, *1239*, 130510. https://doi.org/10.1016/j.molstruc.2021.130510

Christodoulou, M. C., Orellana Palacios, J. C., Hesami, G., Jafarzadeh, S., Lorenzo, J. M., Domínguez, R., Moreno, A., and Hadidi, M. (2022). Spectrophotometric Methods for Measurement of Antioxidant Activity in Food and Pharmaceuticals. *Antioxidants*, *11*(11). https://doi.org/10.3390/antiox11112213

Darmayuda, Suardana, and Putra, B. (2021). ANALYSIS OF TOTAL FLAVONOID LEVELS OF ETHANOL EXTRACT (Cinnamon (Cinnamomum burmanii Blume) LEAVES WITH UV-VIS SPECTROPHOTOMETRY METHOD. *Jurnal Ilmu Pendidikan Indonesia*, *9*(3), 115–120. https://doi.org/10.31957/jipi.v9i3.1798

Djamil, R., and Zaidan, S. (2016). Isolasi Senyawa Flavonoid dari Ekstrak Metanol Daun Katuk (Sauropus androgynus (L.) Merr), Euphorbiaceae. *Jurnal Ilmu Kefarmasian Indonesia*, *14*(1), 57–61.

Endrini, S., Rahmat, A., Ismail, P., and Taufiq-Yap, Y. H. (2014). Cytotoxic effect of γ-sitosterol from Kejibeling (Strobilanthes crispus) and its mechanism of action towards c-myc gene expression and apoptotic pathway. *Medical Journal of Indonesia*, *23*(4), 203–208. https://doi.org/10.13181/mji.v23i4.1085

Erenler, R., Yaman, C., Demirtas, lbrahim, and Alma, M. H. (2023). Phytochemical Investigation of *Hypericum heterophyllum* Flowers: LC-ESI-MS/MS Analysis, Total Phenolic and Flavonoid Contents, Antioxidant Activity. In *The Natural Products Journal* (Vol. 13, Issue 7, pp. 37–45). https://doi.org/http://dx.doi.org/10.2174/2210315513666230112165545

Fajrin, D., Kurniatin, L. F., and Siswina, T. (2024). PENGARUH TAPAK LIMAN (Elephantopus scaber) TERHADAP INTENSITAS DISMENORE PADA REMAJA PUTERI. *Jurnal Kebidanan Khatulistiwa*. https://doi.org/10.30602/jkk.v10i2.1353

Fessenden, R., and Fessenden, J. (1984). *Kimia Organik Jilid II* (ab Pudjaatmaka (ed.); Edisi keti). Penerbit Erlangga Gramedia Pustaka.

Fitri, W. E., and Putra, A. (2021). Review : Peranan Senyawa Flavonoid Dalam Meningkatkan Sistem Imun Di Masa Pandemi Covid-19. *Seminar Nasional Syedza Saintika*, 61–72.

Flandez, L. E. L., Castillo-Israel, K. A. T., Rivadeneira, J. P., Tuaño, A. P. P., and Hizon-Fradejas, A. B. (2023). Development and Validation of an HPLC-

DAD Method for the Simultaneous Analysis of Phenolic Compounds. *Malaysian Journal of Fundamental and Applied Sciences*, *19*(5), 855–864. https://doi.org/10.11113/mjfas.v19n5.3049

Gao, M. R., Xu, Q. Da, He, Q., Sun, Q., and Zeng, W. C. (2019). A theoretical and experimental study: the influence of different standards on the determination of total phenol content in the Folin–Ciocalteu assay. *Journal of Food Measurement and Characterization*, *13*(2), 1349–1356. https://doi.org/10.1007/s11694-019-00050-6

Ginting, S. S., Sianipar, M. phetheresia, Sulasmi, Charissa, J., and Mardiana, N. (2025). PENETAPAN KADAR FLAVONOID EKSTRAK DAUN MATOA (Pometia pinnata) MENGGUNAKAN METODE SPEKTROFOTOMETRI UV-VIS. *Jurnal Deli Medical and Health Science*, *2*(2).

Goławska, S., Łukasik, I., Chojnacki, A. A., and Chrzanowski, G. (2023). Flavonoids and Phenolic Acids Content in Cultivation and Wild Collection of European Cranberry Bush Viburnum opulus L. *Molecules*, *28*(5). https://doi.org/10.3390/molecules28052285

Gunarti, N., and Hidayah, H. (2022). Flavonoid compounds of tapak liman plant (Elephantopus scaber) as antihyperuricemia. *Jurnal Ilmiah Farmasi*. https://doi.org/10.20885/jif.specialissue2022.art4

Halliwell, B., and Gutteridge, J. M. C. (2015). *Free Radicals in Biology and Medicine*. Oxford University Press.

Hanafiah, O., Abidin, T., Ilyas, S., Nainggolan, M., and Syamsudin, E. (2019). *Wound Healing Activity of Binahong (Anredera cordifolia (Ten.) Steenis) Leaves Extract towards NIH-3T3 Fibroblast Cells*. https://consensus.app/papers/wound-healing-activity-of-binahong-anredera-cordifolia-syamsudin-nainggolan/f349ca09323a5134b8805e6638b2e2b9/

Hanifah, and Anjani, T. P. (2022). SKRINING FITOKIMIA DAUN BINAHONG (Anredera cordifolia) DARI KABUPATEN SEMARANG YANG DIEKSTRAK MENGGUNAKAN PELARUT AIR. *Journal of Aquatropica Asia*, *7*.

Hasim, Arifin, Y. Y., Andrianto, D., and Faridah, D. N. (2019). Ethanol Extracts of Averrhoa Bilimbi Leaf Demonstrated Antioxidative and Anti-inflammatory Activity. *Jurnal Aplikasi Teknologi Pangan*, *8*(3), 86.

Hasnat, H., Shompa, S. A., Islam, M. M., Alam, S., Richi, F. T., Emon, N. U., Ashrafi, S., Ahmed, N. U., Chowdhury, M. N. R., Fatema, N., Hossain, M. S., Ghosh, A., and Ahmed, F. (2024). Flavonoids: A treasure house of prospective pharmacological potentials. *Heliyon*, *10*(6), e27533. https://doi.org/10.1016/j.heliyon.2024.e27533

Hikmawanti, N. P. E., Fatmawati, S., and Asri, A. W. (2021). The Effect of Ethanol Concentrations as The Extraction Solvent on Antioxidant Activity of Katuk (Sauropus androgynus (L.) Merr.) Leaves Extracts. *IOP Conference Series: Earth and Environmental Science*, *755*. https://doi.org/10.1088/1755-1315/755/1/012060

Huang, D., Ou, B., and Prior, R. L. (2005). The Chemistry behind Antioxidant Capacity Assays. *Journal of Agricultural and Food Chemistry*, *53*(6), 1841–1856. https://doi.org/10.1021/jf030723c

Husna, P. A. U., Kairupan, C. F., and Lintong, P. M. (2022). Tinjauan Mengenai Manfaat Flavonoid pada Tumbuhan Obat Sebagai Antioksidan dan Antiinflamasi. *EBiomedik*, *10*(1), 76–83.

Ioannou, G., Savva, I., Christou, A., Stavrou, I., and Kapnissi-Christodoulou, C. (2023). Phenolic Profile, Antioxidant Activity, and Chemometric Classification of Carob Pulp and Products. *Molecules*, *28*. https://doi.org/10.3390/molecules28052269

Isrianto, P. L., Kristianto, S., and Wilujeng, S. (2021). Microscopic Characterization of Keji Beling Extract (Strobilanthes crispus L.) As Herbal Medicine Studies. *Jurnal Biota*, *7*(2), 109–117. https://doi.org/10.19109/biota.v7i2.8382

Jakobek, L., and Matić, P. (2021). Spectrophotometric Folin-Ciocalteu and Aluminium Chloride Method Validation for the Determination of Phenolic Acid, Flavan-3-ol, Flavonol, and Anthocyanin Content. *Croatian Journal of Food Science and Technology*, *13*(2), 176–183. https://doi.org/10.17508/cjfst.2021.13.2.06

Karastergiou, A., Gancel, A., Jourdes, M., and Teissèdre, P.-L. (2025). Transforming winemaking waste: grape pomace as a sustainable source of bioactive compounds. *OENO One*. https://doi.org/10.20870/oeno-one.2025.59.2.9202

Kedare, S. B., and Singh, R. P. (2011). Genesis and development of DPPH method of antioxidant assay. *Journal of Food Science and Technology*, *48*(4), 412–422. https://doi.org/10.1007/s13197-011-0251-1

Kemenkes RI. (2022). Suplemen I Farmakope Herbal Indonesia Edisi II. In *Jakarta: Departement Kesehatan Republik Indonesia*.

Khalid, K., Ishak, R., and Chowdhury, Z. Z. (2024). *Chapter 15 - UV–Vis spectroscopy in non-destructive testing* (A. Otsuki, S. Jose, M. Mohan, & S. B. T.-N.-D. M. C. M. Thomas (eds.); pp. 391–416). Elsevier. https://doi.org/https://doi.org/10.1016/B978-0-323-91150-4.00021-5

Khopkar, S. M. (1990). *Konsep Dasar Kimia Analitik*.

Knudsen, C., Gallage, N., Hansen, C., Møller, B., and Laursen, T. (2018). Dynamic metabolic solutions to the sessile life style of plants. *Natural Product Reports*, *35*, 1140–1155. https://doi.org/10.1039/c8np00037a

Kumar, S., and Pandey, A. K. (2013). Chemistry and Biological Activities of Flavonoids: An Overview. *The Scientific World Journal*, *2013*(1), 162750. https://doi.org/https://doi.org/10.1155/2013/162750

Liu, F., Li, T., Shao, Y., Dong, Z., Kong, F., Liu, Z., and Tian, H. (2025). Proteomic analysis reveals proteins and pathways associated with the effects of Hippophae rhamnoides L. total flavonoids on ameliorating excessive erythropoiesis in high-altitude polycythemia mice. *Journal of Ethnopharmacology*, *350*, 119996. https://doi.org/https://doi.org/10.1016/j.jep.2025.119996

Mabry, T., Markham, K. R., and Thomas, M. B. (1970). *The Systematic Identification of Flavonoids*. Springer Berlin Heidelberg. https://books.google.co.id/books?id=6b8cRwAACAAJ

Mahindrakar, K. V, and Rathod, V. K. (2020). Chemical Engineering & Processing : Process Intensi fi cation Ultrasonic assisted aqueous extraction of catechin and gallic acid from Syzygium cumini seed kernel and evaluation of total phenolic , fl avonoid contents and antioxidant activity. *Chemical Engineering & Processing: Process Intensification*, *149*(December 2019), 107841. https://doi.org/10.1016/j.cep.2020.107841

Makati, A. C., Ananda, A. N., Putri, J. A., Amellia, S. F., and Setiawan, B. (2022). Molecular docking of ethanol extracts of katuk leaf (Sauropus androgynus) on functional proteins of severe acute respiratory syndrome coronavirus 2. *South African Journal of Botany*, *149*, 1–5. https://doi.org/10.1016/j.sajb.2022.04.044

Minarno, E. B. (2015). SKRINING FITOKIMIA DAN KANDUNGAN TOTAL FLAVANOID PADA BUAH Carica pubescens Lenne & K. Koch DI KAWASAN BROMO, CANGAR, DAN DATARAN TINGGI DIENG. *El-Hayah: Jurnal Biologi, 5(2), 73-82*.

Mohammed, D. M., Maan, S. A., Abou Baker, D. H., and Abozed, S. S. (2024). In vitro assessments of antioxidant, antimicrobial, cytotoxicity and anti-inflammatory characteristics of flavonoid fractions from flavedo and albedo orange peel as novel food additives. *Food Bioscience*, *62*, 105581. https://doi.org/https://doi.org/10.1016/j.fbio.2024.105581

Muflihah, Y. M., Gollavelli, G., and Ling, Y. C. (2021). Correlation study of antioxidant activity with phenolic and flavonoid compounds in 12 indonesian

indigenous herbs. *Antioxidants*, *10*(10), 1–15. https://doi.org/10.3390/antiox10101530

Nasir, B., Baig, M. W., Majid, M., Ali, S., Khan, M. Z. I., Kazmi, S. T. B., and Haq, I. (2020). Preclinical anticancer studies on the ethyl acetate leaf extracts of Datura stramonium and Datura inoxia. *BMC Complementary Medicine and Therapies*, *20*. https://doi.org/10.1186/s12906-020-02975-8

Ncube, B., Finnie, J. F., and Van Staden, J. (2012). Quality from the field: The impact of environmental factors as quality determinants in medicinal plants. *South African Journal of Botany*, *82*, 11–20. https://doi.org/10.1016/j.sajb.2012.05.009

Nurcholis, W., Alfadzrin, R., Izzati, N., Arianti, R., Vinnai, B. Á., Sabri, F., Kristóf, E., and Artika, I. M. (2022). Effects of Methods and Durations of Extraction on Total Flavonoid and Phenolic Contents and Antioxidant Activity of Java Cardamom (Amomum compactum Soland Ex Maton) Fruit. *Plants*, *11*(17), 1–13. https://doi.org/10.3390/plants11172221

Nurmaya, V. F. (2020). PENGARUH EKSTRAK ETANOLIK DAUN TAPAK LIMAN (Elephantopus scaber) SEBAGAI AGEN ANTIKANKER PADA SEL KANKER PAYUDARA T47D. *Universitas Brawijaya*.

Patel, S., Raulji, A., Patel, D., Panchal, D., Dalwadi, M., and Upadhyay, U. (2022). A Review on "Uv Visible Spectroscopy." *International Journal of Pharmaceutical Research and Applications*, *07*(05), 1144–1151. https://doi.org/10.35629/7781-070511441151

Pérez, M., Dominguez-López, I., and Lamuela-Raventós, R. M. (2023). The Chemistry Behind the Folin-Ciocalteu Method for the Estimation of (Poly)phenol Content in Food: Total Phenolic Intake in a Mediterranean Dietary Pattern. *Journal of Agricultural and Food Chemistry*, *71*(46), 17543–17553. https://doi.org/10.1021/acs.jafc.3c04022

Perkasa, A. Y. (2023). ANTİOKSİDAN BİLEŞİKLER KAYNAĞI OLARAK BINAHONG BİTKİSİ (Anredera cordifolia (TEN.) STEENIS). *Erciyes Tarım ve Hayvan Bilimleri Dergisi*. https://doi.org/10.55257/ethabd.1254516

Petchang, R. (2019). Enhancement of the enzymatic and non-enzymatic antioxidant activities of cultured Sauropus androgynus L. Merr. shoots treated with UV-C irradiation. *Walailak Journal of Science and Technology*, *16*(11), 867–873. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071360174&partnerID=40&md5=6ac1dcefe3b30d93d33d6c361021a62c

Phuyal, N., Jha, P., Raturi, P., and Rajbhandary, S. (2020). Total Phenolic, Flavonoid Contents, and Antioxidant Activities of Fruit, Seed, and Bark Extracts of Zanthoxylum armatum DC. *The Scientific World Journal*, *2020*.

https://doi.org/10.1155/2020/8780704

Pietta, P.-G. (2000). Flavonoids as Antioxidants. *Journal of Natural Products*, *63*(7), 1035–1042. https://doi.org/10.1021/np9904509

Platzer, M., Kiese, S., Herfellner, T., Schweiggert-Weisz, U., and Eisner, P. (2021). How does the phenol structure influence the results of the folin-ciocalteu assay? *Antioxidants*, *10*(5), 1–13. https://doi.org/10.3390/antiox10050811

Poudel, M., and Rajbhandari, M. (2020). Phytochemical Analysis of Ampelopteris Prolifera (Retzius) Copeland. *Nepal Journal of Science and Technology*, *19*, 78–88. https://doi.org/10.3126/njst.v19i1.29786

Prabowo, R., Heningtyas, Y., Yusman, M., Iqbal, M., Dwi, O., and Wulansari, E. (2021). Klasifikasi Image Tumbuhan Obat (Keji Beling) Menggunakan Artificial Neural Network. *Jurnal Komputasi*, *9*(2), 88–92.

Prior, R. L., Wu, X., and Schaich, K. (2005). Standardized methods for the determination of antioxidant capacity and phenolics in foods and dietary supplements. *Journal of Agricultural and Food Chemistry*, *53*(10), 4290–4302. https://doi.org/10.1021/jf0502698

Rachmadiarti, F., Dewi, S. K., Asri, M. T., and Soegianto, A. (2019). Total phenolic and flavonoid contents of elephantopus scaber and ageratum conyzoides (Asteraceae) leaves extracts from various altitude habitats. *Ecology, Environment and Conservation*, *25*, S106–S113. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071093288&partnerID=40&md5=4afe83dc67780bb9764933213da08415

Ramadhani, V., Rusdi, R., Azizah, Z., and Rivai, H. (2021). Overview of Phytochemicals and Pharmacological Activity of Keji Beling Plant (Strobilanthes crispus Bl.). *International Journal of Pharmaceutical Sciences and Medicine*, *6*(7), 25–39. https://doi.org/10.47760/ijpsm.2021.v06i07.003

Raposo, F., Borja, R., and Gutiérrez-González, J. A. (2024). A comprehensive and critical review of the unstandardized Folin-Ciocalteu assay to determine the total content of polyphenols: The conundrum of the experimental factors and method validation. *Talanta*, *272*(November 2023). https://doi.org/10.1016/j.talanta.2024.125771

Rice-Evans, C. A., Miller, N. J., and Paganga, G. (1996). Structure-antioxidant activity relationships of flavonoids and phenolic acids. *Free Radical Biology and Medicine*, *20*(7), 933–956. https://doi.org/https://doi.org/10.1016/0891-5849(95)02227-9

Rodríguez-arce, E., and Saldías, M. (2021). Biomedicine & Pharmacotherapy

Antioxidant properties of flavonoid metal complexes and their potential inclusion in the development of novel strategies for the treatment against neurodegenerative diseases. *Biomedicine & Pharmacotherapy*, *143*(September), 112236. https://doi.org/10.1016/j.biopha.2021.112236

Sadeer, N. B., Montesano, D., Albrizio, S., Zengin, G., and Mahomoodally, M. F. (2020). The versatility of antioxidant assays in food science and safety—chemistry, applications, strengths, and limitations. *Antioxidants*, *9*(8), 1–39. https://doi.org/10.3390/antiox9080709

Safitri, A., and Wahlanto, P. (2023). Phytochemical Analysis of Flavonoids and Tannins from Ethanol Extract of Keji Beling (Strobilanthes crispus) Using UV-Vis Spectrophotometry Method. *Ad-Dawaa : Journal of Pharmacy*, *1*(2), 87–92. https://doi.org/10.52221/dwj.v1i2.413

Santoso, P. N. C., Sari, N. L. P. E. K., and Dewi, S. R. (2024). Antibacterial activity of Balinese Traditional Herbs Elephantopus Scaber Linn and Curcuma aeruginosa Roxb against Burkholderia pseudomallei, Staphylococcus aureus, and Salmonella typhimurium. *Intisari Sains Medis*. https://doi.org/10.15562/ism.v15i2.2090

Sarker, U., and Oba, S. (2020). Phenolic profiles and antioxidant activities in selected drought-tolerant leafy vegetable amaranth. *Scientific Reports*, *10*(1), 1–11. https://doi.org/10.1038/s41598-020-71727-y

Septaningsih, D. A., Yunita, A., Putra, C. A., Suparto, I. H., Achmadi, S. S., Heryanto, R., and Rafi, M. (2021). Phenolics profiling and free radical scavenging activity of annona muricata, gynura procumbens, and typhonium flagelliforme leaves extract. *Indonesian Journal of Chemistry*, *21*(5), 1140–1147. https://doi.org/10.22146/IJC.62124

Shahlehi, S., Azizi, A., Tengah, A., Amdani, S. N., and Petalcorin, M. I. R. (2020). Anti-hypertensive vasodilatory action of Gynura procumbens mediated by kaempferol 3-O-rutinoside. *F1000Research*, *9*, 1226. https://doi.org/10.12688/f1000research.25613.1

Shraim, A. M., Ahmed, T. A., Rahman, M., and Hijji, Y. M. (2021a). Determination of total flavonoid content by aluminum chloride assay : A critical evaluation. *LWT*, *150*(April), 111932. https://doi.org/10.1016/j.lwt.2021.111932

Shraim, A. M., Ahmed, T. A., Rahman, M. M., and Hijji, Y. M. (2021b). Determination of total flavonoid content by aluminum chloride assay: A critical evaluation. *Lwt*, *150*(April), 111932. https://doi.org/10.1016/j.lwt.2021.111932

Siallagan, J., Kano, C. P., Yabansabra, Y., Pramesti, S. A., Fitriyana, D., Siregar,

J., Cionita, T., and Guterres, N. (2024). Formulation and Evaluation of Face Moisturizing Cream from Katuk Leaf Extract (Sauropus Androgynus Merr). *Jurnal Bahan Alam Terbarukan*. https://doi.org/10.15294/jbat.v13i1.50297

Sochorová, L., Prusova, B., Juríková, T., Mlček, J., Adámková, A., Baroň, M., and Sochor, J. (2020). The Study of Antioxidant Components in Grape Seeds. *Molecules*, *25*. https://doi.org/10.3390/molecules25163736

Solyom, A. M., Betz, J. M., Brown, P. N., Bzhelyansky, A., Chrisafis, N., Embuscado, M. E., Figore, H., Johnson, H. E., Joseph, G., Kennedy, D. C., Kuszak, A., Mudge, E., Phillips, M. M., Phillips, T., Richards, L. D., Rimmer, C. A., Sauza, B., Schaneberg, B. T., Skamarack, J., … Coates, S. G. (2016). AOAC SMPR® 2016.003. *Journal of AOAC INTERNATIONAL*, *99*(4), 1102–1104. https://doi.org/10.5740/jaoacint.SMPR2016.003

Souhoka, F., Kapelle, I., and Sihasale, E. (2021). *Phytochemical and Antioxidant Test of Binahong (Anredera cordifolia (Tenore) Steenis) Leaves Ethanol Extract*. *6*, 28. https://doi.org/10.37033/FJC.V6I1.248

Sukendi, Y., Rafi, M., Silviani, D., and Wahyuni, W. T. (2025). Traditional Uses, Biological Activities, and Phytochemical Profile of Keji Beling (Strobilanthes crispus) Leaf Extract: A Review. *Jurnal Jamu Indonesia*, *10*(1), 40–48. https://doi.org/10.29244/jji.v10i1.305

Sulastri, L., Lestari, R. M., and Simanjuntak, P. (2021). Isolasi Dan Identifikasi Senyawa Kimia Monoterpen Dari Fraksi Etilasetat Daun Keji Beling (Strobilanthes crispa (L.) Blume) Yang Mempunyai Daya Sitotoksik. *Jurnal Fitofarmaka Indonesia*, *8*(1), 12–17. https://doi.org/10.33096/jffi.v8i1.721

Supriningrum, R., Nurhasnawati, H., and Faisah, S. (2020). PENETAPAN KADAR FENOLIK TOTAL EKSTRAK ETANOL DAUN SERUNAI (Chromolaena odorata L.) DENGAN METODE SPEKTROFOTOMETRI UV-Vis. *Al Ulum Jurnal Sains Dan Teknologi*, *5*(2), 54. https://doi.org/10.31602/ajst.v5i2.2802

Tan, H. M., Leong, K. H., Song, J., Mohd Sufian, N. S. F., Mohd Hazli, U. H. A., Chew, L. Y., and Kong, K. W. (2020). Antioxidant and LC-QToF-MS/MS analysis of polyphenols in polar and non-polar extracts from Strobilanthes crispus and Clinacanthus nutans. *International Food Research Journal*, *27*(5), 903–914. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096907858&partnerID=40&md5=15c3244ce68bad0d5b7ae1e5ed906623

Tedjakusuma, F., and Lo, D. (2022). Functional properties of Anredera cordifolia (Ten.) Steenis: A review. *IOP Conference Series: Earth and Environmental Science*, *998*(1). https://doi.org/10.1088/1755-1315/998/1/012051

Teoh, W. Y., Wahab, N. A., Richardson, J. S. M., and Sim, K. S. (2016).

Evaluation of antioxidant properties, cytotoxicity and acute oral toxicity of Gynura procumbens (Compositae). *Sains Malaysiana*, *45*(2), 229–235.

Torres, P., Osaki, S., Silveira, E., dos Santos, D. Y. A. C., and Chow, F. (2024). Comprehensive evaluation of Folin-Ciocalteu assay for total phenolic quantification in algae (Chlorophyta, Phaeophyceae, and Rhodophyta). *Algal Research*, *80*(July 2023). https://doi.org/10.1016/j.algal.2024.103503

Wabaidur, S. M., Obbed, M. S., Alothman, Z. A., Alfaris, N. A., Badjah-hadj-ahmed, A. Y., Siddiqui, M. R., Altamimi, J. Z., and Aldayel, T. S. (2020). *Total phenolic acids and flavonoid contents determination in Yemeni honey of various floral sources : Folin-Ciocalteu and spectrophotometric approach*. *2061*(December), 647–652.

Warnis, M., and Angelina, E. (2022). Perbandingan Kadar Flavonoid Total Ekstrak Daun Sambung Nyawa (Gynura procumbens L.) dari Simplisia dengan Metode Pengeringan yang Berbeda. *Journal of Pharmaceutical and Health Research*, *3*(3), 88–94. https://doi.org/10.47065/jharma.v3i3.2772

Weng, J., Lynch, J., Matos, J., and Dudareva, N. (2021). Adaptive mechanisms of plant specialized metabolism connecting chemistry to function. *Nature Chemical Biology*, *17*, 1037–1045. https://doi.org/10.1038/s41589-021-00822-6

Widiyana, A. P., and Illian, D. N. (2022). Phytochemical Analysis and Total Flavonoid Content on Ethanol and Ethyl Acetate Extract From Neem (Azadirachta Indica Juss.) Leaves Utilizing Uv–Vis Spectrophotometric. *Jurnal Farmasi Sains Dan Praktis*, *8*(1), 71–77. https://doi.org/10.31603/pharmacy.v8i1.6582

Widyaningrum, I., Wibisono, N., and Kusumawati, A. (2020). *Effect of Extraction Method on Antimicrobial Activity Against Staphylococcus Aureus of Tapak Liman (Elephantopus Scaber L.) Leaves*. *3*, 105–110. https://doi.org/10.31295/IJHMS.V3N1.181

Xiao, Z., He, L., Hou, X., Wei, J., Ma, X., Gao, Z., Yuan, Y., Xiao, J., Li, P., and Yue, T. (2021). *Relationships between Structure and Antioxidant Capacity and Activity of Glycosylated Flavonols*. 1–14.

Xu, W., Cheng, Y., Guo, Y., Yao, W., and Qian, H. (2022). Effects of geographical location and environmental factors on metabolite content and immune activity of Echinacea purpurea in China based on metabolomics analysis. *Industrial Crops and Products*, *189*(1800), 115782. https://doi.org/10.1016/j.indcrop.2022.115782

Yolanda, D. E., Alfitra, A. F., Apriliana, T. W., Evvyernie, D., Rohaeni, E. S., Bakrie, B., Priyatno, T. P., Ahmad, S. N., and Affif, U. (2024). Study of

Binahong Leaves (Anredera cordifolia (Ten.) Steenis) Potency as an Herbal Feed Additive for Lactating Dairy Animals. *IOP Conference Series: Earth and Environmental Science*, *1359*(1). https://doi.org/10.1088/1755-1315/1359/1/012114

Zeng, Y., Song, J., Zhang, M., Wang, H., Zhang, Y., and Suo, H. (2020). *Comparison of In Vitro and In Vivo Antioxidant Activities of Six Flavonoids with Similar Structures*.

Zhou, Z., Deng, Z., Liang, S., Zou, X., Teng, Y., Wang, W., and Fu, L. (2023). Quantitative Analysis of Flavonoids in Fruiting Bodies of Sanghuangporus Using Ultra-High-Performance Liquid Chromatography Coupled with Triple Quadrupole Mass Spectrometry. *Molecules*, *28*(13). https://doi.org/10.3390/molecules28135166

Zulfisa, Ulfa, F., and Marjoni, M. R. (2024). Determination of Total Phenolic Content of Ethanol Extract of Black Turmeric Rhizome (Curcuma caesia Roxb.) by Folin-Ciocalteu Method Spectrophotometrically. *International Journal of Engineering, Science and Information Technology*, *4*(4), 24–28. https://doi.org/10.52088/ijesty.v4i4.561

Zulkifli, S. A., Salwa, S., Gani, A., and Zaidan, U. H. (2020). Contents of Defatted Pitaya (Hylocereus polyrhizus). *Molecules*, 1–17.