

## DAFTAR PUSTAKA

- Adoui, N., Bendif, H., Haouame, I., Cam, D., Rebbas, K., Boufahja, F., Öztürk, M., & Garzoli, S. (2025). Unveiling the Phytochemical Profiling by Chromatographic and Spectrometric Techniques and the Bioactive Potential of *Rumex vesicarius* L. *Food Analytical Methods*, 18(7), 1465–1482. <https://doi.org/10.1007/s12161-025-02796-w>
- Aina Urfiyya, Q. (2022). REVIEW : MEKANISME EKSTRAK SELEDRI (*Apium graveolens* L) SEBAGAI ANTIHIPERTENSI. *Forte Journal*, 2(1), 74–82. <https://doi.org/10.51771/fj.v2i1.280>
- Alfira, K., Yusasrini, N. L. A., Diah Puspawati, G. A. K., Studi, P., Pangan, T., Pertanian, T., Kampus, U., Jimbaran, B., -Bali, B., Luh, N., & Yusasrini, A. (2023). Pengaruh Suhu dan Waktu Pengeringan terhadap Karakteristik Teh Herbal Daun Mimba (*Azadirachta indica* A. Juss). *Kanza Alfira Dkk / Itepa*, 12(2), 2023–2293.
- Allais, F., Ducrot, P.-H., Rostagno, M. A., Chaves, J. O., Corrêa De Souza, M., Capelasso Da Silva, L., Lachos-Perez, D., Torres-Mayanga, P. C., Paula Da Fonseca Machado, A., Forster-Carneiro, T., Vázquez-Espinosa, M., Velasco González-De-Peredo, A., & Fernández Barbero, G. (2020). Article 507887 and Rostagno MA (2020) Extraction of Flavonoids From Natural Sources Using Modern Techniques. *Front. Chem*, 8, 507887. <https://doi.org/10.3389/fchem.2020.507887>
- Al-Qudah, M. A., Al-Jaber, H. I., Abu Orabi, F. M., Hasan, H. S., Aldahoun, A. K., Alhamzani, A. G., Alakhras, A. I., Bataineh, T. T., Rawashdeh, A. M. M., & Abu-Orabi, S. T. (2023). Unveiling the Impact of Drying Methods on Phytochemical Composition and Antioxidant Activity of *Anthemis palestina*. *Plants*, 12(22), 3914. <https://doi.org/10.3390/PLANTS12223914/S1>
- Amanda Putri, A., Sitinjak, J. M., Rizki Ndraha, A. H., Herlinawati, E. N., Ana, M., Turrahmi, A., Diansari Marbun, E., & Thaib, C. M. (2025). STANDARDISASI SIMPLISIA HERBA CIPLUKAN (*Physalis angulata* L.). *JURNAL TEKNOLOGI KESEHATAN DAN ILMU SOSIAL (TEKESNOS)*, 7(1), 65–79. <https://doi.org/10.51544/tekesnos.v7i1.6205>
- Anwar, I., Indradewi Armadany, F., & Malina, R. (2024). BioWallacea: Jurnal Penelitian Biologi. In *Journal of Biological Research* (Vol. 11, Number 1).
- Arora, S., Santiago, J. A., Bernstein, M., & Potashkin, J. A. (2023). Diet and lifestyle impact the development and progression of Alzheimer's dementia. *Frontiers in Nutrition*, 10, 1213223. <https://doi.org/10.3389/fnut.2023.1213223>

- Astha, E., Agus, D., & Tan, F. (2025). *Standardization of cultivated javanese turmeric ( curcuma xanthorrhiza ) simplicia and extract for the development of herbal medicine production*. 7(May 2024), 661–673.
- Azisah, N., Diana, ), Pratiwi, E., & Dini, I. (2025). *Identifikasi Senyawa Flavonoid Pada Ekstrak Metanol Seledri (Apium graveolens L) dan Uji Toksisitas Terhadap Artemia Salina Leach Identification of Flavonoid Compounds in Methanol Extract of Celery (Apium graveolens L) and Toxicity Test Against Artemia Salina Leach 1)* (Vol. 26).
- Azwanida. (2015). A Review on the Extraction Methods Use in Medicinal Plants, Principle, Strength and Limitation. *Medicinal & Aromatic Plants*, 04(03). <https://doi.org/10.4172/2167-0412.1000196>
- Badan Pusat Statistik. (2024). *Badan Pusat Statistik Kabupaten Malang*. <https://malangkab.bps.go.id/id>
- Bhadange, Y. A., Carpenter, J., & Saharan, V. K. (2024). A Comprehensive Review on Advanced Extraction Techniques for Retrieving Bioactive Components from Natural Sources. In *ACS Omega* (Vol. 9, Number 29, pp. 31274–31297). American Chemical Society. <https://doi.org/10.1021/acsomega.4c02718>
- Biondi, F., Santos, G. M., Rodríguez, P. R., & Sosa, P. A. (2024). Longevity Estimates of Canary Palms and Dragon Trees via Radiocarbon Dating: Initial Results. *Plants*, 13(1). <https://doi.org/10.3390/plants13010045>
- BPOM. (2023). *BPOM Keamanan dan Mutu Obat*. [www.peraturan.go.id](http://www.peraturan.go.id)
- Chougule, S. B., Jivaje, A. B., Mannur, V. S., & Suryawanshi, S. S. (2022). VALIDATED SPECTROSCOPIC AND CHROMATOGRAPHIC TECHNIQUES FOR QUALITY CONTROL ANALYSIS OF APIGENIN IN HERBAL MEDICINES. *International Journal of Pharmaceutical Sciences and Research*, 13(12), 4857. [https://doi.org/10.13040/IJPSR.0975-8232.13\(12\).4857-64](https://doi.org/10.13040/IJPSR.0975-8232.13(12).4857-64)
- Cleminte, C. I., Ionita, D., Lisa, C., Cristea, M., Mamaligă, I., & Lisa, G. (2022). Evaluation of the Sublimation Process of Some Purine Derivatives: Sublimation Rate, Activation Energy, Mass Transfer Coefficients and Phenomenological Models. *Materials* 2022, Vo L. 15, Page 7376, 15(20), 7376. <https://doi.org/10.3390/MA15207376>
- Custodio-Mendoza, J. A., Pokorski, P., Aktaş, H., Napiórkowska, A., & Kurek, M. A. (2024). Advances in Chromatographic Analysis of Phenolic Phytochemicals in Foods: Bridging Gaps and Exploring New Horizons. In *Foods* (Vol. 13, Number 14). Multidisciplinary Digital Publishing Institute (MDPI). <https://doi.org/10.3390/foods13142268>

- Dian, E., Marbun, S., Safitri, A., Emmas, G., Panjaitan, S., Simamarta, N. M., Harefa, N. F., & Nabilla, S. (2025). *STANDARDISASI PARAMETER SPESIFIK DAN NON SPESIFIK SIMPLISIA HERBA SURUHAN (PEPEROMIA PELLUCIDA L.)*. <https://jicnusantara.com/index.php/jiic>
- Djati Wulan Kusumo. (2024). *Review Article Application of Modern Extraction Methods to Extract Phenolic Compounds from Natural Products*.
- Fahmi, N., Herdiana, I., & Rubiyanti, R. (2019). *PENGARUH METODE PENGERINGAN TERHADAP MUTU SIMPLISIA DAUN PULUTAN (Urena lobata L.) THE EFFECT OF DRYING METHOD ON THE QUALITY OF LEAF SIMPLISIA PULUTAN (Urena lobata L.)*.
- Fan, Y., Li, X., Ding, L., Zhou, W., Xu, G., Wang, Y., Zhang, Y., & Ni, Q. (2021). Accelerated solvent extraction of antioxidant compounds from gardeniae fructus and its acetylcholinesterase inhibitory and pc12 cell protective activities. *Foods*, 10(11). <https://doi.org/10.3390/foods10112805>
- Gaikwad, R. K., Mondal, I. H., Dash, K. K., shaikh, A. M., & Béla, K. (2025). Effectiveness of sustainable oil extraction techniques: A comprehensive review. *Journal of Agriculture and Food Research*, 19, 101546. <https://doi.org/10.1016/J.JAFR.2024.101546>
- Gil-Martín, E., Forbes-Hernández, T., Romero, A., Cinciosi, D., Giampieri, F., & Battino, M. (2022). Influence of the extraction method on the recovery of bioactive phenolic compounds from food industry by-products. In *Food Chemistry* (Vol. 378). Elsevier Ltd. <https://doi.org/10.1016/j.foodchem.2021.131918>
- Gori, A., Boucherle, B., Rey, A., Rome, M., Fuzzati, N., Peuchmaur, M., & Author, C. (2020). *Development of an innovative maceration technique to optimize extraction and phase partition of natural products*.
- Haider, M. W., Sharma, A., Majumdar, A., Fayaz, F., Bromand, F., Rani, U., Singh, V. K., Saharan, M. S., Tiwari, R. K., Lal, M. K., & Kumar, R. (2024). Unveiling the phloem: a battleground for plant pathogens. In *Phytopathology Research* (Vol. 6, Number 1). BioMed Central Ltd. <https://doi.org/10.1186/s42483-024-00286-1>
- Haryadi, I., & Hidayati, N. (2018). Ekstraksi Zat Warna Dari Daun Jambu Biji Australia (Psidium Guajava L). *Indonesia Journal of Halal*, 1(2), 97. <https://doi.org/10.14710/halal.v1i2.4180>
- Herbal Extract Market. (2023). *Herbal Extract Market Size, Share & Growth Report, 2030*. <https://www.grandviewresearch.com/industry-analysis/herbal-extract-market-report>

- Hidayatullah, M., Yuwono, M., & Primaharinastiti, R. (2022). Optimization Method and Stability Test to Determinate Luteolin, Quercetin, Apigenin, and Sinensetin Levels in Herbal Medicines Using TLC-Densitometry. *JURNAL FARMASI DAN ILMU KEFARMASIAN INDONESIA*, 9(3), 235–241. <https://doi.org/10.20473/JFIKI.V9I32022.235-241>
- Inprasit, J., Ruangnoo, S., Itharat, A., Makchuchit, S., & Pipatrattanaseree, W. (2024). Quality Control and Evaluation of Anti-inflammatory and Antioxidant Activities of Ethanolic Extracts from Ha-Rak remedy, Piper betle Linn., *Garcinia mangostana* Linn., and Their Combined Remedies. *Asian Medical Journal and Alternative Medicine*, 24, 33–44. <https://doi.org/10.70933/2773-9465.1048>
- Jannah, M. M., Wijaya, S., & Kurnia Setiawan, H. (2021). *JOURNAL OF PHARMACY SCIENCE AND PRACTICE I VOLUME 8 I NUMBER 1 I FEBRUARI 2021*.
- Kementrian, K. (2017). *Farmakope Herbal Indonesia Edisi II Tahun 2017 | Direktorat Jenderal Farmasi dan Alat Kesehatan*. <https://farmalkes.kemkes.go.id/2020/08/farmakope-herbal-indonesia-edisi-ii-tahun-2017-3/>
- Khalid, S., Chaudhary, K., Amin, S., Raana, S., Zahid, M., Naeem, M., Mousavi Khaneghah, A., & Aadil, R. M. (2024). Recent advances in the implementation of ultrasound technology for the extraction of essential oils from terrestrial plant materials: A comprehensive review. In *Ultrasonics Sonochemistry* (Vol. 107). Elsevier B.V. <https://doi.org/10.1016/j.ultsonch.2024.106914>
- Klongdee, S., & Klinkesorn, U. (2022). Optimization of accelerated aqueous ethanol extraction to obtain a polyphenol - rich crude extract from rambutan ( *Nephelium lappaceum* L .) peel as natural antioxidant. *Scientific Reports*, 1–12. <https://doi.org/10.1038/s41598-022-25818-7>
- Kristina Uli Pasaribu, R., Iqbal, M., Dwi Rahayu, I., & Triyandi, R. (2025). *PENGARUH PEMILIHAN PELARUT TERHADAP RENDEMEN EKSTRAK DAUN TEH HIJAU(CAMELLIA SINENSIS) MENGGUNAKAN METODE EKSTRAKSI MASERASI* (Vol. 3, Number 5).
- Lay Mar, T. (2022). *Phytochemical Investigation on the Leaves of Apium graveolens* L.
- Leaves, N. (2020). *Accelerated Solvent Extraction as a Green Tool for the Recovery of Polyphenols and Pigments from Wild*.
- Lee, J. E., Jayakody, J. T. M., Kim, J. Il, Jeong, J. W., Choi, K. M., Kim, T. S., Seo, C., Azimi, I., Hyun, J. M., & Ryu, B. M. (2024). The Influence of Solvent Choice on the Extraction of Bioactive Compounds from

- Asteraceae: A Comparative Review. *Foods*, 13(19), 3151. <https://doi.org/10.3390/FOODS13193151/S1>
- Li, M. Y., Feng, K., Hou, X. L., Jiang, Q., Xu, Z. S., Wang, G. L., Liu, J. X., Wang, F., & Xiong, A. S. (2020). The genome sequence of celery *Apium graveolens* L., an important leaf vegetable crop rich in apigenin in the Apiaceae family. *Horticulture Research*, 7(1), 1–10. <https://doi.org/10.1038/S41438-019-0235-2;SUBJMETA>
- Liu, K. (2022a). New and improved methods for measuring acid insoluble ash. *Animal Feed Science and Technology*, 288, 115282. <https://doi.org/10.1016/j.anifeedsci.2022.115282>
- Liu, K. (2022b). New and improved methods for measuring acid insoluble ash. *Animal Feed Science and Technology*, 288, 115282. <https://doi.org/10.1016/j.anifeedsci.2022.115282>
- López-Salazar, H., Camacho-Díaz, B. H., Arenas Ocampo, M. L., & Jiménez-Aparicio, A. R. (2023). Microwave-assisted Extraction of Functional Compounds from Plants: A Review. *BioResources*, 18(3), 6614–6638. <https://doi.org/10.15376/biores.18.3.Lopez-Salazar>
- Luksta, I., & Spalvins, K. (2023). Methods for Extraction of Bioactive Compounds from Products: A Review. *Environmental and Climate Technologies*, 27(1), 422–437. <https://doi.org/10.2478/RTUECT-2023-0031>
- Lv, Z., Zhao, W., Kong, S., Li, L., & Lin, S. (2023). Overview of molecular mechanisms of plant leaf development: a systematic review. In *Frontiers in Plant Science* (Vol. 14). Frontiers Media SA. <https://doi.org/10.3389/fpls.2023.1293424>
- Ma, D., Guo, Y., Ali, I., Lin, J., Xu, Y., & Yang, M. (2024a). Accumulation characteristics of plant flavonoids and effects of cultivation measures on their biosynthesis: A review. *Plant Physiology and Biochemistry*, 215, 108960. <https://doi.org/10.1016/j.plaphy.2024.108960>
- Ma, D., Guo, Y., Ali, I., Lin, J., Xu, Y., & Yang, M. (2024b). Accumulation characteristics of plant flavonoids and effects of cultivation measures on their biosynthesis: A review. *Plant Physiology and Biochemistry*, 215, 108960. <https://doi.org/10.1016/j.plaphy.2024.108960>
- Ma, D., Guo, Y., Ali, I., Lin, J., Xu, Y., & Yang, M. (2024c). Accumulation characteristics of plant flavonoids and effects of cultivation measures on their biosynthesis: A review. *Plant Physiology and Biochemistry*, 215, 108960. <https://doi.org/10.1016/j.plaphy.2024.108960>
- Makarova, E. I., Bokov, D. O., Sergunova, E. V., Chevadaev, V. V., Kakhramanova, S. D., Bessonov, V. V., Friesen, N. V., & Luferov, A. N.

- (2022). *Apium graveolens* L.: A Phytochemical and Pharmacological Review. *Research Journal of Pharmacy and Technology*, 15(2), 927–934. <https://doi.org/10.52711/0974-360X.2022.00155>
- Malini, G., Saranya, B., & Parameswari, A. (2023). Review on extraction techniques for medicinal and aromatic plants. *International Journal of Pharmaceutical Chemistry and Analysis*, 10(4), 253–256. <https://doi.org/10.18231/J.IJPCA.2023.042>
- Mannoubi, I. El. (2023). Impact of different solvents on extraction yield , phenolic composition , in vitro antioxidant and antibacterial activities of deseeded *Opuntia stricta* fruit. *Journal of Umm Al-Qura University for Applied Sciences*, 9(2), 176–184. <https://doi.org/10.1007/s43994-023-00031-y>
- Martina, Samsuri, Merdana, I. M., Sudira, I. W., & Jayanti, P. D. (2025). DETERMINATION OF NON-SPECIFIC AND SPECIFIC QUALITY PARAMETERS OF MARIGOLD SIMPLICIA AS A RAW MATERIAL FOR MEDICINAL PREPARATIONS. *Buletin Veteriner Udayana*, 855–864. <https://doi.org/10.24843/bulvet.2025.v17.i03.p31>
- Maslahah, N. (2024). *STANDAR SIMPLISIA TANAMAN OBAT SEBAGAI BAHAN SEDIAAN HERBAL* (Vol. 2, Number 2). <https://poltekkespim.ac.id>
- Massarioli, A. P., de Alencar, S. M., Siqueira, A. F., de Melo, M. P., Vidigal, I. G., & Ferreira, A. L. G. (2023). Evaluation of the Quality and Antioxidant Activity of Dehydrated Medicinal Herbs. *Horticulturae* 2023, Vo L. 9, Page 597, 9(5), 597. <https://doi.org/10.3390/HORTICULTURAE9050597>
- Megawati, S., Fhatonah, N., & Wati, N. (2023). *THE EFFECTIVENESS TEST OF 70% ETHANOL EXTRACT RED GINGER LEAVES (Zingiber officinale Roscoe) AS A DIURETIC ON MALE WHITE RAT (Rattus Norvegicus) SPRAGUE DAWLEY STRAIN.* (1). <https://doi.org/10.47653/farm.v10i1.647>
- Menaka, C. (2023). Physicochemical parameters, phytochemical screening and qualitative analysis of inorganic nutrients of *Persicaria glabra* (Willd.) Gomez de la Maza. ~ 121 ~ *Journal of Pharmacognosy and Phytochemistry*, 12(1), 121–124. <https://www.phytojournal.com>
- MMI. (1977). *Materia Medika Bagian I* | PDF. <https://id.scribd.com/doc/311175424/Materia-Medika-Bagian-I>
- Mohammed, E. A., Abdalla, I. G., Alfawaz, M. A., Mohammed, M. A., Salah, A., Maiman, A., Osman, M. A., Yagoub, A. E. A., & Hassan, A. B. (2022). *pertanian Pengaruh Pelarut Ekstraksi terhadap Kandungan Fenolik*

*Total , Kandungan Flavonoid Total , dan Aktivitas Antioksidan pada Bagian Atas Sayuran Akar.*

- Mukti, S. P., Ermayanti, E., & Susanti, R. (2022). Representasi 3D Jaringan Epidermis dan Stomata Daun Beberapa Jenis Tumbuhan Suku Apocynaceae serta Sumbangannya pada Pembelajaran Biologi SMA. *BIOEDUSAINS:Jurnal Pendidikan Biologi Dan Sains*, 5(1), 170–181. <https://doi.org/10.31539/bioedusains.v5i1.3732>
- Mungwari, C. P., King'onde, C. K., Sigauke, P., & Obadele, B. A. (2025). Conventional and modern techniques for bioactive compounds recovery from plants: Review. *Scientific African*, 27, e02509. <https://doi.org/10.1016/J.SCIAF.2024.E02509>
- Naghneh, N. S., Rafiei, F., Shahbazi, E., & Gheisari, M. M. (2023). Variation of volatile compounds in celery through different vegetative stages. *Plant Physiology Reports*, 28(3), 476–480. <https://doi.org/10.1007/s40502-023-00744-6>
- Nortjie, E., Basitere, M., Moyo, D., & Nyamukamba, P. (2022). Extraction Methods, Quantitative and Qualitative Phytochemical Screening of Medicinal Plants for Antimicrobial Textiles: A Review. In *Plants* (Vol. 11, Number 15). MDPI. <https://doi.org/10.3390/plants11152011>
- Nouioura, G., El fadili, M., Ghneim, H. K., Zbadi, L., Maache, S., Zouirech, O., Danouche, M., Aboul-Soud, M. A. M., Giesy, J. P., Lyoussi, B., & Derwich, E. (2024). Exploring the essence of celery seeds *Apium graveolens* L.: Innovations in microwave-assisted hydrodistillation for essential oil extraction using in vitro, in vivo and in silico studies. *Arabian Journal of Chemistry*, 17(5), 105726. <https://doi.org/10.1016/J.ARABJC.2024.105726>
- Patel, L., Shah, D., Bhavsar, P., Patel, Z., & Shah, Z. (2023). Thin layer chromatography-densitometric method for quantification of apigenin, oleanolic acid, and  $\beta$ -sitosterol in clerodendrum serratum (Bharangi) root extract. *Separation Science Plus*, 6(8), 2300038. <https://doi.org/10.1002/SSCP.202300038>;WEBSITE:WEBSITE:ANALYTICALSCIENCEJOURNALS;REQUESTEDJOURNAL:JOURNAL:25731815;WGROU:STRING:PUBLICATION
- Patra, A., Abdullah, S., & Pradhan, R. C. (2022). Review on the extraction of bioactive compounds and characterization of fruit industry by-products. *Bioresources and Bioprocessing*, 9(1), 1–25. <https://doi.org/10.1186/S40643-022-00498-3/TABLES/3>
- Peng, T., Ning, Z., & Yang, H. (2022). Embodied CO2 in China's trade of harvested wood products based on an MRIO model. *Ecological Indicators*, 137. <https://doi.org/10.1016/j.ecolind.2022.108742>

- Prasetya, F., Salam, S., Rashif Rijai, H., Kuncoro, H., Rusli, R., Rahmadani, A., Anshory Tamhid, H., Harjunowibowo, D., Ahmad, I., & Rijai, L. (2022). Pharmacognostic Profile of Simplicia and Ethanolic Leaves Extract from Indonesian Piper betle var. nigr. *Pharmacognosy Journal*, 14(5), 610–618. <https://doi.org/10.5530/pj.2022.14.143>
- Putra, N. R., Yustisia, Y., Heryanto, R. B., Asmaliyah, A., Miswarti, M., Rizkiyah, D. N., Yunus, M. A. C., Irianto, I., Qomariyah, L., & Rohman, G. A. N. (2023). Advancements and challenges in green extraction techniques for Indonesian natural products: A review. In *South African Journal of Chemical Engineering* (Vol. 46, pp. 88–98). Elsevier B.V. <https://doi.org/10.1016/j.sajce.2023.08.002>
- Putri, A. D. A. R., & Astuti, K. W. (2023). Pemanfaatan Senyawa Apigenin Bunga Chamomile (*Matricaria recutita* L.) dalam Sediaan Farmasi Nutrasietikal untuk Meningkatkan Kualitas Tidur. *Prosiding Workshop Dan Seminar Nasional Farmasi*, 2, 162–173. <https://doi.org/10.24843/WSNF.2022.V02.P13>
- Rahayu, M. D., Permatasari, D., Aji, G. K., Nurhadi, N., Kusumaningrum, S., Ngatinem, N., & Himawan, A. (2025). The Impact of 70% Ethanol Extract and Its Fractions on Phenolic Content, Flavonoid Content, and Antioxidant Potency of *Ardisia humilis* Vahl Leaves. *AIP Conference Proceedings*, 3248(1). <https://doi.org/10.1063/5.0236878>
- Rahmawati, A. N., Saryanti, D., Nurita Sari, F., & Yovita Turnip, I. (2022). Uji Cemaran Mikroba dan Kapang Khamir Ekstrak Air Daun Muntingia calabura L. (Kersen). *Pharmacon: Jurnal Farmasi Indonesia*, 19(1), 72–78. <https://doi.org/10.23917/pharmacon.v19i1.18304>
- Ravi Bhandari. (2025). *Indonesia Plant Extracts Market | Grow at 6.4% CAGR till 2031*. <https://www.6wresearch.com/industry-report/indonesia-plant-extracts-market-2020-2026>
- Rendowaty, A., Amalia, F., Zairah, P., Wahyuni, Y. S., Sarjana, P., Stifi, F., Pertiwi, B., Diploma, M. P., Stifi, T., & Sarjana, M. P. (2021). Karakteristik Simplisia, Aktivitas Antibakteri dan Kandungan Total Fenol Tisane Bunga Senduduk (*Melastoma malabathricum* L.). In *Jurnal Ilmiah Bakti Farmasi* (Vol. 2021, Number 2).
- Roek, E., Nurzyska-Wierdak, R., & Dzida, K. (2012). FACTORS MODIFYING YIELD QUANTITY AND QUALITY, AS WELL AS THE CHEMICAL COMPOSITION OF THE LEAVES OF LEAF CELERY *Apium graveolens* L.var. secalinum Alef. GROWN FROM SEEDLINGS. In *Acta Sci. Po L., Hortorum Cultus* (Vol. 11, Number 3).

- Saleh, M., & Aboody, A. (2021). Cytotoxic, antioxidant, and antimicrobial activities of Celery *Apium graveolens* L.. *Bioinformation*, 17(1), 147. <https://doi.org/10.6026/97320630017147>
- Sari, S. R., Elya, B., & Basah, K. (2020). Specific and non-specific parameters of simplicia and ethanolic extract of prasman leaves (Ayapana Triplinervis). *International Journal of Applied Pharmaceutics*, 12(Special Issue 1), 122–125. <https://doi.org/10.22159/ijap.2020.v12s1.FF026>
- Sawant, P., Ingle, N., Belavale, A., Shinde, A., Gunjal, A. A., & Kakade, R. T. (2025). Advanced Extraction Techniques for Herbal Drugs: A Comprehensive Review. *Research Journal of Pharmacognosy and Phytochemistry*, 229–234. <https://doi.org/10.52711/0975-4385.2025.00037>
- Saweng, C. F. I. J., Sudimartini, L. M., & Suartha, I. N. (2020). Uji Cemaran Mikroba pada Daun Mimba (*Azadirachta Indica* A. Juss) Sebagai Standardisasi Bahan Obat Herbal. *Indonesia Medicus Veterinus*, 9(2), 270–280. <https://doi.org/10.19087/imv.2020.9.2.270>
- Sembiring, B. B., Fanani, M. Z., Jumiono, A., Riset, B., Nasional, I., Pertanian, F., Djuanda, U., & Pangan, M. T. (2022a). PENGARUH TEKNOLOGI PENERINGAN TERHADAP MUTU SIMPLISIA SELEDRI. In *Jurnal Ilmiah Pangan Halal* (Vol. 4, Number 2).
- Sembiring, B. B., Fanani, M. Z., Jumiono, A., Riset, B., Nasional, I., Pertanian, F., Djuanda, U., & Pangan, M. T. (2022b). PENGARUH TEKNOLOGI PENERINGAN TERHADAP MUTU SIMPLISIA SELEDRI. In *Jurnal Ilmiah Pangan Halal* (Vol. 4, Number 2).
- Senduk, T. W., Montolalu, L. A. D. Y., & Dotulong, V. (2020). *The rendement of boiled water extract of mature leaves of mangrove Sonneratia alba*. 11. <https://ejournal.unsrat.ac.id/index.php/JPKT/index>
- Senge, Y. S., Mustafa, I., & Safitri, A. (2024). PHYTOCHEMICAL SCREENING AND ANTIBACTERIAL ACTIVITY OF ETHANOLIC EXTRACTS FROM *Delonix regia* AGAINST LABORATORY STRAINS OF DIARRHEAL BACTERIA. *Chemistry Education Study Program*, 9(1). <https://doi.org/10.20961/jkpk.v9i1.85374>
- Shalsyabillah, F., & Sari, K. (2023). Skrining Fitokimia serta Analisis Mikroskopik dan Makroskopik Ekstrak Etanol Daun Seledri *Apium graveolens* L.. *Health Information : Jurnal Penelitian*, 15(2), 1–9.
- Shen, L., Pang, S., Zhong, M., Sun, Y., Qayum, A., Liu, Y., Rashid, A., Xu, B., Liang, Q., Ma, H., & Ren, X. (2023). A comprehensive review of ultrasonic assisted extraction (UAE) for bioactive components: Principles, advantages, equipment, and combined technologies.

*Ultrasonics Sonochemistry*, *101*, 106646.  
<https://doi.org/10.1016/J.ULTSONCH.2023.106646>

- Silva, T. C., Bertolucci, S. K. V., Carvalho, A. A., Tostes, W. N., Alvarenga, I. C. A., Pacheco, F. V., de Assis, R. M. A., Honorato, A. da C., & Pinto, J. E. B. P. (2021). Macroelement omission in hydroponic systems changes plant growth and chemical composition of *Melissa officinalis* L. essential oil. *Journal of Applied Research on Medicinal and Aromatic Plants*, *24*. <https://doi.org/10.1016/j.jarmap.2021.100297>
- Snoussi, A., Essaidi, I., Ben Haj Koubaier, H., Zrelli, H., Alsafari, I., Živoslav, T., Mihailovic, J., Khan, M., El Omri, A., Ćirković Veličković, T., & Bouzouita, N. (2021). Drying methodology effect on the phenolic content, antioxidant activity of *Myrtus communis* L. leaves ethanol extracts and soybean oil oxidative stability. *BMC Chemistry*, *15*(1), 1–11. <https://doi.org/10.1186/S13065-021-00753-2/TABLES/3>
- Stephen, M. S., Adelakun, E. A., Kanus, J. H., & Gideon, M. M. (2020). Antioxidant Activities of Extracts from Celery Leaves (*Apium graveolens* L) Grown in Jos, Nigeria. *International Research Journal of Pure and Applied Chemistry*, *21*(4), 1–5. <https://doi.org/10.9734/irjpac/2020/v21i430160>
- Sun, Y., Li, M., Li, X., Du, J., Li, W., Lin, Y., Zhang, Y., Wang, Y., He, W., Chen, Q., Zhang, Y., Wang, X., Luo, Y., Xiong, A., & Tang, H. (2023). Characterization of Volatile Organic Compounds in Five Celery *Apium graveolens* L. Cultivars with Different Petiole Colors by HS-SPME-GC-MS. *International Journal of Molecular Sciences*, *24*(17). <https://doi.org/10.3390/ijms241713343>
- Szarek, N., Jaworska, G., & Hanus, P. (2024). Profile of Phenolic Compounds and Antioxidant Activity of Celery (*Apium graveolens*) Juices Obtained from Pulp after  $\alpha$ -Amylase Treatment from *Aspergillus oryzae*. *Molecules*, *29*(7). <https://doi.org/10.3390/molecules29071438>
- Tamantantri, A. B., Mulatasih, E. R., Farmasi, J., Kementrian, K., Tanjungkarang, K., Soekarno, J., No, H., & Lampung, B. (2025). Analisis Parameter Spesifik Dan Non Spesifik Simplisia Daun Cengkeh (*Syzygium aromaticum* L.) Analysis Of Specific And Non-Specific Parameters Of Clover Leaf Simplicia (*Syzygium aromaticum* L.).
- Tamboli, E. T., Chester, K., & Ahmad, S. (2015). Quality control aspects of herbs and botanicals in developing countries : *Coleus forskohlii* Briq a case study. 254–259. <https://doi.org/10.4103/0975-7406.168020>
- Trizayuni, R., Ardi, A., & Warnita, W. (2022). THE EFFECT OF SHADING AND NATURAL GROWTH REGULATORY SUBSTANCES ON

GROWTH AND APIGENIN CONTENT CELERY PLANTS *Apium graveolens* L.. *Jurnal Pertanian Agros*, 24(2).

- Upadhyay, P., Joshi, B. C., Sundriyal, A., & Mukhija, M. (2019). *Pharmacognostic Standardization and Physicochemical Evaluation of Caesalpinia crista L . Root for Quality Control Assessment*. <https://doi.org/10.4103/JNSM.JNSM>
- Usman, I., Hussain, M., Imran, A., Afzaal, M., Saeed, F., Javed, M., Afzal, A., Ashfaq, I., Al Jbawi, E., & A. Saewan, S. (2022). Traditional and innovative approaches for the extraction of bioactive compounds. *International Journal of Food Properties*, 25(1), 1215–1233. <https://doi.org/10.1080/10942912.2022.2074030>;WEBSITE:WEBSITE:TFOPB;PAGEGROUP:STRING:PUBLICATION
- Utami, M., Widiawati, Y., Hexa, D., Hidayah, A., & Mei, D. (2013). *Keragaman dan Pemanfaatan Simplisia Nabati yang Diperdagangkan di Purwokerto*.
- Wakhidah, A. Z. (2021). *SELEDRI Apium graveolens L.: BOTANI, EKOLOGI, FITOKIMIA, BIOAKTIVITAS, DAN PEMANFAATAN*.
- Wan, Y., Liu, J., Zhuang, Z., Wang, Q., & Li, H. (2024). Heavy Metals in Agricultural Soils: Sources, Influencing Factors, and Remediation Strategies. In *Toxics* (Vol. 12, Number 1). Multidisciplinary Digital Publishing Institute (MDPI). <https://doi.org/10.3390/toxics12010063>
- Wanderley, R. de O. S., Figueirêdo, R. M. F. de, Queiroz, A. J. de M., Santos, F. S. dos, Silva, A. P. de F., Paiva, Y. F., Moura, H. V., Silva, E. T. de V., Carvalho, A. J. de B. A., Lima, M. dos S., Campos, A. R. N., Gregório, M. G., & Lima, A. G. B. de. (2023). Effect of drying temperature on antioxidant activity, phenolic compound profile and hygroscopic behavior of pomegranate peel and seed flours. *LWT*, 189(20), 115514. <https://doi.org/10.1016/j.lwt.2023.115514>
- Wandira, ayu, Cindiansya, Rosmayati, J., Anandari, R. F., Naurah, S. A., & Fikayuniar, L. (2023). *Menganalisis Pengujian Kadar Air Dari Berbagai Simplisia Bahan Alam Menggunakan Metode Gravimetri*.
- Wanna, R., Bunphan, D., Kunlanit, B., Khaengkhan, P., Khaengkhan, P., & Bozdoğan, H. (2025). Chemical Composition of Essential Oil from *Apium graveolens* L.and Its Biological Activities Against Sitophilus zeamais Motschulsky (Coleoptera: Dryophthoridae). *Plants*, 14(3). <https://doi.org/10.3390/PLANTS14030347>
- Yambese, A., Susanti Abdulkadir, W., Hutuba, A. H., Farmasi, J., Olahraga, F., & Kesehatan, D. (2025). STANDARDISASI PARAMETER SPESIFIK DAN NON SPESIFIK SIMPLISIA RUMPUT KNOP (HYPTIS CAPITATA JACQ.) THE STANDARDIZATION OF SPECIFIC AND

NON-SPECIFIC PARAMETERS OF KNOB GRASS (HYPTIS CAPITATA JACQ.). *Jurnal Kesehatan Pharmasi*, VII(1).

- Yoga Pratama, V., Dwi Rahayu, P., Putri, S., Long, Y., & Ayu Mentari, I. (2024). Karakterisasi simplisia dan identifikasi senyawa fitokimia ekstrak pakis sayur (*Diplazium escelentum* Swartz). In *JOURNAL OF PHARMACEUTICAL ISSN* (Vol. 2, Number 1). <http://journal.unjaya.ac.id/index.php/jop>
- Yolanda Putri, J., Nastiti, K., Hidayah, N., & Studi Sarjana Farmasi Fakultas Kesehatan, P. (2023). PENGARUH PELARUT ETANOL 70% DAN METANOL TERHADAP KADAR FLAVONOID TOTAL EKSTRAK DAUN SIRSAK (*Annona muricata* Linn). In *Journal of Pharmaceutical Care and Sciences* (Vol. 3, Number 2). <https://ejurnal.unism.ac.id/index.php/jpcs>
- Youssef, D., El-Bakatoushi, R., Elframawy, A., El-Sadek, L., & Badan, G. El. (2023). Molecular phylogenetic study of flavonoids in medicinal plants: a case study family Apiaceae. *Journal of Plant Research*, 136(3), 305–322. <https://doi.org/10.1007/s10265-023-01442-y>
- Zahra, D. F., Rizki, M. I., & Wathan, N. (2025). Determination of specific and non-specific parameters of saluang belum (*Luvunga sarmentosa* (Blume) Kurz.) root extract and quantification of its total flavonoid content. *Jurnal Ilmiah Farmasi (Scientific Journal of Pharmacy)*, 21(1), 66–77. <http://journal.uui.ac.id/index.php/JIF>
- Zhang, M., Zhao, J., Dai, X., & Li, X. (2023). Extraction and Analysis of Chemical Compositions of Natural Products and Plants. In *Separations* (Vol. 10, Number 12). Multidisciplinary Digital Publishing Institute (MDPI). <https://doi.org/10.3390/separations10120598>
- Zhang, Q. W., Lin, L. G., & Ye, W. C. (2018). Techniques for extraction and isolation of natural products: A comprehensive review. In *Chinese Medicine (United Kingdom)* (Vol. 13, Number 1). BioMed Central Ltd. <https://doi.org/10.1186/s13020-018-0177-x>