

## DAFTAR PUSTAKA

- Acevedo-Fani, A., Dave, A., & Singh, H. (2020). Nature-assembled structures for delivery of bioactive compounds and their potential in functional foods. *Frontiers in chemistry*, 8, 564021.
- Acharya, B. (2023). The prevalence and cultural perceptions of hysteria among rural communities in india: an ethnobotanical study in balangir and bargarh districts of odisha, india. *Ethnobotany Research and Applications*, 26. <https://doi.org/10.32859/era.26.41.1-25>
- Adam, O., Abadi, R., & Ayoub, S. (2020). Antioxidant activity, total phenolic and flavonoid contents and cytotoxic activity of euphorbia aegyptiaca. *Journal of Drug Delivery and Therapeutics*, 10(2), 37-41. <https://doi.org/10.22270/jddt.v10i2.3911>
- Adeyeni, E. G., Majolagbe, O. N., Bello, H. O., & Alabi, A. A. (2024). *Phytochemical screening, GC-MS study, FTIR analysis and antimicrobial activities of ethanol extracts of Tetrapleura tetraptera fruit*. International Journal of Frontiers in Science and Technology Research.
- Alafia, A., Ajelara, K., Reis, G., Oyeniran, D., Olayeri, A., & Denloye, A. (2022). Ovicidal and larvicidal activities of n-hexane extract of murraya paniculata (L.) leaves against aedes aegypti. *Asian Journal of Research in Zoology*, 34-42. <https://doi.org/10.9734/ajriz/2022/v5i230136>
- Aldughaylibi, F. S., Raza, M. A., Naeem, S., Rafi, H., Alam, M. W., Souayeh, B., Farhan, M., Aamir, M., Zaidi, N., & Mir, T. A. (2022). Extraction of Bioactive Compounds for Antioxidant, Antimicrobial, and Antidiabetic Applications. *Molecules*, 27(18), 5935. <https://doi.org/10.3390/molecules27185935>
- Aryal, S., Shrestha, S., Devkota, A., Bhandari, N. L., & Jha, R. N. (2020). FTIR, GC-MS Analysis and Bioactivity Studies of Withania somnifera L. of Nepalese Origin. *Journal of Nepal Chemical Society*, 41(1), 36–45. <https://doi.org/10.3126/JNCS.V41I1.30374>
- Asmilia, N., Fahrimal, Y., Abrar, M., & Rinidar, R. (2020). Chemical Compounds of Malacca Leaf (Phyllanthus emblica) after Triple Extraction with N-Hexane, Ethyl Acetate, and Ethanol. *The Scientific World Journal*, 2020(1), 2739056.
- Bayani, F., Hutami Rahayu, L. B., Rahayu, S., Huaida, N., Yuliana, D., Hulyadi, H., & Gargazi, G. (2024). Antioxidant Activity Analysis of Ethanol Extract from Melandean Leaves (Bridelia micrantha) Using the DPPH Assay. *Hydrogen : Jurnal Kependidikan Kimia*, 12(6), 1400.

<https://doi.org/10.33394/hjkk.v12i6.13855>

- Bhuvaneswari, M. (2021). Antioxidant, antimicrobial and cytotoxicity potential of n-hexane extract of *cayratia trifolia* l. *Bioinformation*, 17(3), 452-459. <https://doi.org/10.6026//97320630017452>
- Biswas, S., & Mukherjee, P. K. (2019). Validated high-performance thin-layer chromatographic—densitometric method for the isolation and standardization of ayapanin in *Ayapana triplinervis*. *JPC—Journal of Planar Chromatography—Modern TLC*, 32, 41-46.
- Bratovčić, A. (2020). Antioxidant enzymes and their role in preventing cell damage. *Acta Scientifci Nutritional Health*, 4 (3), 01 - 07. <https://doi.org/10.31080/asnh.2020.04.0659>
- Budiansyah, A. (2023). Antioxidant and antibacterial activities of the rhizome extract of curcuma zedoaria extracted using some organic solvents. *Journal of Advanced Veterinary and Animal Research*, (0), 1. <https://doi.org/10.5455/javar.2023.j687>
- Boonkert, N. (2024). Chemical constituents and their nanoemulsion properties of ethyl acetate crude extract from black galingale rhizome. *Solid State Phenomena*, 364, 25-30. <https://doi.org/10.4028/p-ypfnn2>
- Cifuentes-Arenas, J., Beattie, G., Peña, L., & Lopes, S. (2019). *murraya paniculata* and *swinglea glutinosa* as short-term transient hosts of ‘*candidatus liberibacter asiaticus*’ and implications for the spread of huanglongbing. *Phytopathology*, 109(12), 2064-2073. <https://doi.org/10.1094/phyto-06-19-0216-r>
- Dev, M., & Mukadam, M. (2025). Functional group profiling of medicinal plants using FTIR spectroscopy. *World Journal of Biology Pharmacy and Health Sciences*, 21(1), 243–249. <https://doi.org/10.30574/wjbphs.2025.21.1.0039>
- Dimitrova, L., Mileva, M., Georgieva, A., Tzvetanova, E., Popova, M., Bankova, V., & Najdenski, H. (2025). Redox-Modulating Capacity and Effect of Ethyl Acetate Roots and Aerial Parts Extracts from *Geum urbanum* L. on the Phenotype Inhibition of the *Pseudomonas aeruginosa* Las/RhI Quorum Sensing System. *Plants*, 14(2), 213.
- Dixit, T., Vaidya, A., & Ravindran, S. (2025). Polymeric nanoparticles-based targeted delivery of drugs and bioactive compounds for arthritis management. *Future Science OA*, 11(1), 2467591.

- Dwi, H., Zainur, R. H., Anna, N., Arinda, N. C., Fadhilah, Z. N., & Asmiyenti, D. D. (2019). *Phytochemicals content, FTIR fingerprint and bioactivity of crude extract and fractions of Mesua ferrea L. leaves*. <http://digital.library.ump.ac.id/503/>
- Faidi, A., Chakchouk Mtibaa, A., Mellouli, L., Treilhou, M., Téné, N., & Allouche, N. (2025). Phytochemical composition, antioxidant and antimicrobial activities of *Enarthrocarpus clavatus* Delile ex Godr flowers extracts. *Natural Product Research*, 1–11. <https://doi.org/10.1080/14786419.2025.2457119>
- Faisal, H. and Handayani, S. (2019). Comparison of antioxidant activity of ethanol extract of fruit and okra leaves (*abelmoschus esculentus* l. moench) with dpph and abts methods. *Indonesian Journal of Pharmaceutical and Clinical Research*, 2(2), 6-13. <https://doi.org/10.32734/idjpcr.v2i2.2815>
- Fascella, G., Montoneri, E., & Roupheal, Y. (2021). Biowaste-derived humic-like substances improve growth and quality of orange jasmine (*murraya paniculata* l. jacq.) plants in soilless potted culture. *Resources*, 10(8), 80. <https://doi.org/10.3390/resources10080080>
- Fukutomi, R., Ohishi, T., Koyama, Y., Pervin, M., Nakamura, Y., & Isemura, M. (2021). Beneficial effects of epigallocatechin-3-O-gallate, chlorogenic acid, resveratrol, and curcumin on neurodegenerative diseases. *Molecules*, 26(2), 415.
- Gangga, E. and Aini, Q. (2018). Dry extract of black rice (*oryza sativa* l.) as antioxidant in the form of functional drink. *Asian Journal of Pharmaceutical and Clinical Research*, 11(13), 162. <https://doi.org/10.22159/ajpcr.2018.v11s1.26597>
- Grodzicki, W., & Dziendzikowska, K. (2020). The role of selected bioactive compounds in the prevention of Alzheimer's disease. *Antioxidants*, 9(3), 229.
- Halder, S., Islam, A., Muhit, M. A., Shill, M. C., & Haider, S. S. (2021). Self-emulsifying drug delivery system of black seed oil with improved hypotriglyceridemic effect and enhanced hepatoprotective function. *Journal of Functional Foods*, 78, 104391.
- Hartono, H.S.O., Soetjipto, H., dan Kristijanto, A.I. (2017). Extraction and Chemical Compounds Identification of Red Rice Bran Oil Using Gas Chromatography-Mass Spectrometry (GC-MS) Method. *Eksakta: Jurnal Ilmu-ilmu MIPA*, 17(2), 13-25.

- Iranawati, F., Narulitai, R., Dewi, C., & Arifin, S. (2020). Web evaluation of maceration length period on antioxidant potency of sonneratia caseolaris leaf. *E3s Web of Conferences*, 153, 01010. <https://doi.org/10.1051/e3sconf/202015301010>
- Jabbar, A., Sahidin, I., Monstavevi, S., Malaka, M., Malik, F., & Ilyas, Y. (2022). Antioxidant and anti-inflammatory activity of ethanol extract stem of etlingera rubroloba a.d. poulsen. *Pakistan Journal of Biological Sciences*, 25(10), 885-891. <https://doi.org/10.3923/pjbs.2022.885.891>
- Javaid, A., Naqvi, S. F., & Khan, I. H. (2021). Ethyl acetate extract of Chenopodium murale root, a source of bioactive compounds. *Pakistan Journal of Weed Science Research*, 27(1), 93.
- Kasote, D., Katyare, S., Hegde, M., & Bae, H. (2015). Significance of antioxidant potential of plants and its relevance to therapeutic applications. *International Journal of Biological Sciences*, 11(8), 982-991. <https://doi.org/10.7150/ijbs.12096>
- Khalid, A., Khan, W., Zia, K., Ahsan, W., Alhazmi, H., Abdalla, A., ... & Khan, A. (2023). Natural coumarins from murraya paniculata as mixed-type inhibitors of cholinesterases: in vitro and in silico investigations. *Frontiers in Pharmacology*, 14. <https://doi.org/10.3389/fphar.2023.1133809>
- Khalid, R., Din, M. I., & Hussain, Z. (2024). A critical overview on impact of different nano-catalytic assemblies for photodegradation of tetracycline. *Reviews in Chemical Engineering*, (0).
- Laranjeira, F., Santos, T., Moreira, A., Sanches, Í., Nascimento, A., Silva, S., ... & Almeida, D. (2020). Presence and abundance of diaphorina citri in murraya paniculata in urban areas free of huanglongbing in brazil. *Entomologia Experimentalis Et Applicata*, 168(9), 695-702. <https://doi.org/10.1111/eea.12968>
- Lee, S.-K., Keng, J.-W., Yon, J.-A.-L., Mai, C., Lim, H. R., Chow, S.-C., Akowuah, G. A., Liew, K. B., Lee, S.-K., Marriott, P. J., & Chew, Y.-L. (2025). Phytochemical Analysis and Biological Activities of Flavonoids and Anthraquinones from Cassia alata (Linnaeus) Roxburgh and Their Implications for Atopic Dermatitis Management. *Plants*, 14(3), 362. <https://doi.org/10.3390/plants14030362>
- Li'aini, A. S., Wibawa, I. P. A. H., & Lugrayasa, I. N. (2021). Karakterisasi Aktivitas Antioksidan Ekstrak Daun Mimba (Azadirachta Indica A. Juss) dari Desa Jagaraga, Kecamatan Sawan, Kabupaten Buleleng, Bali. *Bul. Plasma Nutfah*, 27(1), 51.

- Liwanda, N. (2024). Total phenolic content and antioxidant capacity from stems and leaves of *andrographis paniculate* in different solvent combinations. *Current Applied Science and Technology*, e0261033. <https://doi.org/10.55003/cast.2024.261033>
- Lukito, E. (2024). Metabolite profiling and inhibitory effects of nitric oxide on *andrographis paniculata* burm. f nees extract using different solvents as a potential candidate in covid-19 therapy. *Asian Journal of Chemistry*, 36(6), 1301-1307. <https://doi.org/10.14233/ajchem.2024.31387>
- Masfria, M., Syahputra, H., Haro, G., & Nasution, L. R. (2024). Phenolic and Flavonoids Contributions to the Antioxidant, Antidiabetic, and Anticholesterol Activities of *Eriobotrya japonica* Fruit Extract: An In Vitro Analysis. *International Journal of Drug Delivery Technology*, 14(04), 955–960. <https://doi.org/10.25258/ijddt.14.4.4>
- Menezes, C., Garcia, F., Viana, G., Pinheiro, P., Felipe, C., Albuquerque, T., ... & Menezes, I. (2017). *murraya paniculata*(l.) (orange jasmine): potential nutraceuticals with ameliorative effect in alloxan-induced diabetic rats. *Phytotherapy Research*, 31(11), 1747-1756. <https://doi.org/10.1002/ptr.5903>
- Munteanu, I. G., & Apetrei, C. (2021). Analytical Methods Used in Determining Antioxidant Activity: A Review. *International journal of molecular sciences*, 22(7), 3380. <https://doi.org/10.3390/ijms22073380>
- Monir, T., Afroz, S., Jahan, I., & Hossain, T. (2020). Phytochemical study and antioxidant properties of aqueous extracts of *murraya paniculata* leaf. *Journal of Applied Life Sciences International*, 1-8. <https://doi.org/10.9734/jalsi/2020/v23i430153>
- Nasution, S., Ginting, C., & Lister, I. (2022). Determination of total flavonoid level and antioxidant activity of ethyl acetate fraction of mangkokan leaf extract (*nothopanax scutellarium* [burm.f] merr.). *Open Access Macedonian Journal of Medical Sciences*, 10(A), 1001-1005. <https://doi.org/10.3889/oamjms.2022.8131>
- Nisar, M., Qayum, M., Ćavar, S., Ćavar, S., Shah, M. R., Zia-Ul-Haq, M., Khan, I., Ahmad, K. W., & Qayum, Z. A. (2012). Chemical Constituents And Antioxidant Activity Of N-Hexane Extract Of *Impatiens bicolor*. *Chemistry of Natural Compounds*, 48(1), 143–146. <https://doi.org/10.1007/S10600-012-0184-6>
- Nguyen, C., Beattie, G., Haigh, A., Astuti, I., Mabblerley, D., Weston, P., ... & Holford, P. (2019). Molecular differentiation of the *murraya paniculata* complex (rutaceae: aurantioideae: aurantieae). *BMC Evolutionary Biology*,

19(1). <https://doi.org/10.1186/s12862-019-1555-4>

- Nguyen, N., Nguyen, M., Nguyen, H., Pham, P., Thach, U., Trinh, B., ... & Hang, B. (2021). Antioxidant and antimicrobial activities of the extracts from different garcinia species. *Evidence-Based Complementary and Alternative Medicine*, 2021, 1-9. <https://doi.org/10.1155/2021/5542938>
- Nuri, N. (2024). Anti-lipase activity of kemuning (*murraya paniculata*) leaves extract and its fractions. *Journal of Agromedicine and Medical Sciences*, 10(1), 53. <https://doi.org/10.19184/ams.v10i1.44240>
- Ojeda, J. J., & Dittrich, M. (2012). *Fourier transform infrared spectroscopy for molecular analysis of microbial cells*. (Vol. 881, pp. 187–211). Humana Press, Totowa, NJ. [https://doi.org/10.1007/978-1-61779-827-6\\_8](https://doi.org/10.1007/978-1-61779-827-6_8)
- Paul, I., Chatterjee, A., Maiti, S., Bhadoria, P., & Mitra, A. (2019). Dynamic trajectories of volatile and non-volatile specialised metabolites in ‘overnight’ fragrant flowers of *murraya paniculata*. *Plant Biology*, 21(5), 899-910. <https://doi.org/10.1111/plb.12983>
- Pagarra, H., Rahman, R. A., Hala, Y., & Esivan, S. M. M. (2022). Phytochemical screening, antimicrobial and antioxidant activity from *sonneratia caseolaris* leaves extract. *Jurnal Teknologi*, 84(5), 59–66. <https://doi.org/10.11113/jurnalteknologi.v84.17647>
- Poole, C. (2015). An interphase model for retention in liquid chromatography. *JPC-Journal of Planar Chromatography-Modern TLC*, 28(2), 98-105.
- Popescu, D. I., Botoran, O. R., & Cristea, R. M. (2025). Investigation of Phytochemical Composition, Antioxidant and Antibacterial Activity of Five Red Flower Extracts. *Antioxidants*, 14(2), 151. <https://doi.org/10.3390/antiox14020151>
- Rathour, S., Gurjar, P., Tiwari, S., & Tripathi, M. (2023). Bioactive compounds and antioxidant capacity from different fruit extracts of aonla (*emblica officinalis* gaertn.). *International Journal of Environment and Climate Change*, 13(9), 1229-1233. <https://doi.org/10.9734/ijecc/2023/v13i92349>
- Riccardi, B. (2022). From Bioactive Molecules to Their Nutritional Effect, Biodynamic Interpretation Between Productional and Functional Aspects of Nutrients. *Recent Progress in Nutrition*, 2(4), 1-16.
- Rehman, R., Muzaffar, R., Arshad, F., Hussain, R., & Altaf, A. (2023). Diversity in phytochemical composition and medicinal value of *murraya paniculata*. *Chemistry & Biodiversity*, 20(2). <https://doi.org/10.1002/cbdv.202200396>

- Rezk, B., Vijgh, W., Bast, A., & Haenen, G. (2016). Toxicity of antioxidants. *Toxicology and Forensic Medicine - Open Journal*, 1(1), e3-e4. <https://doi.org/10.17140/tfmoj-1-e002>
- Roy, Divashiree & Rahman, A.H.M.. (2016). Systematic study and medicinal uses of Rutaceae family of Rajshahi district, Bangladesh. *Plant Environment Development*. 5. 26-32.
- Safrina, D. (2024). Comparison of murraya microbiological contamination and total flavonoid content on various drying methods. *Iop Conference Series Earth and Environmental Science*, 1377(1), 012061. <https://doi.org/10.1088/1755-1315/1377/1/012061>
- Sakkas, H. and Papadopoulou, C. (2017). Antimicrobial activity of basil, oregano, and thyme essential oils. *Journal of Microbiology and Biotechnology*, 27(3), 429-438. <https://doi.org/10.4014/jmb.1608.08024>
- Sangar, M., Mohammad, N. F., Md Saleh, S. S., Ibrahim, A., Kasim, K. F., Mohd Nasir, N. F., Mohd Daud, F. D., & Navea, R. F. (2025). The Total Phenolic Content, Total Flavonoid Content and Antioxidant Properties of E.tirucalli L. Extract Partitioned using Different Solvents. *Journal of Advanced Research in Fluid Mechanics and Thermal Sciences*, 126(1), 171–180. <https://doi.org/10.37934/arfmts.126.1.171180>
- Shi, H., & Zhao, Y. (2024). Modulation of Tau Pathology in Alzheimer's Disease by Dietary Bioactive Compounds. *International Journal of Molecular Sciences*, 25(2), 831.
- Sholikhah, E. N., Wiyono, T., & Pratiwi, W. R. (2024). Metabolic Profiling, Antioxidant, and Anti-lipase Activity from Combined Leaves Extracts of Tamarindus indica and Murraya paniculata: A Simplex Lattice Design Approach. *Science and Technology Indonesia*, 9(4), 828–839. <https://doi.org/10.26554/sti.2024.9.4.828-839>
- Sholikhati, Anisa, *et al.* "Antioxidant Effect in Red Ginger (Zingiber Officinale Var. Rubrum) Extract during the COVID-19 Pandemic." *8th International Conference on Public Health 2021, Surakarta, Indonesia, November 2021*. Universitas Sebelas Maret, 2021, pp. 1157-1162, doi:10.26911/ICPHmedicine.FP.08.2021.09.
- Silva, F. F. A. D., Fernandes, C. C., Santiago, M. B., Martins, C. H. G., Vieira, T. M., Crotti, A. E. M., & Miranda, M. L. D. (2020). Chemical composition and in vitro antibacterial activity of essential oils from Murraya paniculata (L.) Jack (Rutaceae) ripe and unripe fruits against bacterial genera Mycobacterium and Streptococcus. *Brazilian Journal of Pharmaceutical*

*Sciences*, 56, e18371.

- Shukla, A., Kansal, P., & Shukla, R. K. (2025). Comprehensive nutritional, anti-nutritional, ICP-MS and FTIR profiling of *Ficus rumphii* leaves: a potential source for dietary enhancement. *Natural Product Research*, 1-8.
- Sirikul Thummajitsakul, Panichada Paensanit, Thanyaporn Saeieo, Jirapat Sirirat, Kun Silprasit, FTIR and multivariate analysis of total phenolic content, antioxidant and anti-amylase activities of extracts and milk of *Glycine max* L. and *Phaseolus vulgaris* L. , *Electronic Journal of Biotechnology*, Volume 64, 2023, Pages 69-75, ISSN 0717-3458, <https://doi.org/10.1016/j.ejbt.2023.04.001>.
- Sonter, S., Mishra, S., Dwivedi, M., & Singh, P. (2021). Chemical profiling, in vitro antioxidant, membrane stabilizing and antimicrobial properties of wild growing *murraya paniculata* from amarkantak (m.p.). *Scientific Reports*, 11(1). <https://doi.org/10.1038/s41598-021-87404-7>
- Soquetta, M. B., Terra, L. D. M., & Bastos, C. P. (2018). Green technologies for the extraction of bioactive compounds in fruits and vegetables. *CyTA- Journal of Food*, 16(1), 400-412.
- Sutriningsih, S. (2018). Uji Aktivitas Antioksidan Dengan Metode Dpph Ekstrak Daun Katuk (*Sauropus Androgynus* (L.) Merr) Serta Uji Stabilitas Pengaruh Konsentrasi Emulgator Asam Stearat Dan Trietanolamin Terhadap Formulasi Krim. *Indonesia Natural Research Pharmaceutical Journal*, 3(1), 119-130.
- Tai, A., Ohno, A., & Ito, H. (2016). Isolation and characterization of the 2,2'-azinobis(3-ethylbenzothiazoline-6-sulfonic acid) (abts) radical cation-scavenging reaction products of arbutin. *Journal of Agricultural and Food Chemistry*, 64(38), 7285-7290. <https://doi.org/10.1021/acs.jafc.6b02847>
- Taufiq, N. and Sulfiani, S. (2023). Antioxidant activity of ethanol and n-hexane extracts of javanese bark (*lannea coromandelica*) using the dpph method. *Indo J Chem Res*, 11(1), 43-48. <https://doi.org/10.30598/ijcr.2023.11-tau>
- Tayade, K., Yeom, G., Sahoo, S., Puschmann, H., Nimse, S., & Kuwar, A. (2022). Exploration of molecular structure, dft calculations, and antioxidant activity of a hydrazone derivative. *Antioxidants*, 11(11), 2138. <https://doi.org/10.3390/antiox11112138>
- Trujillo, J., & Ramírez, V. (2024). Polyphenols and Health Benefits: Volume I. *Foods*, 13(8), 1221.
- Tumosienė, I., Kantminienė, K., Jonuškienė, I., Peleckis, A., Belyakov, S., & Mickevičius, V. (2019). Synthesis of 1-(5-Chloro-2-hydroxyphenyl)-5-

oxopyrrolidine-3-carboxylic Acid Derivatives and their antioxidant activity. *Molecules*, 24(5), 971.

- Ugwu, K. E., Ezema, C. G., Ibeto, C. N., & Okorie, I. A. (2025). Physicochemical and combustion characteristics of pyrolyzed coal and biocoal briquettes via thermogravimetric analysis. *International Journal of Coal Preparation and Utilization*, 1-17.
- Untea, A., Lupu, A., Sărăcilă, M., & Panaite, T. (2018). Comparison of abts, dpsh, phosphomolybdenum assays for estimating antioxidant activity and phenolic compounds in five different plant extracts. *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca Animal Science and Biotechnologies*, 75(2), 110. <https://doi.org/10.15835/buasvmcn-asb:2018.0009>
- Ulpathakumbura, S., Marikkar, N., & Jayasinghe, L. (2023). FTIR spectral correlation with alpha-glucosidase inhibitory activities of selected leafy plants extracts. *International Journal of Plant Based Pharmaceuticals*, 3(3), 104–113. <https://doi.org/10.29228/ijpbp.22>
- Uvidia Armijo, L. A. (2025). Mathematical modeling of the extraction of bioactive compounds present in the leaves of *Annona muricata* L. *African Journal of Biomedical Research*, 598–603. <https://doi.org/10.53555/ajbr.v28i1s.6173>
- Wardani, E., Harahap, Y., Mun'im, A., & Bahtiar, A. (2019). Influence of extraction on the yield, phytochemical and lcms profile from standardized kemuning leaf (*murraya paniculata* (L.) jack). *Pharmacognosy Journal*, 11(6s), 1455-1462. <https://doi.org/10.5530/pj.2019.11.225>
- Wardatun, S., Harahap, Y., Mun'im, A., Saputri, F., & Sutandyo, N. (2020). *Leucaena leucocephala* (lam.) de wit seeds: a new potential source of sulfhydryl compounds. *Pharmacognosy Journal*, 12(2), 298-302. <https://doi.org/10.5530/pj.2020.12.47>
- Warnis, M., Yulinda, T., & Maryanti, L. (2021, April). Comparison of the Antioxidant Activity of Cashew (*Anacardium occidentale* L.) Leaf Extract with the Soxhletation and Reflux Extraction Methods. In *First International Conference on Health, Social Sciences and Technology (ICOHSSST 2020)* (pp. 301-304). Atlantis Press. <https://doi.org/10.2991/assehr.k.210415.062>
- Wu, J., Liu, K., & Shi, X. (2015). The anti-inflammatory activity of several flavonoids isolated from *murraya paniculata* on murine macrophage cell line and gastric epithelial cell (ges-1). *Pharmaceutical Biology*, 54(5), 868-881. <https://doi.org/10.3109/13880209.2015.1089294>

- Yadav, P. and Malpathak, N. (2016). Estimation of antioxidant activity and total phenol, flavonoid content among natural populations of caper (*Capparis moonii*, wight) from western ghats region.. *Indian Journal of Pharmaceutical Education and Research*, 50(3), 495-501. <https://doi.org/10.5530/ijper.50.3.25>
- Yang, T., Yin, X., Kang, H., Yang, D., Yang, Y., & Yang, Y. (2023). Chromosome-level genome assembly of *Murraya paniculata* sheds light on biosynthesis of floral volatiles. *BMC Biology*, 21(1). <https://doi.org/10.1186/s12915-023-01639-6>
- Yunus, M. (2024). Antioxidant properties of honey: mechanisms and clinical applications. *Free Radicals and Antioxidants*, 13(2), 50-53. <https://doi.org/10.5530/fra.2023.2.9>
- Yusuf, Oluwatosin K., and Justine T. Ekanem. "Studies of phytochemical constituents and antitrypanosomal properties of fermented wheat germ and garlic bulbs extract on *Trypanosoma brucei*-infected rats." *J Med Plants Res* 4.19 (2010): 2016-2020.
- Zaatout, H., Al-koriety, H., Omran, G., & Beltagy, A. (2022). Profiling of the essential oil of *Murraya paniculata* cultivated in Egypt over four different seasons using gas chromatography-mass spectrometry and screening for antimicrobial and anticancer activities. *Egyptian Journal of Chemistry*, 0(0), 0-0.
- Zamzani, I. and Triadisti, N. (2021). Limpasu pericarpium : an alternative source of antioxidant from borneo with sequential maceration method. *Jurnal Profesi Medika Jurnal Kedokteran Dan Kesehatan*, 15(1). <https://doi.org/10.33533/jpm.v15i1.2820>
- Zebua, N. F., Nerdy, N., Septama, A. W., Suryani, D., Suwailim, S., & Bahrianur, R. (2025). Antioxidant Activity Test And Infrared Profile Of Hexane, Ethyl Acetate, And Ethanol Extract Of Breadfruit Leaves (*Artocarpus Altilis*). *Rasayan Journal Of Chemistry*, 18(1).
- Zhu, M., Tu, Z., Zhang, L., & Liao, H. (2019). Antioxidant, metabolic enzymes inhibitory ability of *Torreya grandis* kernels, and phytochemical profiling identified by HPLC-QTOF-MS/MS. *Journal of Food Biochemistry*, 43(12). <https://doi.org/10.1111/jfbc.13043>
- Ziane, S. N. E. H., Dib, M. E. A., Bensaid, O., & Muselli, A. (2025). Study of the Biological Activities of Aethiopinone Isolated from the Hexane Extract of *Salvia argentea* L. Roots and its Combinations with Reference Products. *Current Bioactive Compounds*.