

DAFTAR PUSTAKA

- Ahmed, A. A., K. A. Balogun, K. A. Bykova, & S.K. Cheema. 2014. Novel regulatory roles of omega-3 fatty acids in metabolic pathways: a proteomics approach. *Nutrition & Metabolism*, 11(6).
- Al-Rubaye, A. F., I. H. Hameed, & M. J. Kadhim. 2017. A review: uses of gas chromatography-mass spectrometry (GC-MS) technique for analysis of bioactive natural compounds of some plants. *International Journal of Toxicological and Pharmacological Research*, 9(01), 81–85.
- Alagan, V., R. Valsala, & K. Rajesh, K. 2017. Bioactive chemical constituent analysis, in vitro antioxidant and antimicrobial activity of whole plant methanol extracts of *Ulva lactuca* linn. *British Journal of Pharmaceutical Research*, 15(1), 1–14. <https://doi.org/10.9734/bjpr/2017/31818>
- Alraddadi, T. M., S. O. Bahaffi, L. A. Alkhateeb, & M. W. Sadaka. 2024. Analysis of bioactive compounds present in *Boerhavia elegans* seeds by GC-MS. *Open Chemistry*, 22(1). <https://doi.org/10.1515/chem-2024-0068>
- Andriani, S., & D. I. Anggraini. 2023. Uji aktivitas antikolesterol variasi ekstrak etanol sawi pakcoy (*Brassica chinensis*) secara in vitro. *Jurnal Farmasi Sains Dan Terapan*, 10(1), 44–50. <https://doi.org/10.33508/jfst.v10i1.4574>
- Angelina, M., P. Amelia, M. Irsyad, L. Meilawati, & M. Hanafi. 2015. Karakterisasi ekstrak etanol herba katumpangan air (*Peperomia pellucida* L . Kunth) (characterization of ethanol extract from katumpangan air herbs (*Peperomia*). *Biopropal Industri*, 6(2), 53–61.
- Anggraini, D. I., & L. F. Nabillah. 2018. Activity test of suji leaf extract (*Dracaena angustifolia* Roxb.) on in vitro cholesterol lowering. *Jurnal Kimia Sains Dan Aplikasi*, 21(2), 54–58. <https://doi.org/10.14710/jksa.21.2.54-58>
- Apriana, M., R. M. Toni, M. C. Huda, Z. M. Kamal, R. Khoerunnisa, A. Allahuddin, R. A. Septiani, S. R. Ash-Shidiqi, & F. Anggraeni. 2022. Pengobatan penyakit kolestrol dengan menggunakan ekstrak herbal di indonesia - a review. *Jurnal Buana Farma*, 2(2), 19–32. <https://doi.org/10.36805/jbf.v2i2.383>
- Asikin, S., & M. Thamrin. 2012. Manfaat purun tikus (*Eleocharis dulcis*) pada ekosistem sawah rawa. *Jurnal Litbang Pertanian*, 31(1), 35–42.
- Ayu, I. W., N. Putu Nyoman, W. Udayani, & G. A. Putri. 2024. Artikel review : peran antioksidan flavonoid dalam menghambat radikal bebas. *Journal Syifa Sciences and Clinical Research (JSSCR)*, 6(2), 188–197.
- Backes, J., D. Anzalone, D. Hilleman, & J. Catini. 2016. The clinical relevance of omega-3 fatty acids in the management of hypertriglyceridemia. *Lipids in Health and Disease*, 15(1), 1–12. <https://doi.org/10.1186/s12944-016-0286-4>
- Baehaki, A., I. Widiastuti, S. Lestari, M. Masruro, & H. A. Putra. 2021. Antidiabetic and

anticancer activity of Chinese water chestnut (*Eleocharis dulcis*) extract with multistage extraction. *Journal of Advanced Pharmaceutical Technology & Research*, 12(1), 40.

Bailey, J., A. Oliveri, & E. Levin. 2013. Squalene synthase inhibitor lapaquistat acetate: could anything be better than statins? *bone*, 23(1), 1–7. <https://doi.org/10.1161/CIRCULATIONAHA.111.028571>. Squalene

Bashmakova, N., O. Sidorov, N. Kutsevol, Y. Harahuts, & A. Naumenko. 2018. Spectral characteristics of silver nanoparticles in polyacrylamide matrix in the presence of berberine molecules. *Molecular Crystals and Liquid Crystals*, 670(1), 11–19. <https://doi.org/10.1080/15421406.2018.1542058>

Belami, L., I. M. Yulianti, & B. B. R. Sidharta. 2014. Pemanfaatan purun tikus (*Eleocharis dulcis*) untuk menurunkan kadar merkuri (Hg) pada air bekas penambangan emas rakyat. *Tekno Lingkungan*, 1–16.

Cahyono, B., & M. Suzery. 2018. Metode pemisahan bahan alam aspek teoritis dan eksperimen. *Journal of Chemical Information and Modeling*, 53(9), 1689–1699.

Delong, C., & S. Sharma. 2019. *Physiology, peripheral vascular resistance*.

Dewi, A. O. T., & Y. D. Rahmawati. 2023. Analisis kadar antosianin pada bunga telang (*Clitoria ternatea L.*) segar. 7(2), 2023.

Edidovica, E., L. Nilsson, A. M. Börjesdotter, & M. Wahlgren. 2024. *Exploring alternative surfactants to replace PEG within lipid nanoparticles*.

Emilda, E., & N. Delfira. 2023. Pemanfaatan silika gel 70-230 mesh bekas sebagai pengganti fase diam kromatografi kolom pada praktikum kimia organik. *Indonesian Journal of Laboratory*, 1(1), 45. <https://doi.org/10.22146/ijl.v1i1.82006>

Fernanda, M. A. H. F., M. Suryandari, & T. P. L. Sudarwati. 2021. Fraksinasi dan Identifikasi ekstrak daun *Mitragyna speciosa* menggunakan metode kromatografi. *farmasis: Jurnal Sains Farmasi*, 2(2), 16–21. <https://doi.org/10.36456/farmasis.v2i2.4072>

Fiévet, C., & B. Staels. 2009. Combination therapy of statins and fibrates in the management of cardiovascular risk. *Current Opinion in Lipidology*, 20(6), 505–511. <https://doi.org/10.1097/MOL.0b013e328332e9ef>

Ganpatrao, H. S., & A. Venkatesham. 2023. Design and synthesis of benzopyrone compounds with potential medicinal applications. www.anveshanaindia.com

Ghanaim F. A., A. P. Tyas, A. F. Mubarakah, R. Ningsih, & D. Ridhowati. 2018. Alchemy: journal of chemistry variasi diameter kolom dan rasio sampel-silika pada isolasi steroid dan triterpenoid alga merah *Eucheuma cottonii* dengan Kromatografi Kolom Basah.

- Gonçalves, S., & A. Romano. 2017. Inhibitory properties of phenolic compounds against enzymes linked with human diseases. *Phenolic Compounds - Biological Activity*. <https://doi.org/10.5772/66844>
- Goyfman, M., A. Chaus, F. Dabbous, L. Tamura, V. Sandfort, A. Brown, & M. Budoff. 2018. The correlation of dyslipidemia with the extent of coronary artery disease in the multiethnic study of atherosclerosis. *Journal of Lipids*, 2018.
- Grassby, T. 2008. Phenolics and phenolic-polysaccharide linkages in Chinese water chestnut (*Eleocharis dulcis*) cell walls . *Thèse Doctorat, University of East Anglia Institute, March*, 1–240.
- Gupta, R., A. K. Chaudhary, & R. Sharma. 2024. Analgesic and anti-inflammatory potential of *Ricinus communis* Linn.: evidence from pharmacology to clinical studies. In *Current Pharmacology Reports* (Vol. 10, Issue 1, pp. 27–67). Springer Science and Business Media Deutschland GmbH. <https://doi.org/10.1007/s40495-023-00347-7>
- Hameed, M. F., & A. A. AL-Muhsin. 2024. Estimation of the minimum inhibitory concentration (MIC) of the ethanolic extract of *S. monoica* as an antifungal agent for *Candida albicans*. *Journal of Pharmacognosy and Phytochemistry*, 13(3), 450–455. <https://doi.org/10.22271/phyto.2024.v13.i3f.14986>
- Hartanti, L., S. M. K. Yonas, J. J. Mustamu, S. Wijaya, H. K. Setiawan, & L. Soegianto. 2019. Influence of extraction methods of bay leaves (*Syzygium polyanthum*) on antioxidant and HMG-CoA Reductase inhibitory activity. *Heliyon*, 5(4), e01485. <https://doi.org/10.1016/j.heliyon.2019.e01485>
- Hasan, M. M., M. R. Al Mahmud, & M. G. Islam. 2019. GC-MS analysis of bio-active compounds in ethanol extract of putranjiva roxburghii wall. Fruit peel. *Pharmacognosy Journal*, 11(1), 146–149. <https://doi.org/10.5530/pj.2019.1.24>
- Hegyí, G., J. Kardos, M. & Kovacs. 2013. An introduction to practical biochemistry. *Biochemical Education*, 1(1), 1–211. [https://doi.org/10.1016/0307-4412\(72\)90021-0](https://doi.org/10.1016/0307-4412(72)90021-0)
- Ilyas, A. N., Rahmawati, & H. Widiastuti. 2020. Uji aktivitas antikolesterol ekstrak etanol daun gedhi (*Abelmoschus Manihot* (L .) medik) secara in vitro article history: Public Health Faculty Received in revised form 05 November 2019 Universitas Muslim Indonesia Accepted 20 Januari 2020 Address: Av. *Window of Health ; Jurnal Kesehatan*, 3(1), 57–64.
- Jain, K. S., M. K. Kathiravan, R. S. Somani, & C. J. Shishoo. 2007. The biology and chemistry of hyperlipidemia. *Bioorganic and Medicinal Chemistry*, 15(14), 4674–4699. <https://doi.org/10.1016/j.bmc.2007.04.031>
- Katzung, B. G. 2012. Farmakologi dasar dan klinik edisi 10. *Jakarta: EGC*, 480.
- Khadijah, K., M. Merlin, N. Baturante, S. Sernita, S. Sumarna, & A. M. Jayali. 2024.

- Penapisan fitokimia ekstrak metanol akar gofasa (*Vitex cofassus*) asal pulau halmahera dan potensinya sebagai antioksidan dan antikolesterol. *saintifik@: Jurnal Pendidikan MIPA*, 9(1), 37–43. <https://doi.org/10.33387/saintifik.v9i1.8399>
- Kim, J., G. Ryu, J. Seo, M. Go, G. Kim, S. Yi, S. Kim, H. Lee, J. Y. Lee, H. S. Kim, M. C. Park, D. H. Shin, H. Shim, W. Kim, & S. Y. Lee. 2024. 5-aminosalicylic acid suppresses osteoarthritis through the OSCAR-PPAR γ axis. *Nature Communications*, 15(1). <https://doi.org/10.1038/s41467-024-45174-6>
- Klomsakul, P., & P. Chalopagorn. 2024. In vitro α -amylase and α -glucosidase inhibitory potential of green banana powder extracts . *The Scientific World Journal*, 2024(1). <https://doi.org/10.1155/2024/5515855>
- Landeta, C., N. S. Wallach, J. Munizaga, M. P. G. Troncoso, C. B. Díaz, L. A. Caldas, P. Sartorelli, I. Martínez, & M. E. Lienqueo. 2024. Comprehensive nutritional and functional characterization of novel mycoprotein derived from the bioconversion of *Durvillaea spp.* *Foods*, 13(15). <https://doi.org/10.3390/foods13152376>
- Li, X., H. Jiang, Y. Pu, J. Cao, & W. Jiang. 2019. Inhibitory effect of condensed tannins from banana pulp on cholesterol esterase and mechanisms of interaction. *Journal of Agricultural and Food Chemistry*, 67(51), 14066–14073.
- Li, Y. 2016. Pathway analysis and metabolites identification by metabolomics of etiolation substrate from fresh-cut chinese water chestnut (*Eleocharis tuberosa*). *Molecules*, 21(1648), 15.
- Linton, M. F., P. G. Yancey, S. S. Davies, W. G. Jerome, E. F. Linton, W. L. Song, A. C. Doran, & K. C. Vickers. 2019. The role of lipids and lipoproteins in atherosclerosis. *Endotext*.
- Luxminarayan, L., S. Neha, V. Amit, & M. P. Khinchi. 2017. A review on chromatography techniques. *Asian Journal of Pharmaceutical Research and Development*, 5(2), 1–08.
- Manoranjitha, M., & A. Malarvizhi. 2023. Gas chromatography and mass spectroscopic analysis of bioactive compounds from *Scoparia dulcis* whole plant extract. *International Journal of Zoological Investigations*, 9(Special Issue 3), 76–82. <https://doi.org/10.33745/ijzi.2023.v09ispl3.011>
- Marrelli, M., F. Conforti, F. Araniti, & G. A. Statti. 2016. Effects of saponins on lipid metabolism: a review of potential health benefits in the treatment of obesity. *Molecules*, 21(10), 1404.
- Maryani, P. E., E. U. Ulfa, & E. Rachmawati. 2016. Pengaruh ekstrak metanol daun kayu kuning (*Arcangelisia flava* (L.) Merr.) terhadap kadar kolesterol total dan trigliserida tikus hiperlipidemia (the influence of methanol extract of yellow root (*Arcangelisia flava* (L.) Merr.) leaves on total cholesterol. *Pustaka Kesehatan*, 4(1), 20–26.

- Mawardi, R. H., E. Suryanto, & S. Sudewi. 2019. Aktivitas antioksidan dari fraksi tongkol jagung (*Zea mays L.*) yang diinduksi oleh Fe^{2+} dan cahaya uv-b. *Chemistry Progress*, 9 (1), 1-7.
- Meirindasari, N., & H. M. Rahayuningsih. 2013. Pengaruh pemberian jus biji pepaya (*Carica papaya L.*) terhadap kadar kolesterol total tikus sprague dawley dislipidemia. Diponegoro University.
- Melati, P. 2021. Uji aktivitas antioksidan, sitotoksisitas dan gc-ms ekstrak metanol alga hijau boergesenia forbesii (*Harvey*) feldmann dari pantai panjang Bengkulu. *Jurnal Pengelolaan Laboratorium Sains Dan Teknologi*, 1(1), 10–24. <https://doi.org/10.33369/labsaintek.v1i1.15432>
- Muqowwiyah, L. Z., & R. K. Dewi. 2021. Potensi ekstrak daun alpukat sebagai anti kolesterol. *Jurnal Tadris IPA Indonesia*, 1(3), 403–412. <https://doi.org/10.21154/jtii.v1i3.397>
- Musa, W. J. A., B. Situmeang, & J. Sianturi. 2019. Anti-cholesterol triterpenoid acids from *Saurauia vulcani* Korth. (*Actinidiaceae*). *International Journal of Food Properties*, 22(1), 1439–1444. <https://doi.org/10.1080/10942912.2019.1650762>
- Nurfahmi, A. R., A. Husni, & A. Isnansetyo. 2018. Effect of sargassum hystrix powder on the biochemical profile of diabetic wistar rats. *Pakistan Journal of Nutrition*, 17(5), 248–254. <https://doi.org/10.3923/pjn.2018.248.254>
- Nurfahmi, M. I., K. M. Yuliawati, & L. Syafnir. 2024. Pengujian pengaruh perbedaan metode ekstraksi terhadap parameter standar mutu ekstrak daun kelor. 83–90.
- Nursamsiar, N., M. Marwati, & S. Nur. 2023. The effect of extraction method on flavonoid content and antioxidant activity of red betel and green betel extracts. *Tropical Journal of Natural Product Research*, 7(8), 3620–3625. <https://doi.org/10.26538/tjnpr/v7i8.7>
- Ohue-Kitano, R., Y. Masujima, S. Nishikawa, M. Iwasa, Y. Nishitani, H. Kawakami, H. Kuwahara, & I. Kimura. 2023. 3-(4-Hydroxy-3-methoxyphenyl) propionic acid contributes to improved hepatic lipid metabolism via GPR41. *Scientific Reports*, 13(1). <https://doi.org/10.1038/s41598-023-48525-3>
- Pahan, K. 2006. Biomedicine & diseases : review lipid-lowering drugs. 63, 1165–1178. <https://doi.org/10.1007/s00018-005-5406-7>
- Parr, A. J., K. W. Waldron, A. Ng, & M. L. Parker, M. L. 1996. The wall-bound phenolics of chinese water chestnut (*Eleocharis dulcis*). 00, 501–507.
- Puspasari, H., & W. Puspita. 2023. Identifikasi senyawa flavonoid ekstrak kental etanol daun suruhan (*Peperomia Pellucida L.Kunth*) dengan metode kromatografi kolom dan kromatografi lapis tipis. *Jurnal Komunitas Farmasi Nasional*, 3(2), 2023.
- Putra, A. A. N. A., A. Baehaki, & S. D. Lestari. 2018. Aktivitas antibakteri ekstrak purun

tikus (*Eleocharis dulcis*) terhadap bakteri patogen dan pembusuk makanan= antibacterial activity of chinese water chesnut (*Eleocharis dulcis*) extract against pathogens and spoilage bacteria. Sriwijaya University.

Putri, F. E., A. Diharmi, & R. Karnila. 2023. Identifikasi senyawa metabolit sekunder pada rumput laut coklat (*Sargassum plagyophyllum*) dengan metode fraksinasi. *Jurnal Teknologi Dan Industri Pertanian Indonesia*, 15(1), 40–46. <https://doi.org/10.17969/jtipi.v15i1.23318>

Qomariyah, M. E., S. Mursiti, & K. Ersanghono. 2019. Isolasi dan identifikasi senyawa flavonoid dari daun murbei (*Morus alba Linn*). In *J. Chem. Sci* (Vol. 8, Issue 1). <http://journal.unnes.ac.id/sju/index.php/ijcs>

Rasool, S. N., S. Jaheerunnisa, K. N. Jayaveera, & C. S. Kumar. 2011. In vitro callus induction and in vivo antioxidant activity of *Passiflora foetida* L. leaves. *International Journal of Applied Research in Natural Products*, 4(1), 1–10.

Reshma G, B., N. MSAM, & S. PM. 2018. A review on anti-cholesterol drugs and their mechanisms. *Journal of Medicinal Chemistry and Drug Design*, 1(1). <https://doi.org/10.16966/2578-9589.104>

Rosydi, A. R. 2014. uji efek ekstrak etanol 70% kulit buah asam jawa (*Tamarindus indica L.*) terhadap kadar kolesterol total dan trigliserida serum darah tikus putih jantan (*Rattus norvegicus*) galur wistar. Universitas Muhammadiyah Surakarta.

Safe, S., A. Jayaraman, R. S. Chapkin, M. Howard, K. Mohankumar, & R. Shrestha. 2021. Flavonoids: structure–function and mechanisms of action and opportunities for drug development. *Toxicological Research*, 37(2), 147–162. <https://doi.org/10.1007/s43188-020-00080-z>

Setyawati, A., E. Purwanto, A. Yunus, A. T. Sakya, M. Rahayu, D. Purnomo, R. B. Arniputri, G. Cahyo, Q. R. Dwiyantri, S. Egra, O. Talitha, & A. Muthi. 2023. Effect of water availability on the growth and secondary metabolites of zodia (*Evodia suaveolens*). *Agrosains: Jurnal Penelitian Agronomi*, 25(2), 78–84. <https://doi.org/10.20961/agsjpa.v24i2.81528>

Singh, K., K. Kishor, G. Kothiyal, R. Kamal, N. Kunar, S. Guru, & R. Rai. 2024. GC-MS analysis for determination of bioactive compounds of *Phellinus pectinatus*: a species of wild mushroom from Uttarakhand Himalaya, India. *Journal of Chemical Health Risks*. www.jchr.org

Siregar, R. S., A. F. Tanjung, A. F. Siregar, I. H. Bangun, & M. O. Mulya. 2020. Studi literatur tentang pemanfaatan tanaman obat tradisional. *Seminar of social sciences engineering & humaniora*, march, 7. [http://files/240/siregar et al. - 2020 - studi literatur tentang pemanfaatan tanaman obat t.pdf](http://files/240/siregar%20et%20al.%20-%20studi%20literatur%20tentang%20pemanfaatan%20tanaman%20obat%20t.pdf)

Sonosy, M., F. Abo-Elabbas, & W. Elsayed. 2023. T34 biocontrol ® (*Trichoderma asperellum strain, t34*), a biocontrol agent reducing strawberry fruit rots. *Egyptian Academic Journal of Biological Sciences, F. Toxicology & Pest Control*, 15(2),

121–140. <https://doi.org/10.21608/eajbsf.2023.341967>

- Stanisz, M., B. J. Stanisz, & J. Cielecka-Piontek. 2024. A comprehensive review on deep eutectic solvents: their current status and potential for extracting active compounds from adaptogenic plants. In *Molecules (Basel, Switzerland)* (Vol. 29, Issue 19). <https://doi.org/10.3390/molecules29194767>
- Suliasih, B. A., & A. Mun. 2022. Review : potency and problem in development of self-reliance of traditional drug raw material in Indonesia. 28–33.
- Tang, Z., G. Huang, & H. Huang. 2024. Ultrasonic-assisted extraction, analysis and properties of purple mangosteen scarfskin polysaccharide and its acetylated derivative. *Ultrasonics Sonochemistry*, 109. <https://doi.org/10.1016/j.ultsonch.2024.107010>
- Tanggu, R. M. M., M. A. Adeodatus, & Y. K. A. Mbulang. 2021. Aktivitas antihiperkolesterolemia ekstrak batang dan akar kemangi hutan (*Ocimum sanctum*) pada tikus putih. *Jurnal Farmasi & Sains Indonesia*, 4(1), 36–43. <https://doi.org/10.52216/jfsi.v4i1.70>
- Tavanappanavar, A. N., S. I. Mulla, C. S. Seth, Z. K. Bagewadi, M. Rahamathulla, M. M. Ahmed, & S. A. Farhana. 2024. Phytochemical analysis, GC–MS profile and determination of antibacterial, antifungal, anti-inflammatory, antioxidant activities of peel and seeds extracts (chloroform and ethyl acetate) of *Tamarindus indica* L. *Saudi Journal of Biological Sciences*, 31(1). <https://doi.org/10.1016/j.sjbs.2023.103878>
- Theodosis, P., G. Papagiouvannis, & E. A. Rekka. 2023. Ferulic, sinapic, 3,4-dimethoxycinnamic acid and indomethacin derivatives with antioxidant, anti-inflammatory and hypolipidemic functionality. *antioxidants*, 12(7). <https://doi.org/10.3390/antiox12071436>
- Tian, W., X. Ma, S. Zhang, Y. Sun, & B. Li. 2011. Fatty acid synthase inhibitors from plants and their potential application in the prevention of metabolic syndrome. *Clinical Oncology and Cancer Research*, 8(1), 1–9.
- Turatbekova, A., D. Mirzarakhmetova, J. Jumaniyozov, E. Khudayberganov, N. Toshpulatov, A. Rakhmatov, & S. Muzafarov. 2023. A brief overview on the methods for extraction and identification of flavonoids. *E3S Web of Conferences*, 434. <https://doi.org/10.1051/e3sconf/202343403037>
- Tzanova, M., V. Atanasov, Z. Yaneva, D. Ivanova, & T. Dinev. 2020. Selectivity of current extraction techniques for flavonoids from plant materials. *Processes*, 8(10), 1–30. <https://doi.org/10.3390/pr8101222>
- Verdiana, M., I. W. R. Widarta, & I. D. G. Permana. 2018. Pengaruh jenis pelarut pada ekstraksi menggunakan gelombang ultrasonik terhadap aktivitas antioksidan ekstrak kulit buah lemon (*Citrus limon* (Linn.) *Burm F.*). *Jurnal Ilmu Dan Teknologi Pangan (ITEPA)*, 7(4), 213. <https://doi.org/10.24843/itepa.2018.v07.i04.p08>

- Wang, T., Yang, Q. Li, & K. S. Bi. 2018. Bioactive flavonoids in medicinal plants: Structure, activity and biological fate. In *Asian Journal of Pharmaceutical Sciences* (Vol. 13, Issue 1, pp. 12–23). Shenyang Pharmaceutical University. <https://doi.org/10.1016/j.ajps.2017.08.004>
- Watts, G. F., & S. B. Dimmitt. 1999. Fibrates, dyslipoproteinaemia and cardiovascular disease. In *Current Opinion in Lipidology* (Vol. 10, Issue 6, pp. 561–574). <https://doi.org/10.1097/00041433-199912000-00011>
- Wawrzyniak, R., P. Grešner, E. Lewicka, S. Macioszek, A. Furga, B. Zieba, M. J. Markuszewski, & A. Dąbrowska-Kugacka. 2024. Metabolomics meets clinics: a multivariate analysis of plasma and urine metabolic signatures in pulmonary arterial hypertension. *Journal of Proteome Research*, 23(8), 2795–2804. <https://doi.org/10.1021/acs.jproteome.3c00255>
- Witosari, N., & N. Widyastuti. 2014. Pengaruh pemberian jus daun ubi jalar (*Ipomoea batatas* (L.) Lam) terhadap kadar kolesterol total tikus wistar jantan (*rattus norvegicus*) yang diberi pakan tinggi lemak. *Journal of Nutrition College*, 3(4), 638–646. <https://doi.org/10.14710/jnc.v3i4.6863>
- Xiao, L., J. Chen, X. Wang, R. Bai, D. Chen, & J. Liu. 2018. Structural and physicochemical properties of chemically modified Chinese water chestnut [*Eleocharis dulcis* (Burm. f.) Trin. ex Hensch] starches. *International Journal of Biological Macromolecules*, 120, 547–556. <https://doi.org/10.1016/j.ijbiomac.2018.08.161>
- Yang, J., X. Tang, L. Shuai, Y. S. Kwon, & M. J. Kim. 2020. Chemical characterization, antioxidant properties and anti-inflammatory activity of Chinese water chestnut extracts. *ScienceAsia*, 46(2), 151–156. <https://doi.org/10.2306/SCIENCEASIA1513-1874.2020.026>
- Yulita, Y. Y., W. Winardi, & J. Jumiaty. 2022. Remediasi air tercemar merkuri menggunakan purun tikus (*Eleocharis dulcis*) metode lahan basah buatan. *Jurnal Reka Lingkungan*, 10(3), 212–221. <https://doi.org/10.26760/rekalingkungan.v10i3.212-221>
- Yuvianti D. F., & L. K. Mutmainnah. 2019. Jurnal Ilmiah Cendekia Eksakta 1. *Jurnal Ilmiah Cendekia Eksakta*, 2002, 1–5.
- Zahara, E., Darmawi, U. Balqis, & C. Soraya. 2024. Characterization of candlenut leaf extract *Simplicia (Aleurites moluccanus)* Seulawah mountains. *IOP Conference Series: Earth and Environmental Science*, 1356(1). <https://doi.org/10.1088/1755-1315/1356/1/012077>
- Zampelas, A., & E. Magriplis. 2019. New insights into cholesterol functions: a friend or an enemy? In *Nutrients* 11 (7), p. 1645. Multidisciplinary Digital Publishing Institute.



- Zeka, K., K. Ruparelia, R. R. J. Arroo, R. Budriesi, & M. Micucci. 2017. Flavonoids and their metabolites: Prevention in cardiovascular diseases and diabetes. *Diseases*, 5(3), 19.
- Zeng, X., Z. Du, X. Ding, & W. Jiang. 2020. Characterization of the direct interaction between apple condensed tannins and cholesterol in vitro. *Food Chemistry*, 309, 125762.
- Zhan, G., L. Q. Pan, S. B. Mao, W. Zhang, Y. Y. Wei, & K. Tu. 2014. Study on antibacterial properties and major bioactive constituents of Chinese water chestnut (*Eleocharis dulcis*) peels extracts/fractions. *European Food Research and Technology*, 238(5), 789–796. <https://doi.org/10.1007/s00217-013-2151-2>
- Zhan, G., L. Pan, K. Tu, & S. Jiao. 2016. Effects of chinese water chestnut (*Eleocharis dulcis*) Peel Flavonoids. <https://doi.org/10.1111/1750-3841.13434>
- Zhang, Y., H. Xu, Z. Hu, G. Yang, X. Yu, Q. Chen, L. Zheng, & Z. Yan. 2022. *Eleocharis dulcis* corm: phytochemicals, health benefits, processing and food products. In *Journal of the Science of Food and Agriculture* 102(1). <https://doi.org/10.1002/jsfa.11508>