



DAFTAR PUSTAKA

- Aminah, Tomayahu, N., & Abidin, Z. (2017). Penetapan Kadar Flavonoid Total Ekstrak Etanol Kulit Buah Alpukat (*Persea americana* Mill.) dengan Metode Spektrofotometri UV-Vis. *Jurnal Fitofarmaka Indonesia*, 4(2), 226–230. <https://doi.org/10.33096/jffi.v4i2.265>
- Andarwulan, N., Batari, R., Sandrasari, D. A., Bolling, B., & Wijaya, H. (2010). Flavonoid Content and Antioxidant Activity of Vegetables from Indonesia. *Food Chemistry*, 121(4), 1231–1235. <https://doi.org/10.1016/j.foodchem.2010.01.033>
- Ardyanti, N. K. N. T., Suhendra, L., & Puta, G. P. G. (2020). Pengaruh Ukuran Partikel dan Lama Maserasi terhadap Karakteristik Ekstrak Virgin Coconut Oil Wortel (*Daucus carota* L.) sebagai Pewarna Alami. *Jurnal Rekayasa Dan Manajemen Agroindustri*, 8(3), 423–434. <https://doi.org/10.24843/jrma.2020.v08.i03.p11>
- Arifin, B., & Ibrahim, S. (2018). Struktur, Bioaktivitas dan Antioksidan Flavonoid. *Jurnal Zarah*, 6(1), 21–29. <https://doi.org/10.31629/zarah.v6i1.313>
- Artanti, N., Dewi, R. T., & Maryani, F. (2014). Pengaruh Lokasi dan Pelarut Pengekstraksi terhadap Kandungan Fitokimia dan Aktivitas Antioksidan Ekstrak Pegagan (*Centella asiatica* L. Urb). *Jurnal Kimia Terapan Indonesia*, 16(2), 88–82. <https://doi.org/10.14203/jkti.v16i2.13>
- Azmin, S. N. H. M., & Nor, M. S. M. (2020). Chemical Fingerprint of *Centella asiatica*'s Bioactive Compounds in the Ethanolic and Aqueous Extracts. *Advances in Biomarker Sciences and Technology*, 2, 35–44. <https://doi.org/10.1016/j.abst.2020.10.001>
- Chang, C. C., Yang, M. H., Wen, H. M., & Chern, J. C. (2002). Estimation of Total Flavonoid Content in Propolis by Two Complementary Colometric Methods. *Journal of Food and Drug Analysis*, 10(3), 178–182. <https://doi.org/10.38212/2224-6614.2748>
- Chirinos, R., Rogez, H., Campos, D., Pedreschi, R., & Larondelle, Y. (2007). Optimization of Extraction Conditions of Antioxidant Phenolic Compounds from Mashua (*Tropaeolum tuberosum* Ruiz & Pavón) Tubers. *Separation and Purification Technology*, 55(2), 217–225. <https://doi.org/10.1016/j.seppur.2006.12.005>
- Departemen Kesehatan RI. (2017). *Farmakope Herbal Indonesia*. Jakarta: Kementerian Kesehatan Republik Indonesia.
- Diniarti, I., & Iljanto, S. (2017). Strategi Peningkatan Daya Saing Industri Obat Tradisional (IOT) Tahun 2017. *Jurnal Kebijakan Kesehatan Indonesia*, 6(4), 184–192.
- Ghasemzadeh, A., Baghdadi, A., Jaafar, H. Z. E., Swamy, M. K., & Wahab, P. E.



- M. (2018). Optimization of Flavonoid Extraction from Red and Brown Rice Bran and Evaluation of the Antioxidant Properties. *Molecules*, 23(8), 1–18. <https://doi.org/10.3390/molecules23081863>
- Hani, R. C., & Milanda, T. (2016). Review: Manfaat Antioksidan Pada Tanaman Buah di Indonesia. *Farmaka*, 14(1), 184–190.
- Harborne, J. B. (1987). *Metode Fitokimia: Penuntun Cara Modern Menganalisis Tumbuhan* (2nd ed.). Penerbit ITB Bandung.
- Kumar, S., & Pandey, A. K. (2013). Chemistry and Biological Activities of Flavonoids: An Overview. *The Scientific World Journal*, 2013, 1–16. <https://doi.org/10.1016/B978-0-12-819096-8.00048-3>
- Kumari, S., Deori, M., Elancheran, R., Kotoky, J., & Devi, R. (2016). In Vitro and In Vivo Antioxidant, Anti-Hyperlipidemic Properties and Chemical Characterization of *Centella asiatica* (L.) Extract. *Frontiers in Pharmacology*, 7, 1–12. <https://doi.org/10.3389/fphar.2016.00400>
- Lestari, A. B. S., Fudholi, A., Nugroho, A. K., & Setyowati, E. P. (2015). Pengaruh Purifikasi n-Heksana pada Serbuk Simplisia terhadap Kadar Asiatisida, Penangkapan Radikal Bebas dan Kadar Fenol Total Ekstrak Etanolik Herba Pegagan (*Centella asiatica* (L.) Urban). *Jurnal Ilmu Kefarmasian Indonesia*, 13(1), 10–16.
- Li, T., Xu, J., Wu, H., Wang, G., Dai, S., Fan, J., He, H., & Xiang, W. (2016). A Saponification Method for Chlorophyll Removal From Microalgae Biomass as Oil Feedstock. *Marine Drugs*, 14(9), 1–19. <https://doi.org/10.3390/md14090162>
- Liu, F. F., Ang, C. Y. W., & Springer, D. (2000). Optimization of Extraction Conditions for Active Components in *Hypericum perforatum* Using Response Surface Methodology. *J. Agric. Food Chem*, 48(8), 3364–3371.
- Mabry, T. J., Markham, K. R., & Thomas, M. B. (1970). *The Systematic Identification of Flavonoids*. Springer.
- Mahzir, K. A. M., Gani, S. S. A., Zaidan, U. H., & Halmi, M. I. E. (2018). Development of *Phaleria macrocarpa* (Scheff.) Boerl Fruits Using Response Surface Methodology Focused on Phenolics, Flavonoids and Antioxidant Properties. *Molecules*, 23(4), 1–22. <https://doi.org/10.3390/molecules23040724>
- Makanjuola, S. A. (2017). Influence of Particle Size and Extraction Solvent on Antioxidant Properties of Extracts of Tea, Ginger, and Tea–Ginger Blend. *Food Science and Nutrition*, 5(6), 1179–1185. <https://doi.org/10.1002/fsn3.509>
- Mukhtarini. (2014). Ekstraksi, Pemisahan Senyawa, dan Identifikasi Senyawa Aktif. *Jurnal Kesehatan*, 7(2), 361–367. <https://doi.org/10.1007/s11293-018-9601-y>



- Mustafa, R. A., Hamid, A. A., Mohamed, S., & Bakar, F. A. (2010). Total Phenolic Compounds, Flavonoids, and Radical Scavenging Activity of 21 Selected Tropical Plants. *Journal of Food Science*, 75(1), 28–35. <https://doi.org/10.1111/j.1750-3841.2009.01401.x>
- Nareswari, T. L., & Triana, H. (2016). Optimization Of Ethanol-Water Composition As Extraction Solvent In Producing Sambung Nyawa (*Gynura procumbens* (Lour.) Merr.) Leaves Dry Extract. *Traditional Medicine Journal*, 21(1), 24–29.
- Niño-Zarazúa, M. (2012). Quantitative Analysis in Social Sciences: An Brief Introduction for Non-Economists. *SSRN Electronic Journal*, 1–26. <https://doi.org/10.2139/ssrn.2066058>
- Noviyanty, A., Salingkat, C. A., & Syamsiar. (2019). Pengaruh Rasio Pelarut terhadap Ekstraksi dari Kulit Buah Naga Merah (*Hylocereus polyrhizus*). *KOVALEN*, 5(3), 280–289.
- Nugroho, A. (2017). Buku Ajar: Teknologi Bahan Alam. In *Lembung Mangkurat University Press* (Issue January 2017).
- Puspitasari, A. D., & Prayogo, L. S. (2017). Perbandingan Metode Ekstraksi Maserasi dan Sokletasi terhadap Kadar Fenolik Total Ekstrak Etanol Daun Kersen (*Muntingia calabura*). *Jurnal Ilmiah Cendekia Eksakta*, 2(1), 1–8.
- Putri, I. A. K., Riwayati, I., & Maharani, F. (2020). Ekstraksi Flavonoid pada Daun Beluntas (*Pluchea Indica Less*) Menggunakan Pelarut Air Berbantu Gelombang Mikro. *Inovasi Teknik Kimia*, 5(1), 38–41.
- Rachmatiah, T., Putri, F. E., & Dewi, R. T. (2015). Activity of Ethanol and Methanol Extracts from Red Pegagan Leaves (*Centella asiatica* (L.) Urban. Var. Manoko) as in Vitro Antioxidant and Anti Diabetic. *Sainstech Farma*, 8(2), 14–17.
- Rahayu, N. K. T., Permana, I. D. G. M., & Puspawati, G. A. K. D. (2020). Pengaruh Waktu Maserasi terhadap Aktivitas Antioksidan Ekstrak Daun Pegagan (*Centella asiatica* (L.) Urban). *Jurnal Itepa*, 9(4), 482–489.
- Redha, A. (2010). Flavonoid: Struktur, Sifat Antioksidatif dan Peranannya dalam Sistem Biologis. *Jurnal Berlin*, 9(2), 196–202. <https://doi.org/10.1186/2110-5820-1-7>
- Saifuddin, A. (2020). Apakah Desain Eksperimen Satu Kelompok Layak Digunakan? *Literasi : Jurnal Kajian Keislaman Multi-Perspektif*, 1(1), 1–22. <https://doi.org/10.22515/literasi.v1i1.3255>
- Sari, D. Y., Widayarsi, R., & Taslima, A. N. (2021). Penentuan Kadar Flavonoid Total Ekstrak Etanol Jamur Susu Harimau (*Lignosus rhinocerus*). *Jurnal Farmasi Udayana*, 10(1), 23–30. <https://doi.org/10.24843/jfu.2021.v10.i01.p03>



Sari, Mairisya, M., & Kurniasari, R. (2019). Ekstraksi Galaktomanan Dari Ampas Kelapa Sebagai Bahan Baku Bioplastik. *Prosiding Seminar Nasional Sains Dan Teknologi*, 1(1), 5–9.

Selvamuthu, D., & Das, D. (2018). Introduction to Statistical Methods, Design of Experiments and Statistical Quality Control. In *Instrumentation Design Studies*. Springer Nature Singapore. <https://doi.org/10.1201/9781439819487-c1>

Sembiring, B., & Suhirman, S. (2014). Pengaruh Cara Pengeringan dan Teknik Ekstraksi terhadap Kualitas Simplisia dan Ekstrak Meniran. *Prosiding Seminar Nasional Pengembangan Teknologi Pertanian*, 509–513.

Singh, S., Singh, D. R., Banu, V. S., & Avinash, N. (2014). Functional Constituents (Micronutrients and Phytochemicals) and Antioxidant Activity of *Centella asiatica* (L.) Urban Leaves. *Industrial Crops & Products*, 61, 115–119. <https://doi.org/10.1016/j.indcrop.2014.06.045>

Subositi, A. P. D. (2014). Analisis Ukuran Partikel Bahan Penyusun Ramuan Jamu dan Volume Air Penyari terhadap Mutu Ekstrak Yang Dihasilkan. *Jurnal Ilmu Farmasi Dan Farmasi Klinik*, 111–115. <https://doi.org/10.31942/jiffk.v0i0.1211>.

Susetyarini, E., Latifa, R., Poncojari, W., & Nurrohman, E. (2020). *Atlas Morfologi dan Anatomi Pegagan (Centella asiatica (L.) Urban) Dilengkapi dengan Pengamatan SEM*. Universitas Muhammadiyah Malang. https://eprints.umm.ac.id/71256/24/Susetyarini_Latifa_Wahyono_Nurrohman - Atlas Morfologi Dan Anatomi Pegagan.pdf

Sutardi. (2016). Kandungan Bahan Aktif Tanaman Pegagan dan Khasiatnya untuk Meningkatkan Sistem Imun Tubuh. *Jurnal Penelitian Dan Pengembangan Pertanian*, 35(3), 121–130. <https://doi.org/10.21082/jp3.v35n3.2016.p121-130>

Syamsul, E. S., Amanda, N. A., & Lestari, D. (2020). Perbandingan Ekstrak Lamur *Aquilaria Malaccensis* dengan Metode Maserasi dan Refluks. *Jurnal Riset Kefarmasian Indonesia*, 2(2), 97–104.

Tetha, D. A., & Sugiarso, R. D. (2016). Pebandingan Metode Analisa Kadar Besi antara Serimetri dan Spektrofotometer UV-Vis dengan Pengompleks 1,10-Fenantrolin. *Akta Kimia Indonesia*, 1(1), 8. <https://doi.org/10.12962/j25493736.v1i1.1419>

Wagner, H., & Bladt, S. (2001). Plant Drug Analysis. In *The Control Handbook: Second Edition*. <https://doi.org/10.1201/9781315218694-20>

Widyani, M., Ulfa, M., & Wirasisya, D. . (2019). Efek Penghambatan Radikal Bebas Infusa dan Ekstrak Etanol Herba Pegagan (*Centella asiatica* (L.) Urb) dengan Metode DPPH. *J. Pijar MIPA*, 14(1), 100–106. <https://doi.org/10.29303/jpm.v14.i1.1006>



Winarto, & Surbakti, M. (2003). *Khasiat & Manfaat Pegagan: Tanaman Penambah Daya Ingat* (1st ed.). Agromedia Pustaka.

Wong, B. ., Tan, C. ., & Ho, C. . (2013). Effect of Solid-to-Solvent Ratio on Phenolic Content and Antioxidant Capacities of “Dukung Anak” (*Phyllanthus niruri*). *International Food Research Journal*, 20(1), 325–330.

Yanlinastuti, & Fatimah, S. (2016). Pengaruh Konsentrasi Pelarut untuk Menentukan Kadar Zirkonium dalam Paduan U-Zr dengan Menggunakan Metode Spektrofotometri UV-Vis. *PIN Pengelolaan Instalasi Nuklir*, 9(17), 22–33.

Zhang, Q. W., Lin, L. G., & Ye, W. C. (2018). Techniques for Extraction and Isolation of Natural Products: A Comprehensive Review. *Chinese Medicine (United Kingdom)*, 13(20), 1–26. <https://doi.org/10.1186/s13020-018-0177-x>