

DAFTAR PUSTAKA

- Abdulrahman, M. D. (2021). Review Of Ethnopharmacology, Morpho-Anatomy, Biological Evaluation And Chemical Composition of *Syzygium polyanthum*. 9(1), 167–177. <https://horizonepublishing.com/journals/index.php/PST/article/view/1386>
- Arsul, M. I., Tahar, N., & Rauf, A. (2022). Analisis Kualitatif dan Kuantitatif Antioksidan Parang Romang. *Jurnal Sains Dan Kesehatan*, 4(4), 379–385. <https://doi.org/10.25026/jsk.v4i4.1230>
- Aryani, R., Hazar, S., & Mardliyani, D. (2023). Aktivitas Antibakteri Ekstrak Etanol Biji Dan Buah Kupa (*Syzygium polichepalum* (miq.) Merr.& perry) Terhadap Bakteri Penyebab Jerawat. *Jurnal Ilmiah Farmasi Farmasyifa*, 6(1), 76–84. <https://doi.org/10.29313/jiff.v6i1.10708>
- Choirunnisa, A. R., Fidrianny, I., & Ruslan, K. (2016). Comparison of Five Antioxidant Assays for Estimating Antioxidant Capacity from Three Solanum SP. Extracts. *Asian Journal of Pharmaceutical and Clinical Research*, 9, 123–128. <https://doi.org/10.22159/ajpcr.2016.v9s2.13155>
- Danong, M. T., Nono, K. M., Boro, T. L., Ruma, M. T. L., & Jemida, M. K. (2023). Pemanfaatan Jenis-Jenis Tumbuhan Bahan Bangunan Rumah Adat Mbaru Niang Kampung Wae Rebo Desa Satar Lenda Kecamatan Satarmese Barat Kabupaten Manggarai. *Jurnal Biotropikal Sains*, 20(3), 53–62.
- Dessalegn, E., Mengisteab, M., Hiwot, G., & Nigatu, T. (2023). Determination of Total Phenolic And Flavonoid Contents, Antioxidant And Antibacterial Potential of The Bark Extracts of *Syzygium guineense* (Wild .) DC. *Research Sqaure*, 1–19. <https://doi.org/https://doi.org/10.1186/s12906-025-04788-z>
- Devitria, R., Elfia, M., & Cahyani, M. T. (2023). Uji Aktivitas Antioksidan Ekstrak Etanol Biji Jambu Bol (*Syzygium malaccense* (L.) Merr. & Perry) Dengan Metode 1,1-Diphenyl-2-Picryhidrazyl (DPPH). *Jurnal Penelitian Dan Pengkajian Ilmiah Eksakta*, 2(1), 51–55. <https://doi.org/10.47233/jppie.v2i1.694>
- Dewantoro, A. I., Putri, S. H., & Mardawati, E. (2022). Analisis Kualitatif Kandungan Senyawa Polifenol Pada Daun Herba Kitolod (*Hippobroma longiflora* (L.) G.Don) Dan Potensi Pemanfaatannya Sebagai Sumber Polifenol Alami. *Agrointek : Jurnal Teknologi Industri Pertanian*, 16(3), 412–419. <https://doi.org/10.21107/agrointek.v16i3.13235>
- Dontha, S. (2016). A Review On Antioxidant Methods. *Asian Journal of Pharmaceutical and Clinical Research*, 9(2), 14–32. <https://doi.org/10.22159/ajpcr.2016.v9s2.13092>
- Akhal, F., Alami, A., Chahmi, N., Filali Mouatasseem, T., El Fattouhi, Y., Benboubker, M., Amaich, R., Benrezzouk, R., Taghzouti, K., Talbi, F. Z., & El Ouali Lalami, A. (2024). Phytochemical Screening, Chemical Composition and Larvicidal Efficacy of *Syzygium aromaticum* Extracts and Essential Oil

- against *Culex pipiens*. *Tropical Journal of Natural Product Research*, 8(1), 5962–5967. <https://doi.org/10.26538/tjnpr/v8i1.35>
- Farnsworth. (1966). Biological And Phytochemical Sreening of Plant. *Journal of Pharmaceutical Sciences*, 55 (3). <https://doi.org/https://doi.org/10.1126/science.151.3712.874>
- Fitriyanti, N. (2024). Pengaruh Bobot Jenis Terhadap Kadar Fenolik Total Ekstrak Etanol Beberapa Bagian Tumbuhan Kupa (*Syzygium polycephalum*). Universitas Bakti Tunas Husada.
- Florensia, S., & Wijaya, A. (2023). Pengaruh Perbedaan Pelarut terhadap Hasil Skrining Fitokimia Ekstrak Daun Tapak Liman (*Elephantopus scaber* L.). *Jurnal Ilmiah Farmasi Simplisia*, 3(2), 128–134. <https://doi.org/10.30867/jifs.v3i2.402>
- Forestryana, D., & Arnida. (2020). Phytochemical Screenings and Thin Layer Chromatography Analysis of Ethanol Extract Jeruju Leaf (*Hydrolea spinosa* L.). *Jurnal Ilmiah Farmako Bahari*, 113–124.
- Hakim, S. A., Agustien, G. S., & Enda1, S. R. N. (2024). Karakteristik Parameter Mutu Ekstrak Daun Afrika (*Vernonia amygdalina* Del) Dan Penetapan Kadar Flavonoid Berdasarkan 3 Tempat Tumbuh. 01(01), 35–49.
- Hariyanti, R., Pamela, V. Y., & Kusumasari, S. (2021). Review Jurnal: Aktivitas Antioksidan Pada Beberapa Produk Berbahan Dasar Kulit Buah Naga Merah. *JITIPARI (Jurnal Ilmiah Teknologi Dan Industri Pangan UNISRI)*, 6(1), 41–48. <https://doi.org/10.33061/jitipari.v6i1.4617>
- Hartanti, L., Ashari, A. M., & Warsidah, W. (2021). Total Phenol and Antioxidant Activity of Ethanol Extract and Water Extract from Claw *Uncaria gambir* Roxb. *Berkala Sainstek*, 9(3), 131. <https://doi.org/10.19184/bst.v9i3.27179>
- Hartati, R., Widodo, Y., Tarigan, C., & Fidrianny, I. (2022). Green Honey Deli Water Apple (*Syzygium aqueum* (Burm. f.) Alston (“Madu Deli Hijau”): Evaluation Of Antioxidant Activities And Phytochemical Content. *Open Access Macedonian Journal of Medical Sciences*, 10(A), 1429–1435. <https://doi.org/10.3889/oamjms.2022.9743>
- Hikmawanti, N. P. E., Yumita, A., & Siregar, J. E. (2022). Identifikasi Kualitatif Fenolik dan Penapisan Aktivitas Peredaman Radikal DPPH Menggunakan KLT pada Ekstrak Batang *Pluchea indica* L. As-Syifaa *Jurnal Farmasi*, 14(2), 89–96. <https://doi.org/10.56711/jifa.v14i2.812>
- Irsal, R. A. P., Rosyidah, R. A., Agung Kurnia, M. R., Aisyah, S. I., & Nurcholis, W. (2023). Potensi Senyawa Antioksidan Dari Tanaman Krokot (*Portulaca grandiflora*): Narrative Review. *Jurnal Farmamedika (Pharmamedica Journal)*, 8(1), 25–35. <https://doi.org/10.47219/ath.v8i1.192>
- Itam, A., & Anna, L. (2020). Antioxidant Activities, Cytotoxic Properties And Total Phenolic Content of *Syzygium malaccense* (L.) Merr. & L.M. Perry Leaves Extracts: A West Sumatera Indonesian plant. *Pakistan Journal of Pharmaceutical Sciences*, 33(1), 175–181. <https://doi.org/10.36721/>

PJPS.2020.33.1.REG.175-181.1

- Juanda, D., Aligita, W., Elfahmi, Hartati, R., & Musaad, S. (2018). Antioxidant and Alpha Glucosidase Inhibition Activity of Kupa (*Syzygium polychepalum* Miq.) Cortex. International Journal of Pharmaceutical and Phytopharmacological Research (EIJPPR), 8(3), 33–38. [https:// www.researchgate.net/publication/326984913](https://www.researchgate.net/publication/326984913)
- Julianto, T. S. (2019). Fitokimia Tinjauan Metabolit Sekunder dan Skrining Fitokimia. In Jakarta penerbit buku kedokteran EGC (Vol. 53, Issue 9).
- Kesuma, Y. (2015). Antioksidan Alami Dan Sintetik.
- Kristina, C. V. M., Ari Yusrini, N. L., & Yusa, N. M. (2022). Pengaruh Waktu Ekstraksi Dengan Menggunakan Metode Ultrasonic Assisted Extraction (UAE) Terhadap Aktivitas Antioksidan Ekstrak Daun Duwet (*Syzygium cumini*). Jurnal Ilmu Dan Teknologi Pangan (ITEPA), 11(1), 13. <https://doi.org/10.24843/itepa.2022.v11.i01.p02>
- Lestari, D. A., Ramadhan, R., Phuwapraisirisan, P., Firdaus, Y. H. F., Kurnia, I. T., Hariyanto, N. A., Suhartini, S., Abdulgani, N., Fariha, N. M., Phontree, K., Saibun, S., & Pratiwi, D. R. (2025). Phytochemicals, Antidiabetic, and Antioxidant Activities of *Syzygium polyanthum* Achieved by GC-MS Analysis, α -Glucosidase Inhibition and Kinetic Mechanism along with a Free Radicals Scavenging Activities. Moroccan Journal of Chemistry, 13(1), 34–56. <https://doi.org/10.48317/IMIST.PRSM/morjchem-v13i1.45267>
- Mauldyda, C. E., Yuniarti, R., Dalimunthe, G. I., & Nasution, H. M. (2023). Analysis Of Antioxidant Activity Of Jamblang (*Syzygium cumini* (L.) Skeels) Tea With DPPH (1,1-Diphenyl-2-Picrylhydrazyl) Method. 2(2), 189–201. <https://doi.org/https://doi.org/10.32696/fjfsk.v2i2.1890>
- Mitra, I., Saha, A., & Roy, K. (2011). QSPR of Antioxidant Phenolic Compounds Using Quantum Chemical Descriptors. Molecular Simulation, 37(5), 394–413. <https://doi.org/10.1080/08927022.2010.543980>
- Muhsin, L. B., & Ramandha, M. E. P. (2023). Ekstraksi Jahe (*Zingiberis officinale*) Dan Uji Pemisahan Kromatografi Lapis Tipis (KLT). Biocity Journal of Pharmacy Bioscience and Clinical Community, 1(2), 66–72. <https://doi.org/10.30812/biocity.v1i2.2802>
- Naji, K. M., Thamer, F. H., Numan, A. A., Dauqan, E. M., Alshaibi, Y. M., & D'souza, M. R. (2020). Ferric-Bipyridine Assay: A Novel Spectrophotometric Method for Measurement of Antioxidant Capacity. Heliyon, 6(1), e03162. <https://doi.org/10.1016/j.heliyon.2020.e03162>
- Nugraheni, T. S., Setiawan, I., Putri, A. A., Sukmawati, A. W., Khasanah, L. N., Nisa, L. K., Putri, L. N. H., Wulandari, S. K., & Riswana, S. A. (2024). Various Methods For Testing Antioxidant Activity. Jurnal of Pharmacy, 13(1), 39–50. <https://doi.org/https://doi.org/10.37013/jf.v13i1.240>
- Nurmalasari, T., Zahara, S., Arisanti, N., Mentari, P., Nurbaeti, Y., Lestari, T., Rahmiyani, I., (2016). Uji Aktivitas Antioksidan Ekstrak Buah Kupa

- (*Syzygium polycephalum*) Terhadap Radikal Bebas Dengan Metode DPPH. 16, 61–69. <https://doi.org/http://dx.doi.org/10.36465/jkbth.v16i1.167>
- Osman, M. A., Mahmoud, G. I., & Shoman, S. S. (2020). Correlation Between Total Phenols Content, Antioxidant Power And Cytotoxicity. *Biointerface Research in Applied Chemistry*, 11(3), 10640–10653. <https://doi.org/10.33263/BRIAC113.1064010653>
- Özyürek, M., Bektaşoğlu, B., Güçlü, K., Güngör, N., & Apak, R. (2008). Simultaneous Total Antioxidant Capacity Assay Of Lipophilic And Hydrophilic Antioxidants In The Same Acetone-Water Solution Containing 2% Methyl- β -Cyclodextrin Using The Cupric Reducing Antioxidant Capacity (CUPRAC) Method. *Analytica Chimica Acta*, 630(1), 28–39. <https://doi.org/10.1016/j.aca.2008.09.057>
- Perdana, F., Martiani, I., & Dhanti, D. (2019). Antioxidant Activity From Ethanol Extract Of Kupa Leaves (*Syzygium polycephalum*(Miq.) Merr& L. M.Perry) Using DPPH (2,2-diphenyl-1-picrylhydrazil) Method. *Journal of Physics: Conference Series*, 1402(5). <https://doi.org/10.1088/1742-6596/1402/5/055086>
- Pourmorad, F., Hosseinimehr, S. J., & Shahabimajd, N. (2006). Antioxidant Activity, Phenol And Flavonoid Contents Of Some Selected Iranian Medicinal Plants. *African Journal of Biotechnology*, 5(11), 1142–1145. <https://doi.org/10.1055/s-2007-987042>
- Pratiwi, F. K. D. (2024). Pengaruh Suhu Refluks Terhadap Aktivitas Antioksidan Pada Ekstrak Daun Salam (*Syzygium polyanthum*) Dan Formulasinya Sebagai Sediaan Serum Wajah. *Indonesian Journal of Health Science*, 4(2), 114–121. <https://doi.org/10.54957/ijhs.v4i2.508>
- Purnamasari, I., Rohama, R., & Noval, N. (2024). Uji Aktivitas Antioksidan Ekstrak Daun Pepaya Jepang (*Cnidioscolus acanitifolius*) dengan Metode FRAP. *Jurnal Surya Medika*, 10(1), 244–252. <https://doi.org/10.33084/jsm.v10i1.7205>
- Puspitasari, D. F., & Sofandi, A. (2020). (Phytochemical Screening, Physical Formulation And Characteristics Test Double Emulsion Kupa Dried Fruit (*Syzygium Polycephalum* Merr). *Jurnal Kefarmasian Akfarindo*, 5(1), 8–14. <https://doi.org/https://doi.org/10.37089/jofar.v0i0.74>
- Puspitasari, L., & Dira, M. A. (2022). Phytochemical Screening And Antidiabetic Activities Test of Ethanol Extract From *Syzygium cumini* L. seeds In Male Wistar Rats Induced By Alloxan. *Pharmacy Education*, 22(2), 165–168. <https://doi.org/10.46542/pe.2022.222.165168>
- Rahmiyani, I., Dewi, wulan novia, Pratita, A. T. K., & Shaleha, R. R. (2022). Formulasi Krim Ekstrak Biji Kupa (*Syzygium polycephalum*) Dan Penentuan Nilai SPF (Sun Protection Factor) Secara In Vitro. *Braz Dent J.*, 33(1), 1–12. <https://doi.org/https://doi.org/10.36387/jiis.v7i2.984>

- Rahmiyani, I., Nur'aripin, T., Pebiansyah, A., & R. Shaleha, R. (2022). Antihyperuricemia Activity Of Kupa (*Syzygium polycephalum*) Seed Extracts In Male White Mice. Indonesian Journal of Pharmaceutical Science and Technology, 1(1), 70. <https://doi.org/10.24198/ijpst.v1i1.42882>
- Roni, A., Fitriani, L., & Marliani, L. (2019). Penetapan Kadar Total Flavonoid, Fenolat, Dan Karotenoid, Serta Uji Aktivitas Antioksidan Dari Daun Dan Kulit Batang Tanaman Kenitu (*Chrysophyllum cainito* L.). Jurnal Sains Dan Kesehatan, 3(1), 242–247.
- Rosamah, E. (2019). Kromatografi Lapis Tipis Metode Sederhana Dalam Analisis Kimia Tumbuhan Berkayu. Mulawarman University Press, 5(2), 40–51.
- Salsabilla, H., Febriyanti, R., & Amananti, W. (2023). Penentuan Aktivitas Antioksidan Infudasi Akar Bajakah Tampala (*Spatholobus littoralis* Hassk) Dan Kalalawit (*Uncaria gambir* Roxb) Dengan Metode DPPH. Jurnal Crystal : Publikasi Penelitian Kimia Dan Terapannya, 5(1), 22–29. <https://doi.org/10.36526/jc.v5i1.2583>
- Setiabudi, A., Pringgenies, D., & Ridlo, A. (2020). Aktivitas Penangkapan Radikal Bebas DPPH dan Daya Reduksi Ekstrak *Gracilaria verrucosa*. JRST (Jurnal Riset Sains Dan Teknologi), 4(2), 47. <https://doi.org/10.30595/jrst.v4i2.5761>
- Singla, R. K., Dubey, A. K., Garg, A., Sharma, R. K., Fiorino, M., Ameen, S. M., Haddad, M. A., & Al-Hiary, M. (2019). Natural Polyphenols: Chemical Classification, Definition Of Classes, Subcategories, And Structures. Journal of AOAC International, 102(5), 1397–1400. <https://doi.org/10.5740/jaoacint.19-0133>
- Sugihartini, A., & Maryati, M. (2022). Uji Aktivitas Antioksidan Ekstrak Daun Pucuk Merah (*Syzygium myrtifolium*) Dan Penetapan Kadar Fenol Total. Usadha Journal of Pharmacy, 1(3), 267–277. <https://doi.org/10.23917/ujp.v1i3.77>
- Suhaenah, A., Tahir, M., & Mondo, Z. A. (2024). Perbandingan Kadar Fenolik Ekstrak Daun Karet Kebo (*Ficus elastica*) Hasil Ekstraksi Bertingkat Menggunakan Metode Spektrofotometri UV- Vis. 2(3), 415–426. <https://doi.org/https://doi.org/10.33096/mpsj.v2i3.278>
- Suhartati, T. (2017). Dasar-Dasar Spektrofotometri UV-VIS Dan Spektrometri Massa Untuk Penentun Struktur Senyawa Organik.
- Sukweenadhi, J., Yunita, O., Setiawan, F., Kartini, Siagian, M. T., Danduru, A. P., & Avanti, C. (2020). Antioxidant Activity Screening of Seven Indonesian Herbal Extract. Biodiversitas, 21(5), 2062–2067. <https://doi.org/10.13057/biodiv/d210532>
- USDA. (2024). Taxon *Syzygium polycephalum*. <https://acir.aphis.usda.gov/s/cird-taxon/a0ut0000000rCgPAAU/syzygium-polycephalum>
- Walid, M., & Putri, D. N. (2023). Skrining Senyawa Metabolit Sekunder Dan Total Fenol Kopi Robusta (*Coffea canephora* Pierre Ex a. Froehner) Di Daerah Petungkriyono Pekalongan. Pena Jurnal Ilmu Pengetahuan Dan Teknologi,

37(1), 1. <https://doi.org/10.31941/jurnalpena.v37i1.2928>

- Wardana, A. P., Arwanda, R., & Nabila, S. (2015). Uji Skrining Fitokimia Ekstrak Metanol Tumbuhan Gowok (*Syzygium polycephalum*). June 2018, 3–4.
- Warono, D., & Syamsudin. (2016). Unjuk Kerja Spektrofotometer Analisa Zat Aktif Ketoprofen. *Konversi*, 2, 60. <https://doi.org/https://doi.org/10.24853/konversi.2.1.%25p>
- Wathsara, H. P. T., Weeratunge, H. D., Mubarak, M. N. A., Godakumbura, P. I., & Ranasinghe, P. (2020). In Vitro Antioxidant and Antidiabetic Potentials of *Syzygium caryophyllatum* L. Alston. *Evidence-Based Complementary and Alternative Medicine*, 2020. <https://doi.org/10.1155/2020/9529042>
- Widwastuti, H., Asworo, R. Y., Tjahjaningsih, Y. S., Wulandari, N. C., & Dewi, A. (2022). Pengaruh Ukuran Simplisia Dan Lama Kontak Pada Ekstraksi Senyawa Aktif Simplisia Kayu Jawa (*Lannea Coromandelica*) Menggunakan Metode Maserasi. *Jurnal Kimia Mulawarman*, 19(2), 86. <https://doi.org/10.30872/jkm.v19i2.1141>
- Wismayani, L., Abdul, R., & Minarsih, T. (2022). Penentuan Kadar Fenolik dan Flavonoid Total Ekstrak Daun Renggak (*Amomum dealbatum* Roxb.) dari Berbagai Pelarut Secara Spektrofotometri Uv-Vis. *Indonesian Journal of Pharmacy and Natural Product*, 03(1), 59–67. <https://doi.org/https://doi.org/10.35473/ijpnp.v5i2.1879>
- Xiao, F., Xu, T., Lu, B., & Liu, R. (2020). Guidelines For Antioxidant Assays For Food Components. *Food Frontiers*, 1(1), 60–69. <https://doi.org/10.1002/fft2.10>
- Yefrida, Ashikin, N., Ashikin, N., & Refilda. (2015). Validasi Metoda FRAP Modifikasi Pada Penentuan Kandungan Antioksidan Total Dalam Sampel Mangga Dan Rambutan. *Jurnal Riset Kimia*, 8(2), 170. <https://doi.org/10.25077/jrk.v8i2.236>
- Zega, U. (2020). Inventarisasi Tumbuhan Antimikroba Di Kecamatan Maniamolo Sebagai Penuntun Praktikum Pada Mata Kuliah Mikrobiologi Program Studi Pendidikan Biologi. *Jurnal Education and Development*, 8(2), 549–554.