

DAFTAR PUSTAKA

- (1) Maulana, T. I.; Falah, S.; Andrianto, D. Total Phenolic Content, Total Flavonoid Content, and Antioxidant Activity of Water and Ethanol Extract from Surian (*Toona Sinensis*) Leaves. *IOP Conf. Ser. Earth Environ. Sci.* 2019, 299 (1). <https://doi.org/10.1088/1755-1315/299/1/012021>.
- (2) Nurhasnawati, H.; Sundu, R.; Sapri; Supriningrum, R.; Kuspradini, H.; Arung, E. T. Antioxidant Activity, Total Phenolic and Flavonoid Content of Several Indigenous Species of Ferns in East Kalimantan, Indonesia. *Biodiversitas* 2019, 20 (2), 576–580. <https://doi.org/10.13057/BIODIV/D200238>.
- (3) Yefrida, Y.; Refilda, R.; Hamidah, N.; Rosman, W. Penentuan Kandungan Antioksidan Total Pada Infusa Selada Hijau (*Lactuca Sativa L.*) Hidroponik Dan Konvensional Secara Spektrofotometri Dengan Modified Phenanthroline Method (MPM). *J. Ris. Kim.* 2022, 13 (1), 122–129. <https://doi.org/10.25077/jrk.v13i1.492>.
- (4) Siregar, D. R.; Aththorick, T. A.; Siregar, E. S. Potential of Type and Benefit Piperaceae for Communities in Tangkahan Forest Area. *Budapest Int. Res. Critics Institute-Journal* 2021, 4 (4), 10775–10783.
- (5) Kaur, S. Study of Total Phenolic and Flavonoid Content, Antioxidant Activity and Antimicrobial Properties of Medicinal Plants. *J. Microbiol. Exp.* 2014, 1 (1). <https://doi.org/10.15406/jmen.2014.01.00005>.
- (6) Gurning, K.; Lumbangaol, S.; F. R. Situmorang, R.; Silaban, S. Determination of Phenolic Contents and Antioxidant Activity Test of Ethanol Extract of Sirih Merah (*Piper Crocatum Ruiz & Pav.*) Leaves Using the DPPH Method. *J. Pendidik. Kim.* 2021, 13 (2), 137–142. <https://doi.org/10.24114/jpkim.v13i2.26984>.
- (7) Kunth, P. L. Evaluation of Antimicrobial Activity and Antioxidant Capacity of Peperomia *Pellucida* L. Kunth. *Myanmar Korea Conf. Res. J.* 2020, 3 (3), 1614–1621.
- (8) Herrera-Calderon, O.; Chacaltana-Ramos, L.; Yuli-Posadas, R. Á.; Pari-Olarte, B.; Enciso-Roca, E.; Tinco-Jayo, J. A.; Rojas-Armas, J. P.; Felix-Veliz, L. M. V.; Franco-Quino, C. Antioxidant and Cytoprotective Effect of *Piper Aduncum L.* against Sodium Fluoride (NaF)-Induced Toxicity in Albino Mice. *Toxics* 2019, 7 (2), 1–9. <https://doi.org/10.3390/TOXICS7020028>.
- (9) Et, O.; Sinica, L. EFEK PENGHAMBATAN RADIKAL BEBAS INFUSA DAN EKSTRAK ETANOL HERBA PEGAGAN (*Centella Asiatica (L.) Urb.*) DENGAN METODE DPPH. *J. Pijar MIPA* 2019, 2019 (2157), 1–57. <https://doi.org/10.29303/jpm.v14.i1.1006>.
- (10) Nur Oktavia, S.; Wahyuningsih, E.; Deti Andasari, S. Skrining Fitokimia Dari Infusa Dan Ekstrak Etanol 70% Daun Cincau Hijau(*Cyclea Barbata Miers*). *J. Ilmu Farm.* 2020, 11 (1), 2685–1229.
- (11) Phuyal, N.; Jha, P. K.; Raturi, P. P.; Rajbhandary, S. Total Phenolic, Flavonoid Contents, and Antioxidant Activities of Fruit, Seed, and Bark Extracts of *Zanthoxylum Armatum DC.* *Sci. World J.* 2020, 2020. <https://doi.org/10.1155/2020/8780704>.
- (12) Aryal, S.; Baniya, M. K.; Danekhu, K.; Kunwar, P.; Gurung, R.; Koirala, N. Total Phenolic Content, Flavonoid Content and Antioxidant Potential of Wild Vegetables from Western Nepal. *Plants* 2019, 8 (4). <https://doi.org/10.3390/plants8040096>.
- (13) Yamin; Ruslin; Sartinah, A.; Ihsan, S.; Kasmawati, H.; Suryani; Andriyani, R.; Asma; Adjeng, A. N. T.; Arba, M. Radical Scavenging Assay and Determination Flavonoid and Phenolic Total of Extract and Fractions of Raghu Bark

- (Dracontomelon Dao (Blanco) Merr). *Res. J. Pharm. Technol.* 2020, 13 (5), 2335–2339. <https://doi.org/10.5958/0974-360X.2020.00420.5>.
- (14) Putri, D. K.; Tukiran; Suyatno; Sabila, F. I. Antioxidant Activity from the Combination Ethanol Extract Secang Wood (*Caesalpinia Sappan L.*) and Red Ginger Rhizome (*Zingiber Officinale Roxb.*). *Adv. Eng. Res.* 2021, 209 (Ijcse), 143–147.
- (15) Natsir, H.; Wahab, A. W.; Budi, P.; Arif, A. R.; Arfah, R. A.; Djakad, S. R.; Fajriani, N. Phytochemical and Antioxidant Analysis of Methanol Extract of Moringa and Celery Leaves. *J. Phys. Conf. Ser.* 2019, 1341 (3). <https://doi.org/10.1088/1742-6596/1341/3/032023>.
- (16) Nurmazela, V.; Ridwanto, R.; Rani, Z. Antioxidant Activity Test of Barangan Banana Hump's Ethanol Extract (*Musa Paradisiaca (L.)*) with DPPH (1,1 Diphenyl-2-Picrylhydrazyl) Method. *Int. J. Sci. Technol. Manag.* 2022, 3 (5), 1478–1483. <https://doi.org/10.46729/ijstm.v3i5.610>.
- (17) Yefrida; Suyani, H.; Aziz, H.; Efdi, M. Comparison of Iron Reduction Methods on the Determination of Antioxidants Content in Vegetables Sample. *Orient. J. Chem.* 2018, 34 (5), 2418–2424. <https://doi.org/10.13005/ojc/340525>.
- (18) Kasiramar, G. ANTIOXIDANT POTENTIAL OF DIFFERENT PARTS (LEAVES , STEM , FRUIT , SEED , FLOWER AND ROOT) EXTRACTS OF CUCUMIS MELO VAR AGRESTIS Nadu , India Month of December 2017 and Verified from Government Siddha Medical College. *Ijpsr* 2021, 12 (January). [https://doi.org/10.13040/IJPSR.0975-8232.12\(1\).465-69](https://doi.org/10.13040/IJPSR.0975-8232.12(1).465-69).
- (19) Sarjani, T. M.; Mawardi, M.; Pandia, E. S.; Wulandari, D. IDENTIFIKASI MORFOLOGI DAN ANATOMI TIPE STOMATA FAMILI Piperaceae DI KOTA LANGSA. *J. IPA Pembelajaran IPA* 2017, 1 (2), 182–191. <https://doi.org/10.24815/jipi.v1i2.9693>.
- (20) Su Lay Yee, T. T. M. Study on Preliminary Phytochemical Screening , Antibacterial and Antioxidant Activities of *Piper Betle* L. (Betel Vine). *J. Myanmar Acad. Arts Sci* 2020, XVIII (1B), 262–267.
- (21) Majumder, P. PHYTOCHEMICAL, PHARMACOGNOSTICAL AND PHYSICOCHEMICAL STANDARDIZATION OF *Peperomia Pellucida* (L.) HBK. STEM. *Int. J. Compr. Pharm.* 2011, 02 (08), 1–3.
- (22) Men, T. T.; Tu, L. T. K.; Anh, N. T. K.; Phien, H. H.; Nhu, N. T. B.; Uyen, N. T. T.; Thu, N. T. A.; Quy, T. N.; Khang, D. T. Antioxidant and in Vitro Antidiabetic Activities of *Peperomia Pellucida* (L.) Kunth Extract. *Vet. Integr. Sci.* 2022, 20 (3), 683–693. <https://doi.org/10.12982/VIS.2022.052>.
- (23) Insanu, M.; Marliani, L.; Dinilah, N. P. Comparison of Antioxidant Activities from Four Species of *Piper*. *Pharmaciana* 2017, 7 (2), 305. <https://doi.org/10.12928/pharmaciana.v7i2.6935>.
- (24) Guerrini, A.; Sacchetti, G.; Rossi, D.; Paganetto, G.; Muzzoli, M.; Andreotti, E.; Tognolini, M.; Maldonado, M. E.; Bruni, R. Bioactivities of *Piper Aduncum L.* and *Piper Obliquum Ruiz & Pavon* (Piperaceae) Essential Oils from Eastern Ecuador. *Environ. Toxicol. Pharmacol.* 2009, 27 (1), 39–48. <https://doi.org/10.1016/j.etap.2008.08.002>.
- (25) Rizkia, B.; Meliadari, D.; Hajrin, W. The Comparison of Total Phenolic in The Extract of *Brucea Javanica* L. Merr Using Maceration and Sonication Extraction Methods. *J. Pharm. Sci* 2022, 5 (1), 27–37.
- (26) Dalimunthe, A.; Pertiwi, D.; Muhammad, M.; Kaban, V. E.; Nasri, N.; Satria, D. The Effect of Extraction Methods towards Antioxidant Activity of Ethanol Extract of *Picria Fel-Terrae* Lour. Herbs. *IOP Conf. Ser. Earth Environ. Sci.* 2022, 1115 (1), 1–6. <https://doi.org/10.1088/1755-1315/1115/1/012040>.
- (27) Wismayani, L.; Roni, A.; Minarsih, T. Penentuan Kadar Fenolik Dan Flavonoid

- Total Ekstrak Daun Renggak (*Amomum Dealbatum Roxb.*) Dari Berbagai Pelarut Secara Spektrofotometri Uv-Vis. *Indones. J. Pharm. Nat. Prod.* 2022, 5, 142–151.
- (28) Borah, A.; Selvaraj, S.; Holla, S. R.; De, S. Extraction and Characterization of Total Phenolic and Flavonoid Contents from Bark of *Swietenia Macrophylla* and Their Antimicrobial and Antioxidant Properties. *Arab. J. Chem.* 2022, 15 (12), 104370. <https://doi.org/10.1016/j.arabjc.2022.104370>.
- (29) Ismail, N. H.; Amira, N. H.; Latip, S. N. H. M.; Zain, W. Z. W. M.; Aani, S. N. A.; Aziman, N. A. Phytochemical Screening and Antioxidant Activity of *Melastoma Malabathricum* and *Chromolaena Odorata* by DPPH Radical Scavenging Method. *Food Res.* 2021, 5, 30–37. [https://doi.org/10.26656/fr.2017.5\(S4\).006](https://doi.org/10.26656/fr.2017.5(S4).006).
- (30) Wanigasekera, W. M. A. P.; Joganathan, A.; Pethiyagoda, R.; Yatiwella, L. N.; Attanayake, H. M. D. A. B. Comparison of Antioxidant Activity, Phenolic and Flavonoid Contents of Selected Medicinal Plants in Sri Lanka. *Ceylon J. Sci.* 2019, 48 (2), 155. <https://doi.org/10.4038/cjs.v48i2.7619>.
- (31) Suryati; Santoni, A.; Kartika, M. Z.; Aziz, H. Antioxidant Activity and Total Phenolic Content of Ethyl Acetate Extract and Fractions of *Lantana Camara* L. Leaf. *Der Pharma Chem.* 2016, 8 (8), 92–96.
- (32) Yefrida; Suyani, H.; Alif, A.; Efdi, M.; Aziz, H. Modification of Phenanthroline Method to Determine Antioxidant Content in Tropical Fruits Methanolic Extract. *Res. J. Chem. Environ.* 2018, 22 (4), 28–35.
- (33) Prastyowati, A.; Purwijantiningsih, L.; Pranata, F. Kualitas Kimia Dan Mikrobiologi Permen Keras Daun Sirih Hijau (*Piper Betle L.*) Sebagai Pakan Ternak Tambahan. *J. Sains Vet.* 2014, 32 (2), 191–198.
- (34) Ervina, M.; Nawu, Y. E.; Esar, S. Y. Comparison of in Vitro Antioxidant Activity of Infusion, Extract and Fractions of Indonesian Cinnamon (*Cinnamomum Burmannii*) Bark. *Int. Food Res. J.* 2016, 23 (3), 1346–1350.
- (35) Fathurohman, F.; Subang, P. N.; Husbandry, A. *Analisis Pangan*; 2022. <https://doi.org/10.17605/OSF.IO/J8V9P>.
- (36) Rahardjo, M.; Mangalik, G.; Sihombing, M.; Da Costa, J. F. Effect of the Extraction Solvent Polarity and the Ratio of Feed and Solvent on the Phytochemical Content and Antioxidant Activity of Red Betel Leaves (*Piper Crocatum*). *Indones. J. Agric. Res.* 2018, 1 (1), 71–77. <https://doi.org/10.32734/injar.v1i1.173>.
- (37) Sitorus, E.; Momuat, lidya irma; Katja, dewa gede. ANTIOXIDANT ACTIVITY OF *Peperomia Pellucida* [L .] Kunth. *J. Ilm. sains* 2013, 13, 80–85.
- (38) Regency, E. L.; Sulawesi, S. ANALISIS KADAR FLAVONOID TOTAL EKSTRAK RUMPUT KNOP (*HYPTIS CAPITATA JACQ*) DENGAN METODE SPEKTROFOTOMETRI UV-VIS. *Cokroaminoto J. Chem. Sci.* 5 (1), 20–24.
- (39) Putri, D. K.; Fauzia, S.; Sabila, I. Antioxidant Activity from The Combination Ethanol Extract Secang Wood (*Caesalpinia Sappan L .*) And Red Ginger Rhizome (*Zingiber Officinale Roxb .*). *Int. Jt. Conf. Sci. Eng. 2021 (IJCSE 2021)* 2021, 209 (Ijcse), 143–147.
- (40) Indirayati, N.; Nisa, K.; Kurang, R. Y.; Tarmo, N. C.; Adang, K. T. P. Radical Scavenging Activity and Total Phenolic Content of Seven Tropical Plants. *IOP Conf. Ser. Earth Environ. Sci.* 2020, 462 (1). <https://doi.org/10.1088/1755-1315/462/1/012043>.
- (41) Jaiswal, S. G.; Patel, M.; Saxena, D. K.; Naik, S. N. Antioxidant Properties of *Piper Betel* (L) Leaf Extracts from Six Different Geographical Domain of India. *J. Bioresour. Eng. Technol.* 2014, 2 (2), 12–20.
- (42) Nofita, D.; Sari, S. N.; Mardiah, H. Penentuan Fenolik Total Dan Flavonoid Ekstrak Etanol Kulit Batang Matoa (*Pometia Pinnata* J.R& G.Forst) Secara

- Spektrofotometri. *Chim. Nat. Acta* 2020, 8 (1), 36.
<https://doi.org/10.24198/cna.v8.n1.26600>.
- (43) Dasgupta, N.; De, B. Antioxidant Activity of Piper Betle L. Leaf Extract in Vitro. *Food Chem.* 2004, 88 (2), 219–224.
<https://doi.org/10.1016/j.foodchem.2004.01.036>.

