

DAFTAR PUSTAKA

- 1 Martemucci, G.; Costagliola, C.; Mariano, M.; D'andrea, L.; Napolitano, P.; D'Alessandro, A. G.: Free Radical Properties, Source and Targets, Antioxidant Consumption and Health. *Oxygen* 2022, 2 (2), 48–78. <https://doi.org/10.3390/oxygen2020006>.
- 2 Windono, T.; Soediman, S.; Yudawati, U.; Ermawati, E.; Srielita, A.; Erowati, T. I.: Uji Peredam Radikal Bebas Terhadap 1, 1-Diphenyl-2-Picrylhydrazyl (DPPH) dari Ekstrak Kulit Buah dan Biji Anggur (*Vitis Vinifera* L.) Probolinggo Biru Dan Bali. *Artocarpus* 2001, 1 (1), 38–39.
- 3 Radical, F.; Activity, S.; Alsophila, O. F.; Sm, J.: Aktivitas Penangkap Radikal Bebas dari Batang Pakis (*Alsophila Glauca* J. Sm). *Maj. Obat Tradisional*, 16(3) 2011, 16 (3), 156 – 160.
- 4 Darsana, I. G. O.; Besung, I. N. K.; Mahatmi, H.: Potensi Daun Binahong (*Anredera Cordifolia* (Tenore) Steenis) dalam Menghambat Pertumbuhan Bakteri *Escherichia coli* secara in Vitro. *Indones. Med. Veterinus* 2012, 1 (3), 337–351.
- 5 Arifin, B.; Suryati; Tetra, O. N.; Maghfirah, S.: Aktivitas Antibakteri Senyawa Metabolit Sekunder dari Fraksi Etil Asetat Daun Lengkung (*Dimocarpus longan* Lour.) dan Uji Aktivitas. *J. Zarah* 2020, 8 (2), 69–75.
- 6 Ginns, C. A.; Benham, M. L.; Adams, L. M.; Whithear, K. G.; Bettelheim, K. A.; Crabb, B. S.; Browning, G. F.: Colonization of the Respiratory Tract by a Virulent Strain of Avian *Escherichia coli* Requires Carriage of a Conjugative Plasmid. *Infect. Immun.* 2000, 68 (3), 1535–1541.
- 7 Tong, S. Y. C.; Davis, J. S.; Eichenberger, E.; Holland, T. L.; Fowler, V. G. J.: *Staphylococcus aureus* Infections: Epidemiology, Pathophysiology, Clinical Manifestations, and Management. *Clin. Microbiol. Rev.* 2015, 28 (3), 603–661. <https://doi.org/10.1128/CMR.00134-14>.
- 8 Megniguel, M. E.; Nyemb, N. J.; Ngwasiri, N. N.; Fanta, Y. S.; Nveikoueing, F.; Kouam, F. S.; Ndjonka, D.: In Vitro Anthelmintic Activities of Extracts and Fractions of *Cosmos Sulphureus cav*, Against *Onchocerca* Ochengi. *J. Dis. Med. Plants* 2020, 6 (1), 22–30.
- 9 Ortega-Medrano, R. J.; Ceja-Torres, L. F.; Vázquez-Sánchez, M.; Martínez-Ávila, G. C. G.; Medina-Medrano, J. R.: Characterization of *Cosmos Sulphureus Cav*.(Asteraceae): Phytochemical Screening, Antioxidant Activity and Chromatography Analysis. *Plants* 2023, 12 (4), 896.
- 10 Novel, K. N.: Penentuan Kandungan Metabolit Sekunder dan Uji Toksisitas dari Ekstrak Metanol, Fraksi Heksana dan Etil Asetat Daun Kenikir (*Cosmos Sulphureus Cav*). Universitas Andalas 2022.
- 11 Schlangen, K.; Miosic, S.; Thill, J.; Halbwirth, H.: Cloning, Functional Expression, and Characterization of a Chalcone 3-Hydroxylase from *Cosmos Sulphureus*. *J. Exp. Bot.* 2010, 61 (12), 3451–3459.
- 12 Kumari, S.; Sidhu, M. C.: Meiotic Studies in *Cosmos Sulphureus Cav*. *Chromosom. Bot.* 2012, 7 (4), 117–118. <https://doi.org/10.3199/iscb.7.117>.
- 13 Verma, R. C.; Dass, P.; Shaikh, N.; Khah, M. A.: Cytogenetic Investigations in Colchicine Induced Tetraploid of *Cosmos sulphureus* (Asteraceae). *Chromosom. Bot.* 2017, 12 (3), 41–45.
- 14 Aftab, N.; Saleem, K.; Khan, A. H. A.; Butt, T. A.; Mirza, C. R.; Hussain, J.; Farooq, G.; Tahir, A.; Yousaf, S.; Zafar, M. I.; Nawaz, I.; Iqbal, M.: *Cosmos Sulphureus Cav*. Is More Tolerant to Lead than Copper and Chromium in Hydroponics System. *Int. J. Environ. Sci. Technol.* 2021, 18 (8), 2325–2334. <https://doi.org/10.1007/s13762-020-02981-w>.

- 15 Putranto, A. W.; Dewi, S. R.; Izza, N.; Yuneri, D. R.; Dachi, M. Y. S.; Sumarlan, S. H.: Ekstraksi Senyawa Fenolik Daun Kenikir (*Cosmos Caudatus*) Menggunakan Microwave Assisted Extraction (MAE). *Rona Tek. Pertan.* 2018, 11 (1), 59–70. <https://doi.org/10.17969/rtp.v11i1.9580>.
- 16 Mimi Megnigieu, E.; Jean Nyemb, N.; Nancy Ngwasiri, N.; Sabine Yadang Fanta, A.; Nveikoueing, F.; Fogue Kouam, S.; Ndjonka, D.: In vitro Anthelmintic Activities of Extracts and Fractions of *Cosmos sulphureus* Cav, Against *Onchocerca ochengi*. *J. Dis. Med. Plants* 2020, 6 (1), 22. <https://doi.org/10.11648/j.jdmp.20200601.14>.
- 17 Sultana, T.; Chowdhury, M. M. U.; Hoque, F.; Junaid, M. S. A.; Chowdhury, M. M.; Islam, M. T.: Pharmacological and Phytochemical Screenings of *Bidens Sulphurea* Cav. *Eur. J. Biomed. Pharm. Sci* 2014, 1, 12–20.
- 18 Rodrigues, E. D.; da Silva, D. B.; de Oliveira, D. C. R.; da Silva, G. V. J.: DOSY NMR Applied to Analysis of Flavonoid Glycosides from *Bidens Sulphurea*. *Magn. Reson. Chem.* 2009, 47 (12), 1095–1100.
- 19 Chiavari-Frederico, M. O.; Barbosa, L. N.; Carvalho dos Santos, I.; Ratti da Silva, G.; Fernandes de Castro, A.; de Campos Bortolucci, W.; Barboza, L. N.; Campos, C. F. de A. A.; Gonçalves, J. E.; Menetrier, J. V.: Antimicrobial Activity of Asteraceae Species against Bacterial Pathogens Isolated from Postmenopausal Women. *PLoS One* 2020, 15 (1), e0227023.
- 20 Mames, N. P. P.; Suryanto, E.; Koleangan, H. S. J.: Aktivitas Antioksidan Dan Penghambatan Enzim α -amilase dari Alga (*Eucheuma Spinosum*). 2022.
- 21 Sunarni, T.; Pramono, S.; Asmah, R.: Flavonoid Antioksidan Penangkap Radikal Dari Daun Kepel (*Stelechocarpus Burahol* (Bl.) Hook f. & Th.). *Maj. Farm. Indones.* 2007, 18 (3), 111–116.
- 22 Suhartati, T.: Dasar-Dasar Spektrofotometri UV-Vis Dan Spektrometri Massa Untuk Penentuan Struktur Senyawa Organik. Aura 2017.
- 23 Malaka, R.; Hema, J. A.; Muthukumarasamy, N. P.; Sambandam, A.; Subramanian, S.; Sevanan, M.: Green Synthesis of Silver Nanoparticles Using *Cosmos Sulphureus* and Evaluation of Their Antimicrobial and Antioxidant Properties. *Nano Biomed. Eng.* 2015, 7 (4), 160–168. <https://doi.org/10.5101/NBE.V7I4.P160-168>.
- 24 Itam, A.; Wati, M. S.; Agustin, V.; Sabri, N.; Jumanah, R. A.; Efdi, M.: Comparative Study of Phytochemical, Antioxidant, and Cytotoxic Activities and Phenolic Content of *Syzygium Aqueum* (Burm. f. Alston f.) Extracts Growing in West Sumatera Indonesia. *Sci. World J.* 2021, 2021, 5537597. <https://doi.org/10.1155/2021/5537597>.
- 25 Santos-Sánchez, N. F.; Salas-Coronado, R.; Villanueva-Cañongo, C.; Hernández-Carlos, B.: Antioxidant Compounds and Their Antioxidant Mechanism. *Antioxidants* 2019, 10, 1–29.
- 26 Bibi Sadeer, N.; Montesano, D.; Albrizio, S.; Zengin, G.; Mahomoodally, M. F.: The Versatility of Antioxidant Assays in Food Science and Safety—Chemistry, Applications, Strengths, and Limitations. *Antioxidants* 2020, 9 (8), 709.
- 27 Nurhaeni, F.; Lestari, T.; Wahyuono, S.; Rohman, A.: Aktivitas Antioksidan Ekstrak Etanolik Berbagai Jenis Sayuran Serta Penentuan Kandungan Fenolik Dan Flavonoid Totalnya. *Media Farm. J. Ilmu Farm.* 2014, 11 (2), 167–178.
- 28 Septiani, S.; Dewi, E. N.; Wijayanti, I.: Aktivitas Antibakteri Ekstrak Lamun (*Cymodocea Rotundata*) Terhadap Bakteri *Staphylococcus aureus* dan *Escherichia coli* (Antibacterial Activities of Seagrass Extracts (*Cymodocea Rotundata*) Against *Staphylococcus Aureus* and *Escherichia Coli*). *SAINTEK Perikan. Indones. J. Fish. Sci. Technol.* 2017, 13 (1), 1. <https://doi.org/10.14710/ijfst.13.1.1-6>.

- 29 Lutpiatina, L.; Amaliah, N. R.; Dwiyanti, R. D.: Daya Hambat Ekstrak Daun Kenikir (*Cosmos Caudatus* Kunth.) terhadap *Staphylococcus Aureus*. *Meditory J. Med. Lab.* 2017, 5 (2).
- 30 Hamka, A. F.: Uji Aktivitas Antibakteri Ekstrak Metanol Daun Kenikir (*Cosmos Caudatus* Kunth.) terhadap *Staphylococcus Epidermidis*, *Pseudomonas Aeruginosa* Dan Bioautografinya. Universitas Muhammadiyah Surakarta 2023.
- 31 Damayanti, M. V.: Uji Aktivitas Antibakteri Ekstrak Daun Kenikir (*Cosmos Caudatus* Kunth.) Secara Difusi Terhadap Bakteri *Bacillus Cereus*. Stikes Karya Putra Bangsa Tulungagung 2021.
- 32 Azkiyah, S. Z.: Pengaruh Uji Antibakteri Ekstrak Rimpang Jahe Terhadap Pertumbuhan *Staphylococcus Aureus* Dan *Escherichia Coli* Secara in Vitro. *J. Farm. Tinctura* 2020, 1 (2), 71–80.
- 33 Kurniawati, A.: Journal of Creativity Student Pengaruh Jenis Pelarut Pada Proses Ekstraksi Bunga Mawar Dengan Metode Maserasi Sebagai Aroma Parfum Info Articles. *J. Creat. Student* 2019, 2 (2), 74–83.
- 34 Ibrahim, W.; Mutia, R.; Nurhayati, N.; Nelwida, N.; Berliana, B.: Penggunaan Kulit Nanas Fermentasi Dalam Ransum Yang Mengandung Gulma Berkhasiat Obat Terhadap Konsumsi Nutrient Ayam Broiler. *J. Agripet* 2016, 16 (2), 76. <https://doi.org/10.17969/agripet.v16i2.4142>.
- 35 Suhartomi, .; Gulo, K. N.; Saragih, A. D.; Martinus, A. R.; Ikhtiari, R.: Antioxidant Properties of Sweet Orange Peels in Several Fractions of Methanolic Extract. 2020, No. Ichimat 2019, 371–378. <https://doi.org/10.5220/0009515503710378>.
- 36 Shaikh, J. R.; Patil, M.: Qualitative Tests for Preliminary Phytochemical Screening: An Overview. *Int. J. Chem. Stud.* 2020, 8 (2), 603–608. <https://doi.org/10.22271/chemi.2020.v8.i2i.8834>.
- 37 Itam, A.; Wulandari, A.; Rahman, M. M.; Ferdinal, N.: Preliminary Phytochemical Screening, Total Phenolic Content, Antioxidant and Cytotoxic Activities of *Alstonia Scholaris* R. Br Leaves and Stem Bark Extracts. *J. Pharm. Sci. Res.* 2018, 10 (3), 518–522.
- 38 Abriyani, E.; Fikayuniar, L.: Screening Phytochemical, Antioxidant Activity and Vitamin c Assay from Bungo Perak-Perak (*Begonia Versicolor* Irmsh) Leaves. *Asian J. Pharm. Res.* 2020, 10 (3), 183–187.
- 39 Efdi, M.; Pratama, D.; Itam, A.; Okselni, T.: Antioxidant Flavonoid Glycoside from Leaves of Cacao Mistletoe (*Scurrula Ferruginea* (Jack) Danser). *Indones. J. Chem.* 2022, 22 (4), 944–952. <https://doi.org/10.22146/ijc.72133>.
- 40 Osman, W. H. W.; Badri, N. L.; Chong, A. T.; Mohamad, M.; Sulaiman, A. Z.: Comparison of Ultrasound Assisted Extraction and Conventional Extraction Technique on Recovery of Phenolic and Flavonoid Compounds from *Aloe Barbadensis* Miller. *IOP Conf. Ser. Earth Environ. Sci.* 2021, 765 (1). <https://doi.org/10.1088/1755-1315/765/1/012073>.
- 41 Hudzicki, J.: Kirby-Bauer Disk Diffusion Susceptibility Test Protocol Author Information. *Am. Soc. Microbiol.* 2012, No. December 2009, 1–13.
- 42 Yang, F.; Zhang, H.; Tian, G.; Ren, W.; Li, J.; Xiao, H.; Zheng, J.: Effects of Molecular Distillation on the Chemical Components, Cleaning, and Antibacterial Abilities of Four Different Citrus Oils. *Front. Nutr.* 2021, 8 (September), 1–14. <https://doi.org/10.3389/fnut.2021.731724>.
- 43 Husnayanti, A.; Sugiyanto, S.: Penelusuran Isolat Aktif Antioksidan dari Daun Kenikir (*Cosmos Caudatus* Kunth) dan Elusidasi Strukturnya. In *Proceedings Of National Colloquium Research and Community Service*; 2017; Vol. 1.
- 44 Alfian, R.; Susanti, H.: Penetapan Kadar Fenolik Total Ekstrak Metanol Kelopak Bunga Rosella Merah (*Hibiscus Sabdariffa* Linn) Dengan Variasi Tempat Tumbuh Secara Spektrofotometri. *Pharmaciana* 2012, 2 (1).

- <https://doi.org/10.12928/pharmaciana.v2i1.655>.
- 45 Febriyenti, F.; Suharti, N.; Lucida, H.; Husni, E.; Sedona, O.: Karakterisasi Dan Studi Aktivitas Antioksidan Dari Ekstrak Etanol Secang (*Caesalpinia Sappan* L.). *J. Sains Farm. Klin.* 2018, 5 (1), 23–27.
- 46 Alara, O. R.; Abdurahman, N. H.; Mudalip, S. K. A.; Olalere, O. A.: Characterization and Effect of Extraction Solvents on the Yield and Total Phenolic Content from *Vernonia Amygdalina* Leaves. *J. Food Meas. Charact.* 2018, 12, 311–316.
- 47 Sánchez-Martínez, J. D.; Bueno, M.; Alvarez-Rivera, G.; Tudela, J.; Ibañez, E.; Cifuentes, A.: In Vitro Neuroprotective Potential of Terpenes from Industrial Orange Juice By-Products. *Food Funct.* 2021, 12 (1), 302–314.
- 48 Fristiohady, A.; Sadarun, B.; Wahyuni, W.; Malaka, M. H.; Ahmad, F.; Malik, F.; Sahidin, I.: Isolation and Identification of Secondary Metabolite Acetone Extract *Aaptos* Sp. and Its Antioxidant Properties and Acute Toxicity. *J. Appl. Pharm. Sci.* 2020, 10 (6), 81–89.
- 49 Lucia, A.: Uji Aktivitas Antioksidan dan Antibakteri serta Kandungan Fenolik Total dari Ekstrak Daun Pacing (*Cheilocostus speciosus* (J. Koenig) CD Specht). Universitas Andalas 2021.
- 50 Lingga, A. R.; Pato, U.; Rossi, E.: Uji Antibakteri Ekstrak Batang Kecombrang (*Nicolaia Speciosa* Horan) terhadap *Staphylococcus Aureus* dan *Escherichia Coli*. Riau University 2016.

