

## DAFTAR PUSTAKA

- Abayomi, O. O., Nour, A. H., Ruth, A. O., & Habeeb, O. A. (2017). Optimized microwave reflux extraction and antioxidant activities of piperine from black and white piper nigrum. *Chemical Engineering Research Bulletin*, 19, 139. <https://doi.org/10.3329/ceerb.v19i0.33808>
- Ahmad, A., Husain, A., Mujeeb, M., Khan, S. A., Alhadrami, H. A. A., & Bhandari, A. (2015). Quantification of total phenol, flavonoid content and pharmacognostical evaluation including HPTLC fingerprinting for the standardization of Piper nigrum Linn fruits. *Asian Pacific Journal of Tropical Biomedicine*, 5(2), 101–107. [https://doi.org/10.1016/S2221-1691\(15\)30152-0](https://doi.org/10.1016/S2221-1691(15)30152-0)
- Aji Najihudin, Anis Chaerunisaa, A. S. (2017). *IJPST Volume 4, Nomor 2, Juni 2017 AKTIVITAS ANTIOKSIDAN EKSTRAK dan FRAKSI KULIT BATANG TRENGGULI* (. 4(2), 70–78.
- Akar, Z., Küçük, M., & Doğan, H. (2017). A new colorimetric DPPH• scavenging activity method with no need for a spectrophotometer applied on synthetic and natural antioxidants and medicinal herbs. *Journal of Enzyme Inhibition and Medicinal Chemistry*, 32(1), 640–647. <https://doi.org/10.1080/14756366.2017.1284068>
- Akbar, P. N., Jahan, I. A., Hossain, M. H., Banik, R., Nur, P., & Hossain, T. (2018). *Antioxidant capacity of piper longum and piper nigrum fruits grown in Bangladesh Bangladesh Council of Scientific and Industrial Research (BCSIR), Dr. Quadrat-E-Khuda*. (December).
- Anggraini, R., & Afghani Jayuska, A. H. A. (2018). ISOLASI DAN KARAKTERISASI MINYAK ATSIRI LADA HITAM (Piper nigrum L.) ASAL SAJINGAN KALIMANTAN BARAT. *Jurnal Kimia Khatulistiwa*, 7(4), 124–133.
- Asri Werdhasari. (2014). Peran Antioksidan Bagi Kesehatan. *Jurnal Biomedik Medisiana Indonesia*, 3(2), 59–68.
- Aziz, N. S., Sofian-Seng, N. S., & Wan Mustapha, W. A. (2018). Functional

- properties of oleoresin extracted from white pepper (*Piper nigrum* L.) retting waste water. *Sains Malaysiana*, 47(9), 2009–2015. <https://doi.org/10.17576/jsm-2018-4709-08>
- Damanhour, Z. A. (2014). A Review on Therapeutic Potential of *Piper nigrum* L. (Black Pepper): The King of Spices. *Medicinal & Aromatic Plants*, 03(03). <https://doi.org/10.4172/2167-0412.1000161>
- Dan, H., Lada, B., Piper, P., Yang, L., Putu, N., Hikmawanti, E., ... Viransa, V. P. (2016). KANDUNGAN PIPERIN DALAM EKSTRAK BUAH LADA HITAM DAN BUAH LADA PUTIH (*Piper nigrum* L.) YANG DIEKSTRAKSI DENGAN VARIASI KONSENTRASI ETANOL MENGGUNAKAN METODE KLT-DENSITOMETRI. 13(2), 173–185. <https://doi.org/10.12928/mf.v13i2.7769>
- Darlina. (2016). Pengaruh penyiraman air kelapa (*Cocos nucifera* L.) terhadap pertumbuhan vegetatif lada (*Piper nigrum* L.). *Jurnal Ilmiah Mahasiswa Pendidikan Biologi*, 1(1), 20–28.
- Dewi, L. R., Laksmiani, N. P. L., Paramita, N. L. P. V, & Wirasuta, I. M. A. G. (2014). Uji Aktivitas Antioksidan Ekstrak Etanol Kulit Ubi Jalar Ungu (*Ipomoea batatas* (L.) Lam) dengan Metode Ferrous Ion Chelating (FIC). *Jurnal Farmasi Udayana*, 3(1), 14–17.
- Do Nascimento, L. D., de Moraes, A. A. B., da Costa, K. S., Galúcio, J. M. P., Taube, P. S., Costa, C. M. L., ... de Faria, L. J. G. (2020). Bioactive natural compounds and antioxidant activity of essential oils from spice plants: New findings and potential applications. *Biomolecules*, 10(7), 1–37. <https://doi.org/10.3390/biom10070988>
- 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>
- Ergina, Nuryanti, S., & Pursitasari, I. D. (2014). Uji Kualitatif Senyawa Metabolit Sekunder pada Daun Palado (*Agave angustifolia*) yang Diekstraksi dengan Pelarut Air dan Etanol. *Jurnal Akademika Kimia*, 3(3), 165–172.
- Fakriah, Kurniasih, E., Adriana, & Rusydi. (2019). Sosialisasi Bahaya Radikal

- Bebas Dan Fungsi Antioksidan Alami Bagi Kesehatan. *Jurnal Hasil-Hasil Penerapan IPTEKS Dan Pengabdian Kepada Masyarakat*, 3(1), 1–7.
- Fatima, Z., Abderrahmane, B., Seddik, K., & Lekhmici, A. (2016). Antioxidant activity assessment of *Tamus communis* L. Roots. *International Journal of Pharmacy and Pharmaceutical Sciences*, 8(12), 64–71. <https://doi.org/10.22159/ijpps.2016v8i12.14327>
- Febriyanti, P., & Iswarin, S. J. (n.d.). *HITAM ( Piper LIQUID CHROMATOGRAPHY TANDEM MASS SPECTROMETRY ( LC – MS / MS )*. 1(2), 69–80.
- Goodarzi, S., Rafiei, S., Javadi, M., Phd, ;, Khadem, H., Phd, H. ;, ... Msc, ; (2018). A Review on Antioxidants and Their Health Effects. *A Review on Antioxidants and Their Health Effects. Journal of Nutrition and Food Security (JNFS)*, 3(2), 106–112.
- Gorgani, L., Mohammadi, M., Najafpour, G. D., & Nikzad, M. (2017a). Piperine—The Bioactive Compound of Black Pepper: From Isolation to Medicinal Formulations. *Comprehensive Reviews in Food Science and Food Safety*, 16(1), 124–140. <https://doi.org/10.1111/1541-4337.12246>
- Gorgani, L., Mohammadi, M., Najafpour, G. D., & Nikzad, M. (2017b). Sequential Microwave-Ultrasound-Assisted Extraction for Isolation of Piperine from Black Pepper (*Piper nigrum* L.). *Food and Bioprocess Technology*, 10(12), 2199–2207. <https://doi.org/10.1007/s11947-017-1994-0>
- Insanu, M., Marliani, L., & Dinilah, N. P. (2017). Comparison of antioxidant activities from four species of piper. *Pharmaciana*, 7(2), 305. <https://doi.org/10.12928/pharmaciana.v7i2.6935>
- Johar, D., Widia, D., Kusriani, D., & Fachriyah, E. (2017). *Jurnal Kimia Sains dan Aplikasi Uji Aktivitas Antioksidan Senyawa Flavonoid dari Ekstrak Etanol*. 20(3), 123–129.
- Kamiloglu, S., Capanoglu, E., Yilmaz, O., Duran, A. F., & Boyacioglu, D. (2014). Investigating the antioxidant potential of Turkish herbs and spices. *Quality Assurance and Safety of Crops and Foods*, 6(2), 151–158. <https://doi.org/10.3920/QAS2012.0237>
- Lukiawan, R., & Suminto, S. (2018). Kandungan Aflatoksin Pada Lada Indonesia

- Dalam Pengembangan Standar Internasional Codex. *Jurnal Standardisasi*, 20(2), 95. <https://doi.org/10.31153/js.v20i2.689>
- Mbaoji, F. N., Ezike, A. C., Nworu, C. S., Onyeto, C. A., Nwabunike, I. A., Okoli, I. C., & Akah, P. A. (2016). Antioxidant and hepatoprotective potentials of *Stemonocoleus micranthus* harms (Fabaceae) stem bark extract. *International Journal of Pharmacy and Pharmaceutical Sciences*, 8(7), 47–51.
- Metode, M., Setiawan, F., & Yunita, O. (2018). Uji Aktivitas Antioksidan Ekstrak Etanol Kayu Secang dan FRAP. 2(2), 82–89.
- Metode, P., Aktivitas, U., Dpph, A., Fic, F., Askorbat, T. A., Galat, A., ... Sumedang, K. (2018). *Chimica et Natura Acta*. 6(2), 93–100.
- Morsy, N. F. S., & Abd El-Salam, E. A. (2017). Antimicrobial and Antiproliferative Activities of Black Pepper (*Piper nigrum* L.) Essential Oil and Oleoresin. *Journal of Essential Oil-Bearing Plants*, 20(3), 779–790. <https://doi.org/10.1080/0972060X.2017.1341342>
- Park, H. M., Kim, J. H., & Kim, D. K. (2019). Anti-oxidative effect of piperine from *piper nigrum* L. In *caenorhabditis elegans*. *Natural Product Sciences*, 25(3), 255–260. <https://doi.org/10.20307/nps.2019.25.3.255>
- Penelitian, C. H., & Pembahasan, D. A. N. (2015). *Content Checked For Plagiarism : IS*. 3–5.
- Piper, L., Vahl, P., Linn, P., & Piper, L. (n.d.). *Farmaka Farmaka*. 16(September 2018), 204–212.
- Ratih, D., Sari, T., & Bare, Y. (2020). *Spizaetus : Jurnal Biologi dan Pendidikan Biologi compound in Pepper nigrum : In silico study*. (May), 5–7.
- Sruthi, D., & John Zachariah, T. (2017). In vitro antioxidant activity and cytotoxicity of sequential extracts from selected black pepper (*Piper nigrum* L.) varieties and *Piper* species. *International Food Research Journal*, 24(1), 75–85.
- Takoore, H., Aumeeruddy, M. Z., Rengasamy, K. R. R., Venugopala, K. N., Jeewon, R., Zengin, G., & Mahomoodally, M. F. (2019). A systematic review on black pepper (*Piper nigrum* L.): from folk uses to pharmacological applications. *Critical Reviews in Food Science and*

*Nutrition*, 59(0), S210–S243.  
<https://doi.org/10.1080/10408398.2019.1565489>

- Taylor, P., Jeena, K., Liju, V. B., Umadevi, N. P., & Kuttan, R. (2014). *Journal of Essential Oil Bearing Plants Antioxidant , Anti-inflammatory and Antinociceptive Properties of Black Pepper Essential Oil ( Piper nigrum Linn )*. (August), 37–41. <https://doi.org/10.1080/0972060X.2013.831562>
- Tristantini, D., Ismawati, A., Pradana, B. T., & Gabriel, J. (2016). Pengujian Aktivitas Antioksidan Menggunakan Metode DPPH pada Daun Tanjung ( *Mimusops elengi L* ). *Universitas Indonesia*, 2.
- Werdhasari, A. (2014). Peran Antioksidan Bagi Kesehatan. *Jurnal Biomedik Medisiana Indonesia*, 3(2), 59–68.
- Widyawati, P. S. (2016). Determination of antioxidant capacity in *Pluchea indica* less leaves extract and its fractions. *International Journal of Pharmacy and Pharmaceutical Sciences*, 8(9), 32–36.  
<https://doi.org/10.22159/ijpps.2016v8i9.11410>
- Wulansari, A. N., Farmasi, F., Padjadjaran, U., & Ungu, C. (n.d.). *Farmaka Farmaka*. 16, 419–429.
- Zhang, L.-L., & Xu, J.-G. (2015). Comparative Study On Antioxidant Activity Of Essential Oil From White And Black Pepper. *European Journal of Food Science and Technology*, 3(3), 10–16.