

DAFTAR PUSTAKA

- Agrawal, J. dan Pal, A., 2013. *Nyctanthes arbor-tristis* Linn—A critical ethnopharmacological review. *Journal of Ethnopharmacology*, **146**: 645–658.
- Alansari, W.S., 2017. A Review on Free Radical, Oxidative Stress and Antioxidant Wafa Suliman Alansari, Department of Biochemistry, Faculty of Science, King Abdulaziz University, Jeddah, Saudi Arabia. *International Journal of Advanced Research*, **5**: 61–68.
- Anwar, L., Santoni, A., Putra, D.P., dan Efdi, M., 2019. Structure Elucidation of a Pentacyclic Triterpenoid and Phenolic from Stem Bark of *Vitex pubescens* Vahl **01**: 7.
- Appendix I: Properties of HPLC Solvents, 2009. , dalam: *Introduction to Modern Liquid Chromatography*. John Wiley & Sons, Ltd, hal. 879–886.
- Azwanida, N., 2015. A Review on the Extraction Methods Use in Medicinal Plants, Principle, Strength and Limitation. *Medicinal & Aromatic Plants*, **04**: .
- Chaudhary, S., Gupta, R.K., Kumar, A., dan Tarazi, H., 2018. Hepatoprotective and Antioxidant Potential of *Nyctanthes arbor-tristis* L. **6**: 205–215.
- Coskun, O., 2016. Separation techniques: Chromatography. *Northern Clinics of Istanbul*, **3**: 156–160.
- Dachriyanus, D., 2017. *Analisis Struktur Senyawa Organik Secara Spektroskopi*. Lembaga Pengembangan Teknologi Informasi dan Komunikasi (LPTIK) Universitas Andalas.
- Elsayed Azab, A., Adwas, A., Ibrahim Elsayed, A.S., Adwas, A., Ibrahim Elsayed, A.S., dan Quwaydir, F.A., 2019. Oxidative stress and antioxidant mechanisms in human body. *Journal of Applied Biotechnology & Bioengineering*, **6**: 43–47.
- Emaikwu, V., Ndukwe, I., Mohamed, R., Iyun, O., dan Anyam, J., 2020. Isolation and Characterization of Lupeol from the Stem of *Tapinanthus globiferus* (A Rich.) and its Antimicrobial Assay. *Journal of Applied Sciences and Environmental Management*, **24**: 1015–1020.
- Francenia Santos-Sánchez, N., Salas-Coronado, R., Villanueva-Cañongo, C., dan Hernández-Carlos, B., 2019. Antioxidant Compounds and Their Antioxidant Mechanism, dalam: Shalaby, E. (Editor), *Antioxidants*. IntechOpen.
- Ghosh, K., Nosalova, G., Ray, S., Sivova, V., Nosal, S., dan Ray, B., 2015. Extracted polysaccharide from *Nyctanthes arbor-tristis* leaves: Chemical and antitussive properties. *International Journal of Biological Macromolecules*, **75**: 128–132.
- Gunawan, R. dan Nandiyanto, A.B.D., 2021. How to Read and Interpret ¹H-NMR and ¹³C-NMR Spectrums **6**: 32.
- Hartini, V.A., Anam, K., dan Cahyono, B., 2012. Isolasi Senyawa Triterpenoid dari Daun Ketapang Kencana (*Terminalia muelleri* Benth) dan Uji Aktivitas Sitotoksik dengan Metode Brine Shrimp Lethality Test (BSLT). *Jurnal Kimia Sains dan Aplikasi*, **15**: 47–52.

- Hiremath, V., Hiremath, B.S., Mohapatra, S., dan Kumar Das, A., 2016. Literary review of Parijata (*Nyctanthus arbor-tristis* Linn.) an Herbal Medicament with Special Reference to Ayurveda and Botanical Literatures. *Biomedical and Pharmacology Journal*, **9**: 1019–1025.
- Hoffmann, E. de dan Stroobant, V., 2007. *Mass Spectrometry: Principles and Applications*, 3rd ed. ed. J. Wiley, Chichester, West Sussex, England ; Hoboken, NJ.
- Hunyadi, A., 2019. The mechanism(s) of action of antioxidants: From scavenging reactive oxygen/nitrogen species to redox signaling and the generation of bioactive secondary metabolites. *Medicinal Research Reviews*, **39**: 2505–2533.
- Husnayanti, A., Sugiyanto, dan Kintoko, 2017. Penelusuran Isolat Aktif Antioksidan dari Daun Kenikir (*Cosmos caudatus* Kunth) dan Elusidasi Strukturnya 10.
- Ighodaro, O.M. dan Akinloye, O.A., 2018. First line defence antioxidants-superoxide dismutase (SOD), catalase (CAT) and glutathione peroxidase (GPX): Their fundamental role in the entire antioxidant defence grid. *Alexandria Journal of Medicine*, **54**: 287–293.
- Jenie, U.A., 2014. *Teknik Modern Spektroskopi NMR : Teori Dan Aplikasi Dalam Elusidasi Struktur Molekul Organik*. LIPI Press.
- Karan, B.N., Maity, T.K., Pal, B.C., Singha, T., dan Jana, S., 2019. Betulinic Acid, the first lupane-type triterpenoid isolated via bioactivity-guided fractionation, and identified by spectroscopic analysis from leaves of *Nyctanthes arbor-tristis* : its potential biological activities *in vitro* assays. *Natural Product Research*, **33**: 3287–3292.
- Komal, P., Panchal, N., dan Pradnya, I., 2019. Review of Extraction Techniques Extraction Methods: Microwave, Ultrasonic, Pressurized Fluid, Soxhlet Extraction, Etc. *International Journal of Advanced Research in Chemical Science*, **6** : .
- Kowalska, T. dan Sherma, J., 2006. *Preparative Layer Chromatography*. CRC Press.
- Kumari, P., Sahal, D., Jain, S.K., dan Chauhan, V.S., 2012. Bioactivity Guided Fractionation of Leaves Extract of *Nyctanthes arbor tristis* (Harshringar) against *P. falciparum*. *PLoS ONE*, **7**: e51714.
- Lü, J.-M., Lin, P.H., Yao, Q., dan Chen, C., 2010. Chemical and molecular mechanisms of antioxidants: experimental approaches and model systems. *Journal of Cellular and Molecular Medicine*, **14**: 840–860.
- Medicinal Herb Index in Indonesia*, 1986. . P.T. Esai Indonesia.
- Michael, J.S., Kalirajan, A., Padmalatha, C., dan Singh, A.J.A.R., 2013. In vitro antioxidant evaluation and total phenolics of methanolic leaf extracts of *Nyctanthes arbor-tristis* L. *Chinese Journal of Natural Medicines*, **11**: 484–487.
- Mironczuk-Chodakowska, I., Witkowska, A.M., dan Zujko, M.E., 2018. Endogenous non-enzymatic antioxidants in the human body. *Advances in Medical Sciences*, **63**: 68–78.

- Mishra, A.K., Upadhyay, R., Chaurasia, J.K., dan Tiwari, K.N., 2016. Comparative antioxidant study in different flower extracts of *Nyctanthes arbor-tristis* (L.) (Oleaceae): an important medicinal plant. *Brazilian Journal of Botany*, **39**: 813–820.
- Molyneux, P., 2004. The use of the stable free radical diphenylpicryl-hydrazyl (DPPH) for estimating antioxidant activity **26**: 10.
- Muharni, M., 2010. Triterpenoid Lupeol dari Manggis Hutan (*Garcinia bancana* Miq.). *Jurnal Penelitian Sains*, **13**: 40–45.
- Munteanu, I.G. dan Apetrei, C., 2021. Analytical Methods Used in Determining Antioxidant Activity: A Review. *International Journal of Molecular Sciences*, **22**: 3380.
- Nakamura, M., Ra, J.-H., Jee, Y., dan Kim, J.-S., 2017. Impact of different partitioned solvents on chemical composition and bioavailability of *Sasa quelpaertensis* Nakai leaf extract. *Journal of Food and Drug Analysis*, **25**: 316–326.
- Patel, S. dan Gokhale, M., 2016. Comparative Study of Antioxidant Activity of Ethanol and Aqueous Extracts of Different Parts of *Nyctanthes arbor-tristis* Linn. *Pharmacognosy Journal*, **8**: 113–116.
- Pavia, D.L., Gary, M.L., George, S.K., dan James, R.V. (Editor), 2009. *Introduction to Spectroscopy*, 4th ed. ed. Brooks/Cole, Cengage Learning, Belmont, CA.
- Pertiwi, R.D., Suwaldi, Martien, R., dan Setyowati, E.P., 2020. Radical Scavenging Activity and Quercetin Content of *Muntingia calabura* L. Leaves Extracted by Various Ethanol Concentration. *Journal of Food and Pharmaceutical Sciences*, **1**.
- Pisoschi, A.M., Pop, A., Cimpeanu, C., dan Predoi, G., 2016. Antioxidant Capacity Determination in Plants and Plant-Derived Products: A Review. *Oxidative Medicine and Cellular Longevity*, **2016**: 1–36.
- Rabel, F. dan Sherma, J., 2017. Review of the state of the art of preparative thin-layer chromatography. *Journal of Liquid Chromatography & Related Technologies*, **40**: 165–176.
- Shwe, H.H. dan Win, K.K., 2019. Isolation and Structural Characterization of Lupeol from the Stem Bark of *Diospyros ehretioides* Wall. **7**: 5.
- Silverstein, R.M., Webster, F.X., dan Kiemle, D.J., 2005. *Spectrometric Identification of Organic Compound*, 7th ed. John Wiley & Sons, Inc, United States of America.
- Sitrallah, S. dan Merza, J., 2020. Isolation and identification of Lupeol from Syrian *Euphorbia Helioscopia* **11**: 4.
- Sonam, K.S. dan Guleria, S., 2017. Synergistic Antioxidant Activity of Natural Products **2**: 6.
- Sreelatha, S. dan Padma, P.R., 2009. Antioxidant Activity and Total Phenolic Content of *Moringa oleifera* Leaves in Two Stages of Maturity. *Plant Foods for Human Nutrition*, **64**: 303–311.
- Sulastri, E., Zubair, M.S., Anas, N.I., Abidin, S., Hardani, R., Yulianti, R., dkk., 2018. Total Phenolic, Total Flavonoid, Quercetin Content and Antioxidant

- Activity of Standardized Extract of *Moringa oleifera* Leaf from Regions with Different Elevation. *Pharmacognosy Journal*, **10**: s104–s108.
- Vajravijayan, S., Nandhagopal, N., Anantha Krishnan, D., dan Gunasekaran, K., 2020. Isolation and characterization of an iridoid, Arbortristoside-C from *Nyctanthes arbor - tristis* Linn., a potential drug candidate for diabetes targeting α -glucosidase. *Journal of Biomolecular Structure and Dynamics*, 1–11.
- Werdhasari, A., 2014. Peran Antioksidan Bagi Kesehatan 10.
- Yadav, Anuj, Kumari, R., Yadav, Ashwani, Mishra, J.P., Srivatva, S., dan Prabha, S., 2016. Antioxidants and its functions in human body - A Review 5.
- Zeb, A., 2020. Concept, mechanism, and applications of phenolic antioxidants in foods. *Journal of Food Biochemistry*, **44**: .