

DAFTAR PUSTAKA

- Ambarati, T., Wahyudi, N. Y., Hamidah Asmara Indratno, S., Nurfadhila, L., & Utami, M. R. (2023). Review Artikel: Validasi Metode Analisis Penetapan Kadar Parasetamol Dalam Sampel Biologis Dengan Berbagai Metode. *Journal of Pharmaceutical and Sciences*, 6(2), 838–847. <https://doi.org/10.36490/journal-jps.com.v6i2.157>
- Arif, T. H. N., Erida, G., & Hasanuddin. (2020). Pengaruh Ekstrak Daun Jati (*Tectona grandis* L.f.) dan Giberelin (GA 3) Terhadap Viabilitas dan Vigor Benih Mucuna (*Mucuna bracteata*). *Jurnal Ilmiah Mahasiswa (JIM) Pertanian*, 5(1), 21–30. <https://doi.org/10.17969/jimfp.v5i1.1365>
- Arifah, R. H., Permatasari, D. A. I., & Artini, K. S. (2023). Penggunaan Metode HPLC pada Analisis Jamu Depot yang Mengandung Antalgin. *Jurnal Jamu Kusuma*, 3(1), 54–61.
- Berens, M. L., Wolinska, K. W., Spaepen, S., Ziegler, J., Nobori, T., Nair, A., Krüler, V., Winkel Müller, T. M., Wang, Y., Mine, A., Becker, D., Garrido-Oter, R., Schulze-Lefert, P., & Tsuda, K. (2019). Balancing trade-offs between biotic and abiotic stress responses through leaf age-dependent variation in stress hormone cross-talk. *Proceedings of the National Academy of Sciences of the United States of America*, 116(6), 2364–2373. <https://doi.org/10.1073/pnas.1817233116>
- Birru, P. W., Hilmi, I. L., & Salman. (2023). Article Review : Retinol In Cosmetics. *Journal of Pharmaceutical and Science*, 6(1), 256–260.
- Bitchagno, G. T. M., Sama Fonkeng, L., Kopa, T. K., Tala, M. F., Kamdem Wabo, H., Tume, C. B., Tane, P., & Kuiate, J. R. (2015). Antibacterial activity of ethanolic extract and compounds from fruits of *Tectona grandis* (Verbenaceae). *BMC Complementary and Alternative Medicine*, 15(1), 1–6. <https://doi.org/10.1186/s12906-015-0790-5>
- Boccardi, V., Arosio, B., Cari, L., Bastiani, P., Scamosci, M., Casati, M., Ferri, E., Bertagnoli, L., Ciccone, S., Rossi, P. D., Nocentini, G., & Mecocci, P. (2020). Beta-carotene, telomerase activity and Alzheimer's disease in old age subjects. *European Journal of Nutrition*, 59(1), 119–126. <https://doi.org/10.1007/s00394-019-01892-y>
- Diningrat, D. S., Marwani, E., & Kusdianti. (2023). Antiacne and Antibacterial Bioactivity Properties of Teak (*Tectona grandis*) Flower Essential Oil. *Tropical Journal of Natural Product Research*, 7(11), 5195–5202. <https://doi.org/10.26538/tjnpr/v7i11.24>
- Diningrat, D. S., Widiyanto, S. M., Pancoro, A., Iriawati, Shim, D., Panchangam, B., Zembower, N., & Carlson, J. E. (2015). Identification of terminal flowering1 (TFL1) genes associated with the teak (*Tectona grandis*) floral

- development regulation using RNA-seq. *Research Journal of Botany*, 10(1), 1–13. <https://doi.org/10.3923/rjb.2015.1.13>
- Diningrat, D. S., Widiyanto, S. M., Pancoro, A., Iriawati, Shim, D., Panchangam, B., Zembower, N., & Carlson, J. E. (2015). Transcriptome of teak (*Tectona grandis*, l.f) in vegetative to generative stages development. *Journal of Plant Sciences*, 10(1), 1–14. <https://doi.org/10.3923/jps.2015.1.14>
- Effendy, S., Yulianto, A., & Yulianti, I. (2019). Uji Sifat Fisik Cat Tembok yang Memanfaatkan pigmen warna Alami dari Daun Jati. *Sainmatika: Jurnal Ilmiah Matematika Dan Ilmu Pengetahuan Alam*, 16(1), 9. <https://doi.org/10.31851/sainmatika.v16i1.3125>
- Eka, R., Safitriyani, N., Fitriyati, L., & Rahayu, T. P. (2022). Antioxidant Activity Of Acetone And Butanol Extract Teak Leaf (*Tectona Grandis*). *Prosiding 16th Urecol: Seri MIPA Dan Kesehatan*, 3, 1421–1434.
- Greeshma, Manoj, G.S., & Murugan, K. (2017). Phytochemical Analysis of Leaves of Teak (*Tectona grandis*, L.f.) by GC-MS. *Kong. Res. J.* 4(1), 75-78. DOI:10.26524/krj181.
- Harmita, H. (2004). Petunjuk Pelaksanaan Validasi Metode Dan Cara Perhitungannya. *Majalah Ilmu Kefarmasian*, 1(3), 117–135. <https://doi.org/10.7454/psr.v1i3.3375>
- Herlina, N., Rahayu, P., Notoedarmo, S., & Limantara, L. (2006). Komposisi dan Kandungan Pigmen Tumbuhan Pewarna Alami Tenun Ikat di Kabupaten Timor Tengah Selatan, Propinsi Nusa Tenggara Timur. *Indo. J. Chem*, 6 (3), 325-331.
- Hong, S. H., Kim, K. R., & Oh, D. K. (2015). Biochemical properties of retinoid-converting enzymes and biotechnological production of retinoids. *Applied Microbiology and Biotechnology*, 99(19), 7813–7826. <https://doi.org/10.1007/s00253-015-6830-8>
- Husnawati, Purwanto, U. M. S., & Rispriandari, A. A. (2020). Perbedaan Bagian Tanaman Krokot (*Portulaca Grandiflora* Hook) terhadap Kandungan Total Fenolik dan Flavonoid serta Aktivitas Antioksidan. *Current Biochemistry*, 7(1), 10–20.
- Kanojia, A., Shrestha, D. K., & Dijkwel, P. P. (2021). Primary metabolic processes as drivers of leaf ageing. *Cellular and Molecular Life Sciences*, 78(19–20), 6351–6364. <https://doi.org/10.1007/s00018-021-03896-6>
- Kusumawulan, C. K., Rustiwi, N. S., Sriwidodo, S., & Bratadiredja, M. A. (2022). Review: Efektivitas Sari Kedelai sebagai Anti-aging dalam Kosmetik. *Majalah Farmasetika*, 8(1), 1. <https://doi.org/10.24198/mfarmasetika.v8i1.41761>

- Maksum, I. P., Indrayati, L., & Enus, S. (2016). Stabilisasi Vitamin a (Retinol) Pada Serum Otologus Sediaan Serbuk Kering Menggunakan Lioprotektan Sukrosa. *Chimica et Natura Acta*, 4(2), 106. <https://doi.org/10.24198/cna.v4.n2.10680>
- Margareta, M. A. H., & Wonorahardjo, S. (2023). Optimasi Metode Penetapan Senyawa Eugenol dalam Minyak Cengkeh Menggunakan Gas Chromatography – Mass Spectrum dengan Variasi Suhu Injeksi. *Jurnal Sains Dan Edukasi Sains*, 6(2), 95–103. <https://doi.org/10.24246/juses.v6i2p95-103>
- Masullo, M., Cerulli, A., Mari, A., de Souza Santos, C. C., Pizza, C., & Piacente, S. (2017). LC-MS profiling highlights hazelnut (Nocciola di Giffoni PGI) shells as a byproduct rich in antioxidant phenolics. *Food Research International*, 101(August), 180–187. <https://doi.org/10.1016/j.foodres.2017.08.063>
- Mustari, E., Diningrat, D. S., Ratnasih, R., & Widiyanto, S. M. (2016). APETALA2 and APETALA3 genes expression profiling on floral development of teak (*Tectona grandis* Linn f.). *Journal of Plant Sciences*, 11(4–5), 61–68. <https://doi.org/10.3923/jps.2016.61.68>
- Prakoewa, F., Sari, W. (2022). Penuaan Kulit dan Terapi yang Aman Bagi Geriatri: Artikel Review. *Jurnal Sains dan Kesehatan*. 4(5), 557-568. <https://doi.org/10.25026/jsk.v4i5.1294>
- Purwanta, S., Sumantoro, P., Setyaningrum, D.H., Saparinto, C. (2015). *Budidaya & Bisnis Kayu Jati*. Jakarta: Penebar Swadaya.
- Qadir, R., Anwar, F., Bashir, K., Tahir, M. H., Alhumade, H., & Mehmood, T. (2022). Variation in Nutritional and Antioxidant Attributes of Moringa oleifera L. Leaves at Different Maturity Stages. *Frontiers in Energy Research*, 10(August), 1–7. <https://doi.org/10.3389/fenrg.2022.888355>
- Qodri, U. L. (2023). Pengukuran β -Karoten pada Daging Labu Kuning (*Cucurbita Moschata* Durch) Menggunakan Pelarut Etanol, Metanol dan Heksan. *Jurnal Syntax Admiration*, 4(7), 989–999. <https://doi.org/10.46799/jsa.v4i7.731>
- Quan, T. (2023). Human Skin Aging and the Anti-Aging Properties of Retinol. *Biomolecules*, 13(11). <https://doi.org/10.3390/biom13111614>
- Ramachandran, S., & Rajasekaran, A. (2014). Blood glucose-lowering effect of *Tectona grandis* flowers in type 2 diabetic rats: A study on identification of active constituents and mechanisms for antidiabetic action. *Journal of Diabetes*, 6(5), 427–437. <https://doi.org/10.1111/1753-0407.12121>
- Rauf, A., Pato, U., & Ayu, D. Aktivitas Antioksidan dan Penerimaan Panelis Teh Bubuk Daun Alpukat (*Persea americana* Mill.) Berdasarkan Letak Daun Pada Ranting. Jom *FAPERTA*, 4(2), 1-12.
- Riahi, R. R., Bush, A. E., & Cohen, P. R. (2016). Topical Retinoids: Therapeutic

Mechanisms in the Treatment of Photodamaged Skin. *American Journal of Clinical Dermatology*, 17(3), 265–276. <https://doi.org/10.1007/s40257-016-0185-5>

Sanif, R., & Nurwany, R. (2017). Vitamin A dan perannya dalam siklus sel. *Jkk*, 4(2), 83–88.

Scholz, M., Dēdic, R., Svoboda, A., & Hála, J. (2011). TPP and singlet oxygen quenching by carotene in solution. *Journal of Molecular Structure*, 993(1–3), 474–476. <https://doi.org/10.1016/j.molstruc.2010.11.030>

Sinurat, P.E, & Diningrat, D.S. (2023). Literature Review: Utilization of Anti Aging Plants in Indonesia. *Biofaal Journal*. 4(2): 58-71.

Sugata, I., Suputra, K.D., Suryanti, P., Juniarta, M., & Kartika, I. (2023). Profil Fitokimia dan Aktivitas Antibakteri dari *Massoia aromatic* Becc., *Acorus calamus* L., dan *Allium sativum* L. terhadap Bakteri Penyebab Rinosinusitis. *Jurnal Ilmiah Medicam*. 9(2), 106–114. <https://doi.org/10.36733/medicamento.v9i2.5961>.

Suryani, R., Rizal, W. A., Pratiwi, D., & Prasetyo, D. J. (2020). Karakteristik Dan Aktivitas Antibakteri Asap Cair Dari Biomassa Kayu Putih (*Melaleuca Leucadendra*) Dan Kayu Jati (*Tectona grandis*). *Jurnal Teknologi Pertanian*, 21(2), 106–117. <https://doi.org/10.21776/ub.jtp.2020.021.02.4>

Tanamal, M. T., Papilaya, P. M., & Smith, A. (2017). Kandungan Senyawa Flavonoid Pada Daun Melinjo (*Gnetum gnemon* L.) Berdasarkan Perbedaan Tempat Tumbuh. *BIOPENDIX: Jurnal Biologi, Pendidikan Dan Terapan*, 3(2), 142–147. <https://doi.org/10.30598/biopendixvol3issue2page142-147>

Von Lintig, J., & Vogt, K. (2000). Filling The Gap In Vitamin A Research. Molecular Identification Of An Enzyme Cleaving B-Carotene To Retinal. *Journal of Biological Chemistry*, 275(16), 11915–11920. <https://doi.org/10.1074/jbc.275.16.11915>

Willian, N., & Pardi H. (2022). *Buku Ajar Pemisahan Kimia Sebuah Pengantar Pada Aspek Kemaritiman*. Tanjungpinang: UMRAH PRESS.