

DAFTAR PUSTAKA

- Al-Musawi, M.D.K & Al-Tamimi, A.J.T. 2023. Assessment of variations in *Catharanthus roseus* L. induced by gamma rays and sodium azide using RAPD markers. *Sabrao Journal of Breeding and Genetics*, 55(2), pp. 407–416.
- Anand, U., Nandy, S., Mundhrac, A., Dasc, N., Pandeyd, D. K. & Deyb, A. 2020. A review on antimicrobial botanicals, phytochemicals and natural resistance modifying agents from Apocynaceae family: possible therapeutic approaches against multidrug resistance in pathogenic microorganisms. *Drug Resistance Updates*, 55, pp. 1–30.
- Chaturvedi, V., Goyal, S., Mukim, M., Meghani, M., Patwekar, F., Patwekar, M., Sharma, G. N. 2022. A comprehensive review on *Catharanthus roseus* L. (G.) Don: clinical pharmacology, ethnopharmacology and phytochemistry. *Journal of Pharmacological Research and Developments*, 4(2), pp.17-36.
- Das, S. & Sharangi, A. B. 2017. Madagascar periwinkle (*Catharanthus roseus* L.): diverse medicinal and therapeutic benefits to humankind. *Journal of Pharmacognosy and Phytochemistry*, 6(5), pp. 1695–1701.
- Dwiati, M., Rahmah, S. A. & Susanto, A. H. 2023. Molecular profile of cogongrass [*Imperata cylindrica* (L.) Raeusch] in Java Island based on trnT(UGU)-trnL(UAA) IGS sequences. *Jurnal Biodjati*, 8(1), pp. 29–43.
- Dyomin, A., Galkina, S., Fillon, V., Cauet, S., Lopez-Roques, C., Rodde, N., Klopp, C., Vignal, A., Sokolovskaya, A., Saifitdinova, A. & Gaginskaya, E. 2019. Structure of the intergenic spacers in chicken ribosomal DNA. *Genetics Selection Evolution*, 51(59), pp 1–13.
- Gonzalez-Bosquet J. & Chanock S. J. 2011. Basic principles and laboratory analysis of genetic variation. *IARC Science Publications*. 163(1), pp. 99–120.
- Hall, T.A., 1999. BioEdit: A user-friendly biological sequence alignment editor and analysis program for windows 95/98/NT. *Nucleic Acids Symposium Series*, 41(1), pp. 95–98.
- Hani, H. A., Gadalla, E.G., Zein, H. S., El-Maaty, S. A. & Hussein, M. H. 2020. Identification of some cultivars of Egyptian date palm (*Phoenix dactylifera* L.) using DNA barcoding. *Plant Archives*, 20(1), pp. 1807-1813.
- Khaleel, F. & Saeed, J. 2021. Genetic variation among three *Zea mays* L. cultivars in Iraq. *IOP Conference Series: Earth and Environmental Science*, 910, pp. 1-6.
- Ku, C. Wan-Chia, C., Ling-Ling, C. & Chih-Horng K., 2013. The complete plastid genome sequence of madagascar periwinkle *Catharanthus roseus* (L.) G. Don: plastid genome evolution, molecular marker identification, and phylogenetic implications in asterids. *PLoS ONE*, 8(6), pp. 1-11.
- Makki, R. M., Saeedi, A. A., Khan, T. K., Ali H. M. & Ramadan A. M. 2019. Single nucleotide polymorphism analysis in plastomes of eight *Catharanthus roseus* cultivars. *Biotechnology & Biotechnological Equipment*, 33(1), pp. 1–10.

- Mishra, J. N., & Verma, N. K. 2017. A brief study on *Catharanthus Roseus*: a review. *International Journal of Research in Pharmacy and Pharmaceutical Sciences*, 2(2), pp. 20-23.
- Paradis, E., 2018. The distribution of branch lengths in phylogenetic trees, *Molecular Phylogenetics and Evolution*, 94(2), pp.136 – 145.
- Randall M. J., Karst, J., Pec, G. C., Davis, C. S., Hall, J. C. Cahill, J. F. 2014. A molecular identification protocol for roots of boreal forest tree species. *Application Plant Science*, 2(11), pp. 1–8.
- Samiyarsih, S., Naipospos, N. & Palupi, D. 2019. Variability of *Catharanthus roseus* based on morphological and anatomical characters, and chlorophyll contents, *Biodiversitas*, 20(10), pp. 2986–2993.
- Sanger, F., Nicklen, S. & Coulson, A. R. 1977. DNA sequencing with chain-terminating inhibitors. *Proceedings of the National Academy of Sciences*, 74(12), pp. 5463–5467.
- Semagn, K. 2013. Leaf Tissue sampling and DNA extraction protocols. *Molecular Plant Taxonomy*, 1115(1), pp. 53–67.
- Skuza, L., Szućko, I., Filip, E. & Strzała, T., 2019. Genetic diversity and relationship between cultivated, weedy and wild rye species as revealed by chloroplast and mitochondrial DNA non-coding regions analysis. *PLoS ONE*, 14(2), pp. 1–21.
- Sophian, A. & A. Syukur. 2021. Analysis of purity and concentration of isolated DNA in making Rraw DNA of rat species. *Indonesia Journal of Food and Drug Safety*. 1(2):1–5.
- Suriani, C., Prasetya, E., Harsono, T., Manurung, J., Prakasa, H., Handayani, D., Jannah, M. & Rachmawati, Y. 2021. DNA barcoding of andaliman (*Zanthoxylum acanthopodium* d. c.) from North Sumatra province of Indonesia using maturase k gene. *Tropical Life Sciences Research*, 32(2), pp. 15–28.
- Susanto, A. H., Dwiati, M. & Pratiwi, S. 2020. Molecular characteristics of two phenotypically identical species of Asteraceae based on the intergenic spacer *trnT(UGU)-trnL(UAA)*. *Biodiversitas*, 21(11), pp. 5164–5169.
- Tamura, K., Stecher, G., Peterson, D., Filipski, A. & Kumar, S. 2021. MEGA11: molecular evolutionary genetics analysis version 11. *Molecular Biology and Evolution*, 38(7), 3022–3027.
- Tekpinar, A. D., Aktas, C., Kansu, C., Duman, H. & Kaya Z. 2021. Phylogeography and phylogeny of genus *Quercus* L. (Fagaceae) in turkey implied by variations of *trnT(UGU)-L(UAA)-F(GAA)* Chloroplast DNA Region. *Tree Genetics & Genomes*, 17(40), pp.1–18.
- Thell, A., Hansson, M., Persson, P. E., Seaward, M.R.D., Veste, M. & Hedren, M. 2019. ETS and plastid sequence data indicate a spontaneous origin of *Scandinavian betony*, *Betonica officinalis* L. *Biologia Futura*, 70, pp. 218-239.
- Thompson, J. D., Higgins, D. G. & Gibson T. J. 1994. Clustal W: improving the sensitivity of progressive multiple sequence alignment through sequence weighting, position-

- specific gap penalties and weight matrix choice. *Nucleic Acids Research*, 22(22), pp. 4673–4680.
- Torkian, B., Hann, S., Preisner, E. & Norman, R. S. 2020. BLAST-QC: automated analysis of BLAST results. *Environmental Microbiome*, 15(15), pp. 1-8.
- Turaki, A. A., B. Ahmad B., U., Magaji F., K., Abdulrazak U., A., Yusuf B. A. & B., Hamza A. 2017. Optimised cetyltrimethylammonium bromide (CTAB) DNA extraction method of plant leaf with high polysaccharide and polyphenolic compounds for downstream reliable molecular analyses. *African Journal of Biotechnology*, 16(24), pp. 1354-1365
- Urry, L. A., Cain, M. L. Wasserman, S.A., Minorsky, P. V., Reece, J. B., Campbell, N. A. 2021. *Campbell Biology 12 ed.*, London: Pearson.
- Warseno, T., Effendi, M., Chasani, A. R. & Daryono, B. S. 2022. Genetic variability and phylogenetic relationships of begonia multangula based on atpb-rbcl non-coding spacer of cpDNA sequences. *Biodiversitas*, 23(10), pp. 5491-5501.
- Xuan, Y., Wu, Y., Li, P., Liu, R., Luo, Y., Yuan, J., Xiang, Z. & He, N. 2019. Molecular phylogeny of mulberries reconstructed from its and two cpDNA sequences. *PeerJ Publication*, 7(1), pp. 1–21.
- Yun, S. & Hyeran, K. 2023. Insight into the phylogenetic relationships and evolutionary history of pepper cultivars (*Capsicum annuum* L.) through comparative analyses of plastomes. *Horticulturae*, 9(1092), pp. 1-16.
- Zarani M. T., Agouillal, F., R., Lim J., Marof, A. Q., Dailin, D. J., Nurjayadi, M., Razif, E. N. M., Gomaa, S. E. & Enshasy, H. E. Anticancer molecules from *Catharanthus roseus*. *Indonesian Journal of Pharmacy*, 30(3), pp. 147–156.
- Zrimec, J., Kopinč, R., Rijavec, T., Zrimec, R. & Lapanje, A. 2013. Band smearing of PCR amplified bacterial 16S rRNA genes: Dependence on initial PCR target diversity. *Journal of Microbiological Methods*, 95 (2), pp. 186–194.