



## DAFTAR PUSTAKA

- Adhikari, S., S. Saha, A. Biswas, T. S. Rana, T. K. Bandyopadhyay, and P. Ghosh. 2017. Application of molecular markers in plant genome analysis: a review. *Nucleus* 60: 283-297.
- Alzahib, R. H., H. M. Migdadi, A. A. Al-Ghamdi, M. S. Alwahibi, M. Afzal, E. H. Elharty, and S. S. Alghamdi. 2021. Exploring genetic variability among and within hail tomato landraces based on Sequence-Related Amplified Polymorphism Markers. *Diversity* 13(3): 135.
- Amiryousefi, A., J. Hyvonen, and P. Poczal. 2018. iMEC: Online Marker Efficiency Calculator. *Applications in Plant Sciences* 6(6): 1-4.
- Amiteye, S. 2021. Basic concepts and methodologies of DNA marker systems in plant molecular breeding. *Heliyon* 7(10): 1-19.
- Andersson, L. 1998. Marantaceae. *In: K. Kubitzki (Eds.) The Families and Genera of Vascular Plants*. Springer, Germany, p: 278-291.
- Anioł, A. 2001. Genetic Variation, Development and Availability of Useful Germplasm for Plant Breeding. *In: Instytut Hodowli i Aklimatyzacji Roślin (Eds.) Plant Breeding and Seed Science*. Cornell University, USA, p: 33-43.
- Badawy, E. M., E. E. El-Meadawy, and W. H. El-Ezawy. 2020. Micropropagation of *Calathea medallion* an ornamental plant. *Plant Archives* 20(1): 1483-1489.
- Barrandeguy, M. E. and M. V. García. 2020. The sensitiveness of expected heterozygosity and allelic richness estimates for analyzing population genetic diversity. *In: R. T. Maia and M. de A. Campos (Eds.) Genetic Variation*. IntechOpen, United Kingdom, p: 45-55.
- Bharti, A., N. R. Yadav, V. Chawla, and R. C. Yadav. 2012. *Sequence-related amplified polymorphism* (SRAP) molecular marker system and its applications in crop improvement. *Molecular Breeding* 30:1635–1648.
- Bhatt, J., S. Kumar, S. Patel, and R. Solanki. 2017. *Sequence-related amplified polymorphism* (SRAP) markers based genetic diversity analysis of cumin genotypes. *Annals of Agrarian Science* 15: 434-438.
- Bolio-López, G. I., G. Cadenas-Madrigal, L. Veleza, R. Falconi, M. M. Hernández-Villegas, and L. Pelayo-Muñoz. 2015. Extraction of cellulose fibers from to leaf petioles (*Calathea lutea*) and characterization. *International Journal of Innovative Science, Engineering & Technology* 2(4): 977-981.
- Borchsenius, F., L. S. S. Suárez, and L. M. Prince. 2012. Molecular phylogeny and redefined generic limits of *Calathea* (Marantaceae). *Systematic Botany* 37(3): 620-635.
- Botstein, D., R. L. White, M. Skolnick, and R. W. Davis. 1980. Construction of a genetic linkage map in man using restriction fragment length polymorphisms. *American Journal of Human Genetics* 32: 314–331.



- Braga, J. M. A. and H. Kennedy. 2014. *Calathea dorothyae* sp. nov. (Marantaceae) from the sandy coastal plains of southeastern Brazil. *Nordic Journal of Botany* 30(1): 36-39.
- Brown, T. A. 2002. *Genomes*. 2<sup>nd</sup>ed. BIOS Scientific Publishers, New York.
- Budak, H. R. C., I. Shearman, R. E. Parmaksiz, T. P. Gaussoin, and D. Riosdan. 2004. Molecular characterization of Buffalograss germplasm using sequence-related amplified polymorphism markers. *Theoretical and Applied Genetics* 108:328–334.
- Chao, C. T., P. S. Devanand, and J. Chen. 2005. AFLP analysis of genetic relationships among *Calathea* species and cultivars. *Plant Science* 168: 1459–1469.
- Chesnokov, Y. V. and A. M. Artemyeva. 2015. Evaluation of the measure of polymorphism information of genetic diversity. *Agricultural Biology* 50: 571-578.
- Chesnokov, Y. V., V. M. Kosolapov, and I. V. Savchenko. 2021. Morphological Genetic Markers in Plants. *Russian Journal of Genetics* 56, 1406–1415.
- Chueakhunthod, W., A. Khairum, P. Jaukwon, T. Chantakot, T. Woramit, S. Hualsawat, and P. A. Tantasawat. 2023. Sequence-related Amplified Polymorphism and Target Region Amplification Polymorphism markers based profiling of sodium azide and ethyl methanesulfonate-derived black rot-resistant *Dendrobium* sp. 'Earsakul' mutants from in vitro mutagenesis and selection. *Hort Science* 58(12):1465–1473.
- CNN Indonesia. 2021. Tanaman Hias yang Harganya Bakal Selangit di 2021. <https://www.cnnindonesia.com/gaya-hidup/20210119092802-277-595447/tanaman-hias-yang-harganya-bakal-selangit-di-2021>. Diakses tanggal 14 Juni 2024.
- Devi, K. D., K. Punyarani, N. S. Singh, and H. S. Devi. 2013. An efficient protocol for total DNA extraction from the members of order Zingiberales- suitable for diverse PCR based downstream applications. *Springer Plus* 2: 1-9.
- Djuita, N. R., A. Hartana, dan T. Chikmawati, dan Dorly. 2020. Keanekaragaman genetik kapulasan [*Nephelium ramboutan-ake* (Labill.) Leenh.] di Jawa berdasarkan marka SSR dan ISSR. *Floribunda* 6(4): 117-126.
- Fauzia, L., R. G. Siregar, M. Jufri, M. B. Darus, and D. Pebriyanti. 2023. Analysis of consumer preference for purchasing ornamental plants. *International Journal of Research and Review* 10(2): 596-601.
- Furlan, E., J. Stoklosa, J. Griffiths, N. Gust, R. Ellis, R. M. Huggins, and A. R. Weeks. 2012. Small population size and extremely low levels of genetic diversity in island populations of the platypus, *Ornithorhynchus anatinus*. *Ecology and Evolution* 2(4): 844-857.
- Govindaraj, M., M. Vetriventhan, and M. Srinivasan. 2015. Importance of genetic diversity assessment in crop plants and its recent advances: An overview of its analytical perspectives. *Genetics Research International*. 31487.



- Hani, N., E. S. B., dan R. I. Damanik. 2020. Analisis keragaman genetik klon kelapa sawit (*Elaeis guineensis* Jacq.) berdasarkan primer SSR (*Simple Sequence Repeats*). *Jurnal Online Agroekoteknologi* 8(1): 10-16.
- Herbert, T. J. and P. B. Larsen. 1985. Leaf movement in *Calathea lutea* (Marantaceae). *Oecologia* 67: 238-243.
- Huylbroeck, V. J., E. Calsyn, A. V. den Broeck, R. Denis, and E. Dhooghe. 2018. *Calathea*. In: J. V. Huylbroeck (Eds.) *Ornamental Crops*. Springer, Switzerland, p: 301-319.
- Ishimaru, Y., S. Hamamoto, N. Uozumi, and M. Ueda. 2012. Regulatory Mechanism of Plant Nyctinastic Movement: An Ion Channel-Related Plant Behavior. *Plant Electrophysiology*. Springer, Berlin.
- Istomo dan K. Hafazallah. 2023. Keanekaragaman tumbuhan di Kawasan Lindung Areal IUPHHK-HT PT. Wana Hijau Pesaguan Provinsi Kalimantan Barat. *Jurnal Silvikultur Tropika* 14(1): 30-38.
- Kaewpongumpai, S., S. Poeaim, and O. Vanijajiva. 2016. *Sequence-Related Amplified Polymorphism* (SRAP) analysis for studying genetic characterization of *Bouea macrophylla*. *Biodiversitas* 17(1): 539-543.
- Kartahadimaja, J., S. D. Utomo, E. Yuliadi, A. K. Salam, Warsono, dan A. Wahyudi. 2021. Agronomic characters, genetic and phenotypic diversity coefficients, and heritability of 12 genotypes of rice. *Biodiversitas* 22(3): 1091-1097.
- Kartikaningrum, S. 2020. Keragaman Genetik Iler (*Coleus* spp.) berdasarkan Penanda *Sequence-Related Amplified Polymorphism* (SRAP). Fakultas Pertanian. Universitas Gadjah Mada. Skripsi.
- Kennedy, H. 2000. Diversification in Pollination Mechanisms in The Marantaceae. In: K. L. Wilson and D. A. Morrison (Eds.) *Monocots - Systematics and Evolution*. CSIRO, Australia, p: 335-343.
- Kennedy, H. 2011. Three new distichous-bracted species of *calathea* (Marantaceae) from Panama. *Novon: A Journal for Botanical Nomenclature* 21(2): 201-211.
- Kennedy, H. and R. Flores. 2015. *Calathea galdamesiana* (Marantaceae), a new endemic Panamanian species. *Journal of the Botanical Research Institute of Texas* 9(2): 319-323.
- Kosman, E. and K. J. Leonard. 2005. Similarity coefficients for molecular markers in studies of genetic relationships between individuals for haploid, diploid, and polyploid species. *Molecular Ecology* 14(2): 415-424.
- Kumari, A., K. Lahiri, M. J. Mukhopadhyay, and S. Mukhopadhyay. 2014. Genome analysis of species of *Calathea* utilizing chromosomal and nuclear DNA parameters. *Nucleus* 57(3): 203-208.
- Lefever, S., F. Pattyn, J. Hellemans, and J. Vandesompele. 2013. Single-Nucleotide Polymorphisms and other mismatches reduce performance of quantitative PCR Assays. *Clinical Chemistry* 59(10): 1470-1480.



- Li, A., M. Ma, H. Li, S. He, and S. Wang. 2023. Genetic diversity and population differentiation of a Chinese endangered plant *Ammopiptanthus nanus* (M. Pop.) Cheng f. *Genes* 14(5): 1020.
- Li, G. and C. F. Quiros. 2001. *Sequence-related amplified polymorphism* (SRAP), a new marker system based on a simple PCR reaction: its application to mapping and gene tagging in *Brassica*. *Theoretical and Applied Genetics* 103: 455–461.
- Li, G., P. B. E. Mcvetty, and C. F. Quiros. 2012. SRAP Molecular Marker Technology in Plant Science. *In: S. B. Andersen (Eds.) Plant Breeding from Laboratories to Fields*. IntechOpen, Croatia, p: 23-43.
- Li, L., Z. Dong, Y. Lei, J. Zhao, Y. Xiong, J. Yang, Y. Xiong, W. Gou, and X. Ma. 2021. Genetic diversity and molecular characterization of worldwide prairie grass (*Bromus catharticus* Vahl) accessions using SRAP markers. *Agronomy* 11(10): 1-12.
- Liu, M., M. Ding, L. Chen, K. Ouyang, W. Hui, J. Li, and X. Chen. 2014. Genetic diversity and relationships among *Canavalia ensiformis* (L.) DC. accessions as revealed by sequence-related amplified polymorphism markers. *Biochemical Systematics and Ecology* 57: 242-249.
- Luan, S., T. Chiang, and X. Gong. 2006. High genetic diversity vs. low genetic differentiation in *Nouelia insignis* (Asteraceae), a narrowly distributed and endemic species in China, revealed by ISSR k. *Annals of Botany* 98(3): 583–589.
- Mahmudah, F. 2022. Keragaman Genetik Enam Belas Tanaman Sri Rejeki (*Aglaonema* spp.) berdasarkan Penanda DNA *Sequence-Related Amplified Polymorphism* (SRAP). Fakultas Pertanian. Universitas Gadjah Mada. Skripsi.
- Maltas, E., H. C. Vural, and S. Yildiz. 2011. Extraction of genomic DNA from polysaccharide- and phenolics-rich *Ginkgo biloba*. *Journal of Medicinal Plants Research* 5(3): 332-339.
- Malterud, K. E., E. Wollenweber and Luis D. P. Gómez. 1979. Notizen: The wax of *Calathea lutea* (Marantaceae). *Zeitschrift für Naturforschung C*. 34(1-2): 157-158.
- Meyer, G. F. E. 1818. *Primitiae florae Essequibonensis*. Sumptibus H. Dieterich, Gottingen.
- Moulton, V., A. Spillner, and T. Wu. 2018. UPGMA and the normalized equidistant minimum evolution problem. *Theoretical Computer Science* 721: 1-15.
- Mustafa, H., I. Rachmawati, dan Y. Udin. 2016. Pengukuran konsentrasi dan kemurnian DNA genom nyamuk *Anopheles barbirostris*. *Jurnal Vektor Penyakit* 10(1): 7-10.
- Nadeem, M. A., M. A. Nawaz, M. Q. Shahid, Y. Doğan, G. Comertpay, M. Yıldız, R. Hatipoğlu, F. Ahmad, A. Alsaleh, N. Labhane, H. Özkan, G. Chung, and F. S. Baloch. 2018. DNA molecular markers in plant breeding: current status and recent advancements in genomic selection and genome editing. *Biotechnology & Biotechnological Equipment* 32(2): 261-285.



- Naziah, A. N. 2023. Karakterisasi Morfologi Beberapa Aksesori Tanaman *Calathea* (*Calathea* spp.). Fakultas Pertanian. Universitas Gadjah Mada. Skripsi.
- Nguyen, H. C., K. H. Lin, T. C. Hsiung, M. Y. Huang, C. M. Yang, J. H. Weng, M. H. Hsu, P. Y. Chen, and K. C. Chang. 2018. Biochemical and physiological characteristics of photosynthesis in plants of two *calathea* species. *International Journal of Molecular Sciences* 19(3):704.
- Ningrum, W. N. 2021. Analisis Keragaman Genetik 10 Populasi Tanaman Mentimun (*Cucumis sativus* L.) berdasarkan Marka Molekuler *Sequence-Related Amplified Polymorphism* (SRAP). Fakultas Pertanian. Universitas Gadjah Mada. Skripsi.
- Oluoch, P., E. N. Nyaboga, and J. L. Bargul. 2018. Analysis of genetic diversity of passion fruit (*Passiflora edulis* Sims) genotypes grown in Kenya by *Sequence-Related Amplified Polymorphism* (SRAP) markers. *Annals of Agrarian Science* 16: 367-375.
- Peakall, R. and P. E. Smouse. 2012. GenA1Ex 6.5: genetic analysis in Excel. Population genetic software for teaching and research—an update. *Bioinformatics* 28(19): 2537–2539.
- Purwoko, D., Pramono, T. Tajuddin, Rismayanti, I. Dinuriah, M. F. Yanuar, H. Arisah, dan D. Agisimanto. 2021. Analisis homogenitas genetik klon apel (*Malus* spp.) hasil perbanyakan *ex vitro* berdasarkan penanda SSR. *Jurnal Bioteknologi & Biosains Indonesia* 8(1): 57-67.
- Rizko, N., H. P. Kusumaningrum, R. S. Ferniah, S. Pujiyanto, T. Erfianti, S. N. Mawarni, H. T. Rahayu, dan D. Khairunnisa. 2020. Isolasi DNA daun jeruk bali merah (*Citrus maxima* Merr.) dengan modifikasi metode Doyle and Doyle. *Berkala Bioteknologi* 3(2): 1-7.
- Robarts, D. H. W. and A. D. Wolfe. 2014. *Sequence-Related Amplified Polymorphism* (SRAP) Markers: A potential resource for studies in plant molecular biology. *Applications in Plant Sciences* 2(7): 1-13.
- Rout, G. R., S. K. Senapati, and S. Aparajita. 2007. Studies on the genetic relationship among 13 cultivars of *Calathea* (Marantaceae) using RAPD and ISSR markers. *Advances in Horticultural Science* 21(3): 147-155.
- Rozali, S. E. and K. A. Rashid. 2015. Evaluation of efficient method for acclimatization of an important ornamental rhizomatic plant, *Calathea crotalifera*. *Malaysian Applied Biology* 44 (3): 17–24.
- Sahu, S. K., M. Thangaraj, and K. Kathiresan. 2012. DNA extraction protocol for plants with high levels of secondary metabolites and polysaccharides without using liquid nitrogen and phenol. *International Scholarly Research Network Molecular Biology* 12: 1-6.
- Salgotra, R. K. and B. S. Chauhan. 2023. Genetic diversity, conservation, and utilization of plant genetic resources. *Genes* 14(1): 174.



- Saragih, R., D. Saptadi, C. U. Zanetta, dan B. Waluyo. 2018. Keanekaragaman genotipe-genotipe potensial dan penentuan keragaman karakter agro-morfologi ercis (*Pisum sativum* L.). *Jurnal Agro* 5(2): 127-139.
- Sari, V. K. dan R. H. Murti. 2015. An effective method for dna extraction of mature leaf of sapodilla (*Manilkara zapota* (L.) van Royen). *Agrivita* 37(1): 18-23.
- Serrote, C. M. L., L. R. S. Reiniger, K. B. Silva, S. M. dos S. Rabaiolli, and C. M. Stefanel. 2020. Determining the polymorphism information content of a molecular marker. *Gene* 726: 1-4.
- Sisea, C. R. 2024. Characteristics of Various Types of Plant Breeding. *In: M. Seifi (Eds.) Beyond the Blueprint: Decoding the Elegance of Gene Expression*. IntechOpen, Croatia, p: 1-26.
- Smith, S., D. Bubeck, B. Nelson, J. Stanek, and J. Gerke. 2015. Genetic Diversity and Modern Plant Breeding. *In: M. R. Ahuja and S. M. Jain (Eds.) Genetic Diversity and Erosion in Plants*. Springer, Switzerland, p: 55-88.
- Staeck, L. 2022. *Fascination Amazon River: Its People, Its Animals, Its Plants*. Springer, Berlin.
- Straube, D. and A. Juen. 2013. Storage and shipping of tissue samples for DNA analyses: A case study on earthworms. *European Journal of Soil Biology* 57: 13-18.
- Suarez, L. S. 2010. A new species of *Calathea* (Marantaceae) from Colombia. *Caldasia* 32(2): 295-299.
- Sulistiyawati P. dan A. Y .P .B. C. Widyatmoko. 2017. Keragaman genetik populasi kayu merah (*Pterocarpus indicus* Willd) menggunakan penanda Random Amplified Polymorphism DNA. *Jurnal Pemuliaan Tanaman Hutan* 11(1): 67-76.
- Sun, H., F. Li, X. Cao, Q. Ruan, and X. Zhong. 2015. Analysis of genetic relations and evaluation of medicinal value among *Hedera* plants in China by sequence related amplified polymorphism markers and high performance liquid chromatography detection. *Biochemical Systematics and Ecology* 65: 38-44.
- Swetha, V. P., V. A. Parvathy, T. E. Sheeja, and B. Sasikumar. 2014. Isolation and amplification of genomic DNA from barks of *Cinnamomum* spp. *Turkish Journal of Biology* 38: 151-155.
- Taylor, S., M. Wakem, G. Dijkman, M. Alsarraj, and M. Nguyen. 2010. A practical approach to RT-qPCR— publishing data that conform to the MIQE guidelines. *Methods* 50(4): 1-5.
- Thakor, M. C., R. S. Fougat, S. Kumar, and A. A. Sakure. 2019. *Sequence-related amplified polymorphism* (SRAP) analysis of teak (*Tectona grandis* L.) germplasm. *Ecological Genetics and Genomics* 12: 1-6.
- Tomiurk, J. and D. Graur. 1988. Nei's modified genetic identity and distance measures and their sampling variances. *Systematic Zoology* 37(2):156-162.



- Torres-Morales, G., M. Flórez-Pulido, N. Vargas, R. Peña-Cañón, and M. Fernández-Lucero. 2022. The Useful Plants and Fungi of Colombia (UPFC). Royal Botanic Gardens, Kew, UK and Colombia.
- United States Department of Agriculture. 2024. Natural Resources Conservation Service: *Calathea* G. Mey. <https://plants.usda.gov/home/plantProfile?symbol=CALAT>. Diakses tanggal 27 Juni 2024.
- Vika, T.O., A. Purwantoro, dan R.A. Wulandari. 2015. Keragaman molekuler pada tanaman lili hujan (*Zephyranthes* spp.). *Vegetalika* 4(1) : 70-77.
- Waples, R. S. 2022. What Is Ne , Anyway? *Journal of Heredity* 113: 371-379.
- Xie, N. G., M. X. Wang, P. Song, S. Mao, Y. Wang, Y. Yang, J. Luo, S. Ren, and D. Y. Zhang. 2022. Designing highly multiplex PCR primer sets with Simulated Annealing Design using Dimer Likelihood Estimation (SADDLE). *Nature Communications* 13: 1-10.
- Xu, Y. 2010. *Molecular Plant Breeding*. CABI International, Oxfordshire.
- Yang, C., Y. Cheng, E. C. Yang, L. Chuang, and Y. Lin. 2022. Multiobjective optimization-driven primer design mechanism: towards user-specified parameters of PCR primer. *Briefings in Bioinformatics* 23(3): 1-13.
- Yang, S. H. and D. M. Yeh. 2008. In vitro leaf anatomy, ex vitro photosynthetic behaviors and growth of *Calathea orbifolia* (Linden) Kennedy plants obtained from semi-solid medium and temporary immersion systems. *Plant Cell Tissue and Organ Culture* 93: 201-207.
- Zhang, C., L. Zhu, M. Wang, Y. Tang, H. Zhou, Q. Sun, Q. Yu, and J. Zhang. 2022. Evaluation of SRAP markers efficiency in genetic diversity of *Aspergillus flavus* from peanut-cropped soils in China. *Oil Crops Science* 7(3): 135-141.
- Zhang, J. H., J. C. Zeng, X. M. Wang, S. F. Chen, D. C. Albach, and H. Q. Li. 2020. A revised classification of leaf variegation types. *Flora* 272: 1-14.
- Zhou, L., R. Yarra, H. Cao, and Z. Zhao. 2021. *Sequence-Related Amplified Polymorphism* (SRAP) markers based genetic diversity and population structure analysis of oil palm (*Elaeis guineensis* Jacq.). *Tropical Plant Biology* 14:63–71.