DAFTAR PUSTAKA

Agisimanto, D., C. Martasari, dan A. Supriyanto. 2007. Perbedaan Primer RAPD dan ISSR dalam Identifikasi Hubungan Kekerabatan Genetik Jeruk Siam (*Citrus suhuniensis* L. Tan) Indonesia. *Jurnal Hortikultura*, 17(2):101-110.

Beigmohamadi M. and F. Rahmani. 2011. Genetic variation in hawthorn (Crataegus spp.) using RAPD markers. *African Journal of Biotechnology,* 10(37):7131-7135.

Blanc, P. 2018. *Vertical Garden Patrick Blanc*. https://www.verticalgardenpatrick blanc.com/inspiration/karst-and-limestone-cliffs?page=8. Diakses pada tanggal 10 Agustus 2021.

Booy, G., R.J.J. Hendriks, M.J.M. Smulders, J. M. Van Groenendael, and B. Vosman. 2000. Genetic Diversity and the Survival of Populations. *Plant Biology*, 2: 379-395.

Burtt, B.L. 1978. Studies in the Gesneriaceae of the Old World XLV: A preliminary revision of Monophyllaea. In *Notes of the Royal Botanic Garden Edinburgh*, 37: 1-59.

Carvalho, Y.G.S., L.C. Vitorino, U.J.B de Souza, and L.A. Bessa. 2019. Recent Trends in Research on the Genetic Diversity of Plants: Implications for Conservation. *Diversity*, 11(62): 1-21. DOI: 10.3390/d11040062.

Cerqueira-Silva, C.B., F.G. Faleiro, O. Nunes de Jesus, E.S. Lisboa Dos Santos and A. Pereira de Souza. 2015. The genetic diversity, conservation, and use of passion fruit (*Passiflora* spp.). In: Sustainable Development and Biodiversity 8: Genetic Diversity and Erosion in Plants. *Springer International Publishing*. 2(1): 215-231.

Chung, M.Y., J.L. Pujol, S. Son, G.U. Suh, T. Yukawa, and M.G. Chung. 2017. Patterns of Genetic Diversity in Rare and Common Orchids Focusing on the Korean Peninsula: Implications for Conservation. *Bot. Rev.* 84: 1-25. DOI: 10.1007/s12229-017-9190-5.

de Vogel, E.F. 1987. Guidelines for the Preparation of Revisions. In de Vogel, E.F. *Manual of Herbarium Taxonomy Theory and Practice*. Jakarta: UNESCO.

Dela, F. 2018. *Variasi Genetik Cempedak (Artocarpus Integer* (Thunb.) Merr*) di Pumonean Siberut Dan Hutan Limau Manis Menggunakan Metode RAPD*. Skripsi Sarjana Biologi FMIPA Universitas Andalas. Padang.

Doyle, J.J., and Doyle, J.L. 1987. A Rapid DNA Isolation Procedure for Small Quantities of Fresh Leaf Tissue. *Phytochem Bull*, 19: 11-15.

Dubreuil, M., M. Riba, and M. Mayol. 2008. Genetic Structure and Diversity in *Ramonda myconi* (Gesneriaceae): Effects of Historical Climate Change on A Preglacial Relict Species. *Amer J Bot*, 95:577-587.

Erickson, V., C. Aubry, P. Beraang, T. Blush, A. Bower, B. Crane, T. Despain, D. Gwaze, J. Hamlin, M. Horning, R. Johnson, M. Mahalovich, M. Maldonado, R. Sniezko and B. St. Clair. 2012. *Genetic Resource Management and Climate Change: Genetic Option for Adapting National Forest to Climate Change*. USDA Forest Service, Fores Management. Washington DC.

Fadillah, J., Mansyurdin, T. Maideliza. 2022. Genetic Diversity of *Flacourtia rukam* Zoll. & Moritzi a Local Fruit Tree Using Random Amplified Polymorphic DNA Markers. *RRJOB*, 10(5).

Finkeldey, R. 2005. *An Introduction to Tropical Forest Genetiks: Molekuler Basic The Gene As A Function Unit. Institute Of Forest Genetiks And Forest Tree Breeding.* Germany.

Gao, Y., B. Ai., H. Kong., M. Kang, and H. Huang. 2015. Geographical Pattern of Isolation and Diversification in Karst Habitat Islands: A Case Study in the *Primulina eburnean* complex. *Journal of Biogeography*. 42: 2131-2144. DOI: 10.1111/jbi.12576.

Global Biodiversity Information Facility (GBIF). 2019. https://www.gbif.org/species/6365540. Diakses pada tanggal 02 Februari 2021.

Götzenberger, L., W. Durka, I. Kühn, and S. Klotz. 2007. The Relationship Between the Pollen-ovule Ratio and Pollen Size: Another Comparative Test of A Sex Allocation Hypothesis. *Evolutionary ecology research,* 9:1145-1161.

Goulão, L., L. Cabrita, C. M. Oliveira, and J. M. Leitão. 2001. Comparing RAPD and AFLP Analysis in Discrimination and Estimation of Genetic Similarities Among Apple (*Malus domestica* Borkh.) cultivars. *Euphytica*, 119: 259–270.

Gusmiaty, M. Restu., Asrianny, dan S. H. Larekeng. 2016. Polimorfisme Penanda RAPD untuk Analisis Keragaman Genetik *Pinus merkusii* di Hutan Pendidikan Unhas. *Jurnal Natur Indonesia.* 16(2): 47-5.

Hamilton, M. B. 2009. *Population genetics*. Wiley-Blackwell. Hoboken, USA.

Hamrick, J.L. 1989. *Isozymes and the Analysis of Genetic Structure in Plant Advances in Plant Sciences Series*. Vol. 4. Portland Oregon: Dioscorides Press. In Soltis, D. E. & Soltis, P. S. (eds.), Isozymes in Plant Biology.

Hamrick, J.L and M.J.W. Godt. 1996. Effects of Life History Traits on Genetic Diversity in Plant Ppecies. *Phil. Trans. R. Soc. Lond.* 315: 1291-1298.

Handoyo, D. dan A. Rudiretna. 2001. Prinsip Umum dan Pelaksanaan Polymerase Chain Reaction (PCR) [General Principles and Implementation of Polymerase Chain Reaction]. *Unitas*, 9(1):17-29.

Hanum, L., S. T. Wardana, Alazi , Y. Windusari, N. Aminasih, and E. Patriono. 2020. Analysing South Sumatra red rice polymorphism using random amplified polymorphic DNA (RAPD) markers. *J. Phys.: Conf. Ser*. 1480 012069.

Hasnah, T.M. 2014. Genetic Diversity of *Shorea leprosula* Miq. From Kalimantan by isozime analysis. *Jurnal Penelitian Dipterokarpa*, 8(1):35-46.

Hotta, M. 1986. Check list of Monophyllaea in Sumatra. *In*: *Diversity and Dynamics of Plant Life in Sumatra.* Hotta, M. (ed.). Sumatra Nature Study (Botany). Yoshida College, Kyoto University, Kyoto. Part 2: 127-128.

Hua, Z., W. Hong, and L. Baogui. 1998. The Structure, Species Composition and Diversity of The Limestone Vegetation in Xishuangbanna, SW China. *Gardens' Bulletin (Singapore)*, 50(1): 5-30.

Husin, M.A. 2019. *Struktur Anatomi Organ Vegetatif Tanaman Berdaun Selembar Monophyllaea horsfieldii (Gesneriaceae) Di Objek Wisata Alam Silokek Kabupaten Sijunjung.* Skripsi Sarjana Biologi FMIPA Universitas Andalas. Padang.

Hussein, E.H.A., S.M.M. Abd-alla, N.A. Awad and M.S. Hussein. 2004. Assessment of Genetic Variability and Genotyping of Some Citrus Accessions Using Molecular Markers. *Arab. J. Biotech*. 7 (1): 23-36.

Ikhsan, M. 2020. *Kajian Floristik Dari Famili Gesneriaceae Di Kawasan Karst Silokek, Sijunjung, Sumatera Barat*. Skripsi Sarjana Biologi FMIPA Universitas Andalas. Padang.

Integrated Taxonomic Information System (ITIS). 2011. *World Checklist of Gesneriaceae, database*. www.itis.gov. Diakses pada tanggal 02 Februari 2021.

Iriondo, J.M. 1996. The Survey and Modelling of Small Plant Populations as A Basis for Developing Conservation Strategies. *Bocconea,* 5: 151-157.

Iza, N. 2017. Frekuensi Alel, Heterozigositas dan Migrasi Alel pada Populasi Etnis Jawa dan Madura Di Malang dan Madura, Jawa Timur, Indonesia. *Jurnal Ilmiah Sains*,17(1): 43-50.

Jong, K. and B.L. Burtt. 1975. The Evolution of Morphological Novelty Exemplified in The Growth Patterns of Some Gesneriaceae. *New Phytologist*, 75: 297-311.

Kampowski, T., M.D. Mylo, S. Poppinga, and T. Speck. 2018. How Water Availability Influences Morphological and Biomechanical Properties in The One-leaf Plant *Monophyllaea horsfieldii*. *R. Soc. open sci.* 5: 171076. DOI: 10.1098/rsos.171076

Kampowski, T., M.D. Mylo, T. Speck, and S. Poppinga. 2017. On The Morphometry, Anatomy and Water Stress Behaviour of The Anisocotyledonous *Monophyllaea horsfieldii* (Gesneriaceae) and Their Eco-evolutionary Significance. *Botanical Journal of the Linnean Society,* 185: 425-442.

Khrisnan, A.G., Sabu, T.S., Sible, G.V and L. Xavier. 2015. Genetic diversity analysis in Jackfruit selections of Kuttanad region using RAPD technique. *International Journal of Scientific and Research Publications*, 5(4).

Kiew, R. 2009. The Natural history of Malaysian Gesneriaceae. *Malayan Nature Journal,* 61(3): 257-265.

Klank, C., A.R. Pluess, and J. Ghazoul. 2010. Effects of Population Size on Plant Reproduction and Pollinator Abundance in A Specialized Pollination System. *Journal of Ecology,* 98:1389-1397. DOI: 10.1111/j.1365-2745.2010.01720.x

Kohyama, T. and M. Hotta, 1986. Growth Analysis of Sumatran Monophyllaea, Possessing Only One Leaf Throughout Perennial Life. *Plant Species Biology,* 1: 117-125.

Kusuma, D.W. 2019. Geopark Silokek Sijunjung Menuju UNESCO Global Geopark. *Jurnal Pembangunan Nagari*, 4(1): 17-32.

Langga, I.F., M. Restu dan T. Kuswinanti. 2012. Optimalisasi Suhu Dan Lama Inkubasi Dalam Ekstraksi DNA Tanaman Bitti (*Vitex cofassus* Reinw) Serta Analisis Keragaman Genetik Dengan Teknik RAPD-PCR. *Sains & Teknologi*. 12(3): 267-268.

Larekeng. S.H., R. Dermawan, H. Iswoyo, and K. Mustari. 2019. RAPD Primer Screening for Amplification on Katokkon Pepper from Toraja, South Sulawesi, Indonesia. *IOP Conf.Ser:Earth Environ.Sci*. 270 01202.

Lestari, P. 2016. *Anatomi Organ Vegetatif Sedingin Hutan (Fissistigma fulgens) Dan Tapal Selembar (Monophyllaea horsfieldii) Sebagai Tumbuhan Obat Khas Suku Besemah*. Skripsi Sarjana Biologi FMIPA Universitas Sriwijaya. Inderalaya.

Levy, E., M. Byrne, D.J. Coates, B.M. Macdonald, S. McArthur, and S. van Leeuwen. 2016. Contrasting Influences of Geographic Range and Distribution of Populations on Patterns of Genetic Diversity in Two Sympatric *Pilbara acacias*. *PloS One* 11(10): 0163995. DOI: 10.1371/ journal.pone. 0163995.

Linløkken, A.N., 2018. Genetic Diversity in Small Populations. In: Genetic Diversity and Disease Susceptibility. Y. Liu (ed.). IntechOpen, London. 10.5772/ intechopen.76923.43-55.

Liu, H., F. Zang, Q. Wu, Y. Ma, Y. Zheng and D. Zang. 2020. Genetic diversity and population structure of the endangered plant *Salix taishanensis* based on CDDP markers. *Global Ecology and Conservation*, 24. e01242.

Maki, H., M. Morita, S. Oiki and H. Takahashi. 1999. The Effect of Geographic Range and Dichogamy on Genetic Variability and Population Genetic Structure in Trcyrtis Section Flavae Liliaceae. *Amer. Jour. Bot* 86: 287-292.

Mayer, V., M. Möller, M. Perret, and A. Weber 2003. Phylogenetic Position and Generic Differentiation of Epithemateae (Gesneriaceae) Inferred from Plastid DNA Sequence Data. *American Journal of Botany,* 90: 321–329.

Möller, M., M. Pfosser, C.G. Jang, V. Mayer, A. Clark, M.L. Hollingsworth, M. H. J. Barfuss, Y. Z. Wang, M. Kiehn, and A. Weber. 2009. A preliminary Phylogeny of The Didymocarpoid Gesneriaceae Based on Three Molecular Data Sets: Incongruence With Available Tribal Classifications. *Amer. J. Bot*. 96: 989–1010.

Möller, M., Y.G. Wei, F. Wen, J.L. Clark, A. Weber. 2016. You Win Some You Lose Some: Updated Generic Delineations and Classification of Gesneriaceae Implications for The Family in China. *Guihaia* 36(1): 44–60.

Mondini, L., A. Noorani, and M.A. Pagnotta. 2009. Assessing Plant Genetic Diversity by Molecular Tools. *Diversity*, 1: 19-35; doi:10.3390/d1010019

Morton, J.M., and F.A. Amidon. 2000. Structure of a Limestone Forest on Northern Guam. *Micronesica*, 32(2):229-244.

Moulin, M. M., R. Rodrigues, L.S.A. Gonçalves, C.P. Sudré and M. G. Pereira. 2012. A comparison of RAPD and ISSR markers reveals genetic diversity among sweet potato landraces (*Ipomoea batatas* (L.) Lam.). *Acta Scientiarum. Agronomy. Maringá*, 34(2):139-147.

Na'iem, M. 2000. *Training Course On Basic Forest Genetics: Charecteristic of Forest Genetic Variation*. Fakultas Kehutanan Universitas Gadjah Mada. Yogyakarta.

Nybom, H. and I.V. Bartish. 2000. Effects of Life History Traits and Sampling Strategies on Genetic Diversity Estimates Obtained with RAPD Markers in Plants. *Urban & Fischer Verlag*. 3(2): 93-114.

Oehlkers, F. 1923. Die Entwicklungsgeschichte von *Monophyllaea horsfieldii*. *Beih. Bot. Centralbl.* 39:128-151.

Okada, H. 1990. A Natural Hybrid of *Monophyllaea* (Gesneriaceae) in The Tropical Rain Forests of West Sumatra. *Plant Systematics and Evolution*, 169: 55-63.

Okada, H., and M. Kato. 2002. Pollination Systems Inferred from Pollen-Ovule Ratios Species of Podostemaceae. *Acta Phytotax, Geobo*, 53(1): 5l-61.

Pandin, D.S. 2009. Keragaman Genetik Kultivar Kelapa dalam Mapaget DMT dan dalam Tenga CDTA) Berdasarkan Penanda RAPD. *Buletin Palma*. 36: 18-19.

Prasad, A., M. Singh, N.P. Yadav, A.K. Mathur, A. Mathur. 2014. Molecular, Chemical and Biological Stability of Plants Derived from Artifificial Seeds of *Centella asiatica* (L.) Urban-An Industrially Important Medicinal Herb. *Industrial Crops and Products,* 60: 205-211.

Purnomo, E dan R.S. Ferniah. 2018. Polimorfisme Cabai Rawit Dan Cabai Gendot Dengan Penanda RAPD (*Random Amplified Polymorphic DNA*) Menggunakan Primer OPA-8. *Berkala Bioteknologi*. 1(1): 2-3.

Puspitaningtyas, D.M. dan H. Wawangningrum. 2009. Eksplorasi Keanekaragaman Tumbuhan Di Kawasan Solok Sumatera Barat. *Ekologia*, 9(2): 1-6.

Qin, A., Y. Ding, Z. Jian, F. Ma, J.R.P. Worth, S. Pei, G. Xu, Q. Guo, and Z. Shi. 2020. Low Genetic Diversity and Population Differentiation in *Thuja sutchuenensis* Franch., An Extremely Endangered Rediscovered Conifer Species in Southwestern China. *Global Ecology and Conservation*. 25.

Ramlah. 2015. *Keragaman Genetik Plasma Nutfah Jagung Local Tana Toraja Berbasis Marka SSR (Simple Sequence Repeats)*. Skripsi Sarjana Biologi Fakultas Sains dan Teknologi UIN Alauddin Makassar. Makassar.

Randriani, E., C. Tresniawatim, dan Syafaruddin. 2012. Pemanfaatan Teknik Random Amplified Polymorphic DNA (RAPD) untuk Pengelompokan Secara Genetik Plasma Nutfah Jambut Mete. *Buletin RISTRI*. 3(1): 1-6.

Reed D.H. and R. Frankham. 2003. Correlation Between Fitness and Genetic Diversity. *Conserv Biol,* 17(1): 230–237.

Ridley, H.N. 1906. Note on The Foliar Organs of *Monophyllaea. Annals of Botany,* 20: 213-214.

Saleh, M.F.R.M., dan A. Hartana. 2017. Keanekaragaman Jenis Tumbuhan Cagar Alam Pangi Binangga, Sulawesi Tengah. *Media Konservasi*, 22(3):286-292.

Sambrook, J. and D. W. Russell. 2001. Molecular Cloning: A Laboratory Manual. New York: Cold Spring Harbor Laboratory Press.

Santos, S.C., R.d.S. Carvalho, L.M.C. Davide. 2020. Genetic Polymorphism Among Natural Populations of *Anacardium humile* A. ST-HIL. *Rev. Bras. Frutic., Jaboticabal*. 42(1):476.

Schierenbeck, K. 2017. Population Level Genetic Variation and Climate Change in A Biodiversity Hotspot. *Annals of Botany* 119(2). DOI: 10.1093/aob/mcw214.

Simpson, M.G. 2006. *Plant Systematics*. Elsevier Academic Press Publication, London.

Slatkin, M. 1981. Estimating Levels of Gene Flow in Natural Populations. *Genetics* 99: 323-335.

Smith, J.F., C.C. Burke, and W.L. Wagner. 1996. Interspecific Hybridization in Natural Populations of Cyrtandra (Gesneriaceae) on The Hawaiian Islands: Evidence from RAPD markers. *Pl Syst Evol,* 200: 61-77. https://doi.org/ 10.1007/BF00984748.

Solorzano, S., S. Arias, P. Davila. 2016. Genetics and Conservation of Plant Species of Extremely Narrow Geographic Range. *Diversity,* 8: 31. https://doi.org/ 10.3390/ d8040031.

Szczecińska, M., G. Sramko, K. Wołosz, and J. Sawicki. 2016. Genetic Diversity and Population Structure of The Rare and Endangered Plant Species *Pulsatilla patens* (L.) Mill in East Central Europe. *PLoS One*, 11(3): 0151730.

Tan, K., T. Lu, M.X. Ren. 2020. Biogeography and Evolution of Asian Gesneriaceae Based on Updated Taxonomy. In: Shui Y-M, Chen W-H, Ren M-X, Wen F, Hong X, Qiu Z-J, Wei Y-G, Kang M (Eds) Taxonomy of Gesneriaceae in China and Vietnam. *PhytoKeys* 157: 7-26. https://doi.org/10.3897/phytokeys. 157.34032.

The Gesneriad Society. 2022. https://gesneriads.info/articles/gesneriaceae/pollination-v/. Diakses pada tanggal 12 Mei 2022.

Tsukaya H. 1997. Determination of The Unequal Fate of Cotyledons of A One-leaf Plant, *Monophyllaea*. *Development*, 124: 1275-1280.

Wang, C.N., M. Möller and Q.C. B. Cronk. 2004. Population Genetic Structure of *Titanotrichum oldhamii* (Gesneriaceae), a Subtropical Bulbiliferous Plant with Mixed Sexual and Asexual Reproduction. *Annals of Botany,* 93: 201-209.

Weber, A. 2004a. Gesneriaceae. *In: Flowering plants dicotyledons, the families and genera of vascular plants.* Ed: Kadereit JW. Berlin: Springer, 63-158.

Weber, A. 2004b. Gesneriaceae and Scrophulariaceae: Robert Brown and Now. *Telopea*. 10(2): 543-571

Weber, A., and L.E. Skog. 2007. *The genera of Gesneriaceae. Basic information with illustration of selected species*. http://www.genera-gesneriaceae.at/ . Diakses pada tanggal 20 Januari 2021.

Weber, A., J.L. Clark, and M. Möller. 2013. A New Formal Classification of Gesneriaceae. *Selbyana*, 31: 68-94.

Weising, K., H. Nybom, K. Wolf and G. Kahl. 2005. DNA Fingerprinting in Plants Principles, Methods and Applications. CRC Press. Boca Raton.

Wen G.Q., J. Li, X.H. Liu, Y.S. Zhang, and S.S. Wen. 2014. Extraction of total DNA and optimization of the RAPD reaction system in *Dioscorea opposita* Thunb. *Genetics and Molecular Research*, 13: 1339-1347.

Widyatmoko, A.Y.P.B.C., E.S.P. Lejo, A. Prasetyaningsih, dan A. Rimbawanto. 2010. Keragaman Genetik Populasi *Araucaria cunninghamii* Menggunakan Penanda RAPD (*Random Amplified Polymorphic DNA*). *Jurnal Pemuliaan Tanaman Hutan*. 4(2): 64-65.3

Willi, Y., J. Van Buskirk, Schmid, B. and M. Fischer. 2006. Genetic Isolation of Fragmented Populations is Exacerbated by Drift and Selection. *European Society For Evolutionary Biology*, 20: 534-542.

Williams, J.G.K., A.R. Kubelik, K.J. Livak, J.A Rafalski & S.V. Tingey. 1990. DNA Polymorphism Amplified by Arbitrary Primers are Useful as Genetik Markers. *Nucleic Acids Research*. 18: 6531-6535.

Wu, F.Q., S.K. Shen, X.J. Zhang, Y.H. Wang, and W.B. Sun. 2015. Genetic Diversity and Population Structure of An Extremely Endangered Species: The World's Largest Rhododendron. *AoB PLANTS* 7: plu082; doi:10.1093/ aobpla/plu082.

Yeh, F. 2000. Populations genetics. *In: Forest conservation genetics: principles and practice.* Eds: Young, A., Boskier, D. Boyle, T. Melbourne: Csiro Publishing. 352.

Yeh, F.C., R.C. Yang, and T. Boyle. 1997. *POPGENE, the user-friendly shareware for population genetik analysis*. Molecular Biology and Biotechnology Centre University of Alberta. Canada. https://sites.ualberta.ca/~fyeh/popgene.html. Diakses pada tanggal 10 Agustus 2021.

Yulita, K. S. dan T. Partomihardjo. 2011. Keragaman genetika populasi Pelahlar (*Dipterocarpus littoralis* (Bl.) Kurz) di Pulau Nusakambangan berdasarkan profil enhanced Random Amplified Polymorphic DNA. *Berita Biologi LIPI*, 10(4): 541-548.

Zahid, N.Y., N.A. Abbasi, I.A. Hafiz and Z. Ahmad. 2009. Genetic Diversity Of Indigenous Fennel (*Foeniculum vulgare* Mill.) Germplasm In Pakistan Assessed By Rapd Markers. *Pak. J. Bot.*, 41(4):1759-1767.