

DAFTAR PUSTAKA

- Anggara. A. 2009. Jenis-Jenis Zingiberaceae di Cagar Alam Lembah Anai Sumatera Barat. Skripsi. Universitas Andalas.
- Asahina., Haruka., Shinozaki. H., Masuda. K., Morimitsu. Y., and Satake. M. 2010. Identification of Medicinal *Dendrobium* Species by Phylogenetic Analyses Using MatK and RbcL Sequences. *Journal of Natural Medicines*. 64 (2): 133–38.
- Boer. H., Newman. M., Poulsen.A.D., Droop. J., Fér. T., Hièn., Hlavatá. K. 2018. Convergent Morphology in Alpinieae (Zingiberaceae): Recircumscribing Amomum as a Monophyletic Genus. *Taxon*. 67(1).
- Burland. 2000. Sequence Analysis Using DNASTAR's Lasergene Software Suite. 132 (1): 71–91.
- Chen. 2008. Antioxidant and Antimicrobial Activity of Zingiberaceae Plant in Taiwan. *Plant Food Hum Nutr*. 63: 15–20.
- Chen., Shilin., Yao. H., Han. J., Liu. C., Song. J., Shi.L., Zhu. Y. 2010. Validation of the ITS2 Region as a Novel DNA Barcode for Identifying Medicinal Plant Species. *PLoS ONE*. 5 (1): 1–8.
- CodonCode. 2018. Codon Code Aligner Copyright 2002-2017 CodonCode Corporation Contains Licensed Copyrighted Material From LI-COR. In . USA: Inc.
- Dharmayanti. N.L.P. 2011. Filogenetika Molekuler: Metode Taksonomi Organisme Berdasarkan Sejarah Evolusi. Filogenetika Molekuler: Metode Taksonomi Organisme Berdasarkan Sejarah Evolusi. 1–10.
- Degtjareva. G., Logacheva. M., Samigullin. T.H., and Roman. V,C.M. 2012. Organization of Chloroplast psbA-trnH Intergenic Spacer in Dicotyledonous Angiosperms of the Family Umbelliferae. *Biochemistry*. 77(9):1056-1064.
- Dong., Wenpan., Liu. J., Yu. J., Wang. L., Zhou. S. 2012. Highly Variable Chloroplast Markers for Evaluating Plant Phylogeny at Low Taxonomic Levels and for DNA Barcoding. *PloS One*. 7(4):1–9.
- Dong. W., Liu. J., Yu. L., Wang and Zhou. S. 2015. Highly Variable Chloroplast Markers for Evaluating Plant Phylogeny at Low Taxonomic Levels and for DNA Barcoding. *PloS One*: e35071.

- Doyle. J.J. Doyle, J.L. 1987. A Rapid DNA Isolation Procedure From Small Quantities of Fresh Leaf Tissue. *Phytochemistry Bulletin* 19:11–15.
- Ekasari. T. W. D. A and Widianti. T. 2012. Analisis Keanekaragaman Kultivar Pisang Menggunakan Penanda Pcr-Rflp Pada Internal Transcribed Spacer (Its) Dna Ribosom. *Jurnal MIPA Unne*. 35(1): 113282.
- GBIF. 2021. GBIF. 2021. <https://doi.org/https://doi.org/10.48580/d4sl-38c>.
- Groot. G. Arjen., Heinjo. J, During. J., W., Maas, Schneider. H., Johannes. C. Vogel., and Roy H.J. Erkens. 2011. Use of RbcL and TrnL-F as a Two-Locus DNA Barcode for Identification of NW-European Ferns: An Ecological Perspective. *PLoS ONE*. 6(1).
- Hall and Tom. 2011. BioEdit: An Important Software for Molecular Biology. 1–4.
- Handayani. D. 2018. Variasi Perbungaan Zingiberaceae. *Jurnal Biosains*. 4(1): 45.
- Harris, J.G., & Harris, M.W. 1954. *Plant Identificatin Terminology*. USA: Spring like Publishing.
- Harris. D.J., Poulsen. A.D., Frimodt-Moller. C., Preston. J., Cronk. QCB.2000. Rapidradiation in Aframomum (Zingiberaceae): evidence from nuclear ribosomal DNA Internal Transcribed Spacer (ITS) sequences. *Edinburgh Journal of Botany*. 57(3): 377–395.
- Huda. M. 2018. Divergensi Genetik Duku *Lansium parasiticum* (Meliaceae) dan Kerabatnya Di Pulau Siberut (Mentawai) Menggunakan Penanda ITS dan Matk. Thesis. Magister Universitas Andalas.
- Holttum. 1950. *The Gardens Bulletin Singapore, The Zingiberaceae of The Malay Peninsula*. Singapore: Government of Singapore.
- IPNI. 2021. IPNI, International Plant Names Index. 2021. <https://www.ipni.org/n/1105957-2>.
- Jamil. N., M. Rizman-Idid and H. Ibrahim. 2014. Molecular Phylogenetics of Alpinia in Peninsular Malaysia. Master Thesis, University of Malaysia. <http://studentsrepo.um.edu.my/4935/>.
- Judd. 2004. Plant Systematics: A Phylogenetic Approach, 2nd Ed.—W. S. Judd,

- C. S. Campbell, E. A. Kellogg, P. F. Stevens, and M. J. Donoghue. 2002. Sinauer Associates, Sunderland, MA. 576 Pp. *Systematic Biology* 53(3): 517–18..
- Kress. W. M., Prince. L. M., and Williams. K.. J. 2002. The phylogeny and a new classification of ginger (Zingiberaceae): Evidence from molecular data. *American Journal of Botany*. 92(1): 1682-1696.
- Kress. W.J., Liu. A.Z., Newman., and Li. Q.J. 2005. The molecular phylogeny Alpinia (Zingiberaceae) : A Complex and polyphyletic genus of gingers. *American Journal of Botany*. 92(1):167-178
- Kress. W., Newman. M., Poulsen and Specht. 2007. An Analysis of Generic Circumscriptions in Tribe Alpinieae (Alpinioideae: Zingiberaceae). *The Gardens' Bulletin, Singapore*. 59:113–27.
- Larsen. 1999. *Gingers Of Peninsular Malaysia And Singapore*. Kinabalu: Natural History Publications.
- Letchuman and Sarvananda. 2018. Short Introduction of DNA Barcoding. *International Journal of Research*. 5(4):673–86.
- Li and Graur, D. 1991. Fundamental of Molecular Evolution. *Sinauer Associates*.
- Li. 2011. Identification of Herbal Medicinal Materials Using DNA Barcodes. *J Syst Evol*. 43:271–83.
- Manos., Paul S., and Kelly. P. Steele. 1997. Phylogenetic Analyses of ‘higher’ Hamamelididae Based on Plastid Sequence Data. *American Journal of Botany*. 84(10):1407–19.
- Maruf. A. 2020. Analisis Filogeni Durian Pulau Kundur Kepulauan Riau Berdasarkan Sekuen TrnL-F Intergenic Spacer. Skripsi. Universitas Negeri Semarang.
- Maulidah. R. 2018. Klarifikasi Status Taksonomi Beberapa Jenis Alpinia Roxb. (Zingiberaceae) Di Sumatera Menggunakan Penanda Internal Transcribed Spacer (ITS) dan trnH-psbA Intergenic Spacer. Thesis. Magister Universitas Andalas.
- Miquel. 2002. The Curcuma Antioxidants : Pharmacological Effects and Prospect for Future Clinical Use. *E Review*. 34–37.
- Moller. M. Cronk. 1997. Origin and Relationships of Saintpaulia (*Gesneriaceae*)

Based on Ribosomal DNA Internal Transcribed Spacer (ITS) Sequences. *Am J Bot.* 84:956–65.

Mulyatni, A., Priyatmojo. A., and Purwantara. A. 2016. Sekuen Internal Transcribed Spacer (ITS) DNA Ribosomal Oncobasidium *Theobromae* dan Jamur Sekerabat Pembanding Internal Transcribed Spacer (ITS) Sequences of Ribosomal DNA Oncobasidium *Theobromae* and Other Related Fungi as Comparison. *E-Jurnal Menara Perkebunan.* 79 (1).

Newman. M., Lhuillier. A., and Poulsen. A. D. 2004. Checklist of the Zingiberaceae of Malesia. *Blumea Supplement.* 16(1):1–166.

Ngamriabsakul. C., Newman M.F., Cronk QCB. 2004. The phylogeny of tribe Zingibereae (Zingiberaceae) based on ITS (nrDNA) and trnL-F (cpDNA) sequence. *Edinburgh Journal of Botany.* 60(3): 483–507.

Nurkholidah. 2019. Karakterisasi Morfologi dan Barkoding DNA Globba Atrosanguinea Teijsm. & Binn. (Zingiberaceae) Akses Kalimantan. *Repository.Uinjkt.Ac.Id.*

Pangestika., Yuliandini., Budiharjo. A., Pancasakti. H., and Kusumaningrum. 2015. Analisis Filogenetik *Curcuma Zedoaria* (Temu Putih) Berdasarkan Gen Internal Transcribed Spacer (ITS). *Jurnal Biologi.* 4(4):8–13.

Plant List. 2021. Plant List. 2021.
<http://www.theplantlist.org/1.1/browse/A/Zingiberaceae/>.

Plant List. 2022. Plant List.
<http://www.theplantlist.org/tpl1.1/search?q=Geocharis+>

Poulsen. A. D.. 2006. *Ginger Of Sarawak.* Edinburh: Natural History Publications. Kinabalu.

Poulsen. A.D., Mathisen. H. B., Newman. M.F., Ardiyani. M. 2018. Sulettaria: A New Ginger Genus Disjunct from Elettaria Cardamomum. *Taxon.* 67(4): 725–38.

Praptiwi. Y., Jamal. Wulansari. D., Fathoni. A., Palupi. K. D., Nurainas, and Agusta. A. 2015. Skrining Aktivitas Antioksidan Beberapa Tumbuhan Suku Zingiberaceae. *Prosiding SEMNAS Biodiversitas* 4: 188–92.

Qin. Y., Li. M., Cao. Y., Gao, Y., and Zhang, W. 2017. Molecular Thersholds of ITS2 and their Implications for Molecular Evolution and Species Identification in Seed Plants. *Scientific Reports.* 7:17316

- Radford. A.E. 1986. *Fundamental of Plant Systematics*. New York. Hardper & Row Publisher.
- Reddy. B., Uma. 2009. Molecular Phylogeny of Angiospermic Plant Families Using Rbcl Gene Sequences. *International Journal of Bioinformatics Research*. 1(2): 27–36.
- Ridley. H. 1967. *The Flora Of Malay Peninsula*. London: England: Reeve & Co.
- Santika. Y. 2011. Phylogenetic analysis of sub genus *Dieramalpinia* (*Alpinia carolinensis* Clade)-Zingiberacea Based on ITS Sequence. Thesis. Bogor Agricultural University.
- Selvaraj. D., Arma. R. K., and Sathishkumar. R. 2008. Phylogenetic Analysis of Chloroplast MatK Gene from Zingiberaceae for Plant DNA Barcoding. *Bioinformation*. 3(1):24–27.
- Shi., Chun. L., Zhang. J., Han. J. P., Song. J.Y., Yao. H., Zhu. Y.J., Li. J. C., 2011. Testing the Potential of Proposed DNA Barcodes for Species Identification of Zingiberaceae. *Journal of Systematics and Evolution*. 49 (3):261–66.
- Smith. 1981. *Zingiberaceae, Synoptic Keys To The Tribes*. 2nd ed. Edinburgh: The Royal Botanic Gaarden.
- Smith. R.M. 1990. Alpinia (Zingiberaceae). A Proposed New Infrageneric Clasification. *Edinburgh Journal Of Botany*. 47.
- Stearn. W. T. 1985. Botanical Latin. History, Grammar, Syntax, Terminology and Vocabulary. Third edition. United States Of America.
- Suparman. 2012. Markah Molekuler Dalam Identifikasi dan Analisi Kekerabatan Tumbuhan Serta Implikasinya Bagi Mata Kuliah Genetika (Telaah Keilmuan Genetika Molekuler Tumbuhan). *Jurnal Bioedukasi*. 1(1).
- Syamsuardi dan Nurainas. 2015. Buku Ajar Morfologi Tumbuhan. Suka Bina Press. Padang.
- Takano, A., and Okada.H. 2002. Multiple Occurrences of Triploid Formation in *Globba* (Zingiberaceae) from Molecular Evidence. *Plant Systematics and Evolution*. 230 (3–4): 143–59.
- Tamura, K., Stecher., Kumar. 2019. MEGAX: Moleculer Evolutionary Genetics Analysis Version 10.0.5.

- Techen., Natascha., Parveen. I., Pan, and Ikhlas A. 2014. DNA Barcoding of Medicinal Plant Material for Identification. *Current Opinion in Biotechnology* 25: 103–10.
- Thermoscientific. 2012. Technical Bulletin: Interpretation of Nucleic Acid Ratios. 2012. <http://www.thermofisher.com>.
- Thompson. J. D., Gibson. T.J., Plewniak. F., Jeanmougin. F., and Desmond G. Higgins. 1997. The CLUSTAL X Windows Interface: Flexible Strategies for Multiple Sequence Alignment Aided by Quality Analysis Tools. *Nucleic Acids Research*. 25(24):4876–82.
- Ueda., Kunihiko., Kosuge. K and Tobe. H. 1997. A Molecular Phylogeny of Celtidaceae and Ulmaceae (Urticales) Based on RbcL Nucleotide Sequences. *Journal of Plant Research*. 110(2):171–78.
- Veldkamp, J.F. 2013. Nomenclature Notes on Boesenbergia Kuntze (Zingiberaceae) Philippine. *Philippine Journal of Science*. 145:215–21.
- Vinitha, M. R., Kumar. U. S., Aishwarya, K, Sabu, M., and Thomas, G. 2014. Prospects for discriminating Zingiberaceae Species in India using DNA barcodes. *Journal of integrative plant Biology*. 56 (8): 760-773.
- White, T.J. Bruns, T., Lee. S., Taylor. J. 1990. Amplification and Direct Sequencing Of Lungal Ribosomal RNA Genes For Phylogenetic. *Biomedical and Environmental Sciences : BES* 2(3): 179–248.
- Zhang., Dequan., Duan. L., and Zhou. N. 2014. Application of DNA Barcoding in Roscoea (Zingiberaceae) and a Primary Discussion on Taxonomic Status of Roscoea Cautleoides Var. Pubescens. *Biochemical Systematics and Ecology* 52: 14–19.
- ZRC. 2021. ZRC Zingiberaceae Resource Center. https://padme.rbge.org.uk/ZRC/Data/specimens?padme_collector_names_ss=&padme_genus_s=Geocharis&padme_current_epithet_s=&padme_herbarium_s=.
- Zulaspita.W. 2021. Studi Taksnomi Geocharis (K.Schum) Ridl. di Sumatra Barat. Skripsi. Universitas Andalas.