

DAFTAR PUSTAKA

- Alvarez, I and J.F. Wendel. 2003. Ribosomal ITS Sequences and Plant Phylogenetic Inference. *Molecular Phylogenetics and Evolution* 29: 417–434.
- Arbain, D. Bakhtiar, A. Putra, D.P. & Nurainas. 2014. *Tumbuhan Obat Sumatera*. UPT Sumber Daya Hayati Sumatera Universitas Andalas. Padang.
- Antoni, F. 2006. *Studi Taksonomi Zingiberaceae di Hutan Pendidikan dan Penelitian Biologi Universitas Andalas*. Skripsi Sarjana Biologi Universitas Andalas.
- Arif W. 2018. *Uji Antibakteri Minyak atsiri Rimpang Temu Kunci (Boesenbergia pandurata) terhadap pertumbuhan bakteri Staphylococcus epidermis dan Serratia marcescens secara in-vitro*. Skripsi Fakultas Kedokteran Universitas Muhammadiyah Surakarta.
- Backer, C. A and R.C Bakhuizen van den Brink. 1968. *Flora of Java*. III. N. V.P> Noordhopp-Groningen. Netherlands
- Baldwin *et al.* 1995. The ITS Region of nuclear ribosomal DNA: a valuable sources of evidence on angiospermae phylogeny. *Ann Missouri Bot Gard* 82: 247-277.
- Burland, T.G. 2000. *DNASTAR*. Madison, WI. USA
- CodonCode. 2018. *Codon Code Alligner* Copyright 2002-2017 CodonCode Corporation contains licensed copyrighted material from LI-COR, Inc. USA.
- Doyle, J.J. & J.L. Doyle. 1987. A Rapid DNA Isolation Procedure from Small Quantities of Fresh Leaf Tissue. *Phytochemistry Bulletin* 19: 11–15.
- Fan, L.N., Ibrahim, H., Poulsen, A.D. & Yen, S. Y. 2018. *A Phylogeny of Boesenbergia*. University Malaysia Sabah. *Unpublished*.
- Guo, X., X. Wang, W. Su, G. Zhang and R. Zhou. 2011. DNA Barcodes for Discriminating the Medicinal Plant *Scutellaria baicalensis* (Lamiaceae) and its Adulterants. *Biol Pharm Bull* 34: 1198-1203.
- Hall, T.A. 1999. BioEdit: a user-friendly biological sequence alignment editor and analysis program for Windows 95/98/NT. *Nucl. Acids. Symp. Ser.* 41: 95-98.
- Hallier, H. 1898. *Bull. Herb. Boissier* 6. P: 357
- Harris, J. G., & Harris, M. W. 1954. *Plant Identification Terminology*. USA: Spring like Publishing

- Holttum, R.E. 1950. The Zingiberaceae of the Malay Peninsula. *The Gardens Bulletin Singapore*. Volume XIII. Part 1.
- IPNI. 2018. The International Plant Name Index. [http:// www. Ipni.org](http://www.Ipni.org). Diakses tanggal 05 April 2018.
- Jain, S. K. Dan Rao, R. R. 1976. *A Handbook of Field and Herbarium Methods*. New Delhi: Today and Tomorrow Printer and Publisher.
- Kress, W. J., L.M., Prince, and K.J., Williams. 2002. The phylogeny and a new classification of the gingers (Zingiberaceae): evidence from molecular data. *American Journal of Botany* 89(10): 1682-1696.
- Kress, W.J., A.Z. Liu, M. Newman, Q.J., Li, 2005. The Molecular Phylogeny of *Alpinia* (Zingiberaceae): A Complex And Polyphyletic Genus Of Gingers. *American Journal of Botany*. 92(1): 167-178.
- Larsen, K., Ibrahim, H., Khaw, S.H. & Saw, L.G. 1999. *Gingers of Peninsular Malaysia and Singapore*. Natural History Publications (Borneo) Kota Kinabalu.
- Lawrence, G.H.M. 1951. *Taxonomy of Vascular Plant*. New York.
- Li, M., H. Cao, P.P.H. But, P.C. Shaw. 2011. Identification of Herbal Medicinal Materials Using DNA Barcodes. *J Syst Evol* 49(3): 271-283.
- Mardiyah, A. 2012. Studi Morfologi dan Molekuler *Boesenbergia angustifolia* dan *Boesenbergia* sp. *Skripsi Sarjana Biologi Institut Pertanian Bogor*.
- Marliyana, S. D., Syah, Y. M., dan Mujahidin, D. 2017. Aktivitas antibakteri secara in vitro terhadap bakteri isolat klinis turunan calkon dari rimpang *Kaempferia pandurata*. *ALCHEMY Jurnal Penelitian Kimia*, 13, pp. 41- 51.
- McCullough MJ, Clemons KV, McCucker JH, Stevens DA. 1998. Intergenic transcribed spacer PCR ribotyping for differentiation of *Saccharomyces* species and interspecific hybrids. *J Clin Microbiol* 36:1035-1038
- Moller M, Cronk QCB. 1997. Origin and relationships of *Saintpaulia* (*gesneriaceae*) based on ribosomal DNA internal transcribed spacer (ITS) sequences. *Am J Bot* 84: 956-965
- Mood, J.D. 2013a. A Primer on a Genus *Boesenbergia* (Zingiberaceae). *Bulletin Heliconia Society International Vol 19 No. 2*.
- Mood, J.D., Prince, L.D. Veldkamp, J. F. Dey, Santanu. 2013b. The history of *Boesenbergia longiflora* (Zingiberaceae) and descriptions of five related new taxa. *Gardens Bulletin Singapore* 65(1): 47-95.Singapore.

Mood J.D, Veldkamp, J.F. Dey, S. & Prince, L.M. 2014. Nomenclatural changes in Zingiberaceae: *Caulokaempferia* is a superfluous name for *Monolophus* and *Jirawongsea* is reduced to *Boesenbergia*. Singapore: *Bulletin Singapore* 66(2) : 215-231. Singapore.

Mood, J.D., Tran, H.D., Veldkamp, J. F., Prince, L.M. 2016. *Boesenbergia siphonatha* (Zingiberaceae), a new record for Thailand and Vietnam with notes on the molecular phylogeny. *Gardens Bulletin Singapore* 68(1): 125-137. Singapore

Nelvita, R. 2009. Jenis-Jenis Zingiberaceae di Beberapa-a Kawasan Batu Kapur Sumatera Barat. *Skripsi Sarjana Biologi Universitas Andalas*.

Newman, M., A. Lhuillier and A.D. Poulsen. 2004. *Checklist of the Zingiberaceae of Malesia*. Blumea Supplement.

Ngamriabsakul, C. & Techaprasan, J. 2006. The phylogeny of Thai *Boesenbergia* (Zingiberaceae) based on *petA-psbJ* spacer (chloroplast DNA). *Songklanakarin J. Sci. Technol.*, 2006, 28 (1): 49-57. Thailand.

Nurainas. 2007. *Keanekaragaman Jenis Jahe-Jahean (Zingiberaceae) Liar P Kawasan Cagar Alam Rimbo Panti Pasaman Sumatera Barat*. Laporan Penelitian Dosen Muda. Direktorat Jendral Pendidikan Tinggi (Tidak Dipublikasikan).

Poulsen, A.D. 2006. *Gingers of Sarawak*. Natural History Publications (Borneo). Kota Kinabalu Singh, G.2005. *Plant Systematic: An Integrated Approach*. Science Publishers, Inc.: Plymouth.

Radford, A. E. 1986. *Fundamental of Plant Systematics*. New York: Hardper & Row Publisher.

Ridley, N. Henry. 1967. *The Flora of Malay Peninsula*. L. England: Reeve & Co. Ltd London.

Saitou, N. & Nei, M. 1987. The Neighbor-Joining Method: A New Method for Reconstructing Phylogeny Trees. *Mol. Biol. Evol.* 4(4): 406-425. University of Chicago.

Saitou, N. & Imanishi. 1989. Relative Effeciencies of the Fitch-Margoliash, Maximum-Parsimony, Maximum-Likelihood, Minimum Evolution and Neighbor-Joining Methods of Phylogenetic Tree Construction in Obtaining the Correct Tree. *Mol. Biol. Evol.* 6(5): 514-525. University of Chicago.

Shu, A.C. 2000. BOESENBERGIA Kuntze, Revis. Gen. Pl. 2: 685. 1891. *Flora of China* 24: 367–368.



- Škorničková, J. L., Newman, M. 2015. *Gingers of Cambodia, Laos & Vietnam*. Singapore: Singapore Botanic Gardens, National Parks Board.
- Smith, R. M. 1990. *Alpinia* (Zingiberaceae): A Proposed New Infrageneric Classification. *Edinburgh Journal of Botany* 47(1).
- Smith, R.M. 1981. *Zingiberaceae*. Synoptic Key to the Tribes. Edinburgh: Royal Botanical Garden den Edinburgh.
- Soltis DE, Soltis PS. 1998. Choosing an Approach and an Appropriate Gene for Phylogenetic Analysis.
- Suleka, R. 2018. *Studi Etnobotani Famili Zingiberaceae yang Digunakan oleh Etnis Mentawai di Pulau Siberut, Sumatera Barat*. Skripsi Sarjana Biologi Universitas Andalas.
- Suparman. 2011. Analisis filogenetik Genus Mangifera Menggunakan Gen *rbcL* DNA Kloroplas. (Tesis S2 tidak diterbitkan). Bandung : SITH-ITB.
- Tamura, K., G. Stecher, and S. Kumar. 2019. MEGAX: Molecular Evolutionary Genetics Analysis version 10.0.5
- Thermo Scientific. 2012. Technical Bulletin: Interpretation of Nucleic Acid 260/280 Ratios. <http://www.thermofisher.com>. Diakses tanggal 10 Februari 2018.
- Thompson, J.D., Gibson, T.J., Plewniak, F., Jeanmougin, F. and Higgins, D.G. 1997. The ClustalX windows interface: flexible strategies for multiple sequence alignment aided by quality analysis tools. *Nucleic Acids Research*, 25: 4876-4882.
- Valeton. 1918. Bull. Jard. Bot. Buitenzorg, ser. 2, 27 P: 103
- Vanijajiva, O. Siriruga, P & Suvachittanont, W. 2005. Confirmation of relationships among *Boesenbergia* (Zingiberaceae) and related genera by RAPD. *Biochemical Systematics and Ecology* 33, 159-170. Elsevier. Thailand.
- Veldkamp, J.F. 2013. Nomenclature Notes on *Boesenbergia* Kuntze (Zingiberaceae). Philippine: *Philippine Journal of Science* 145: 215-221.
- Vogel, E.F.D. 1987. Manual of Herbarium Taxonomy Theory and Practice. Leiden, the Netherlands: Rijksherbarium.
- ZRC. 2019. *Zingiberaceae Resource Centre*. <https://padme.rbge.org.uk/ZRC/data/specimens>. Diakses pada 18 Juni 2019.