

DAFTAR PUSTAKA

- Amiteye, S. 2021. Basic concepts and methodologies of DNA marker systems in plant molecular breeding. *Heliyon* 7.
- Ashton, P.S. 1989. *Sundaland. Floristic inventory of tropical countries ed. by D.G. Campbell and H.D. Hammond*. New York Botanical Garden Press, New York, pp. 91-99.
- Atria M, Van Mil H, Baker WJ, Dransfield J, Van Welzen PC. 2017. Morphometric analysis of the rattan *Calamus javensis* complex (Arecaceae: Calamoideae). *Systematic Botany* 42 (3): 494-506
- Atria, M., Eurlings, M., Baker W.J., Dransfield, J., Van Welzen, P.C. 2020. Phylogenetic analysis of the *Calamus javensis* complex (Arecaceae: Calamoideae) in Malesia. *Blumea* 65 (3): 205–211.
- Ayres DL, Cummings MP, Baele G, Darling AE, Lewis PO, Swofford DL, Huelsenbeck JP, Lemey P, Rambaut A, Suchard MA. 2019. BEAGLE 3: Improved Performance, Scaling, and Usability for a High-Performance Computing Library for Statistical Phylogenetics. *Syst Biol.* 68(6):1052-1061.
- Baker, W.J & Couvreur, T.L.P. 2012. *Biogeography and distribution patterns of Southeast Asian palms. In book: Biotic evolution and environmental change in Southeast Asia*. Cambridge University Press, Cambridge.
- Baker, W.J & Dransfield, J. 2008. *Calospatha* subsumed in *Calamus* (Arecaceae: Calamoideae). *Kew Bulletin*. 63: 161–162.
- Baker, W.J. 2015. A revised delimitation of the rattan genus *Calamus* (Arecaceae). *Phytaxa*. 197 (2): 139-152.
- Baker, W.J., Barford, A.S., Cámara-Leret, R., Dowe, J.L., Heatubun, C.D., Petoe, P., Turner, J.H., Zona, S. & Dransfield, J. 2024. Palms of New Guinea. Kew Publishing Royal Botanic Garden, Kew
- Baker, W.J., Dransfield, J. & Hedderson, T.A. 2000a. Phylogeny, character evolution, and a new classification of the calamoid palms. *Systematic Botany*. 25: 297–322.
- Baker, W.J., Dransfield, J. 2016. Beyond *Genera Palmarum*: progress and prospects in palm systematics. *Botanical Journal of the Linnean Society*. 182: 207-233.
- Baker, W.J., Dransfield, J., Harley, M.M. & Bruneau, A. 1999. *Morphology and Cladistic Analysis of Subfamily Calamoideae (Palmae)*. In: Henderson, A. & Borchsenius, F. (Eds.) *Evolution and Classification of Palms. Memoirs of the New York Botanical Garden*. The New York Botanical Garden Press, New York. pp. 307–324.

- Baker, W.J., Hedderson, T.A. & Dransfield, J. 2000b. Molecular phylogenetics of *Calamus* (Palmae) and related rattan genera based on 5S nrDNA spacer sequence data. *Molecular Phylogenetics and Evolution*. 14: 218–231.
- Baker, W.J., Hedderson, T.A. & Dransfield, J. 2000c. Molecular phylogenetics of subfamily Calamoideae (Palmae) based on nrDNA ITS and cpDNA rps16 intron sequence data. *Molecular Phylogenetics and Evolution*. 14: 195-217.
- Baker, W.J., Savolainen, V., Asmussen-Lange, C.B., Chase, M.W., Dransfield, J., Forest, F., Harley, M.M., Uhl, N.W. & Wilkinson, M. 2009. Complete generic-level phylogenetic analyses of palms (Arecaceae) with comparisons of supertree and supermatrix approaches. *Systematic Biology*. 58: 240–256.
- Beccari, O. (1908) Asiatic palms–Lepidocaryeae. Part I. The species of *Calamus*. *Annals of the Royal Botanic Garden Calcutta* 11: 1–518.
- Benavides F., Guenet J.L. 2012. *Mouse Genomics*. In: *The Laboratory Mouse, 2nd ed. Hedrich H (Ed.)*. Elsevier Academic Press, Amsterdam.
- Beentje, H. 2010. *The Kew Plant Glossary, An Illustrated Dictionary of Plant Terms*. Royal Botanic Garden, Kew.
- Bhattacharyya, B. 2015. *Botani Sistematis Edisi 2 Terjemahan*. Penerbit Buku Kedokteran EGC, Jakarta.
- Choudhuri S. 2014. *Fundamentals of Molecular Evolution*. In: *Bioinformatics for Beginners*. Elsevier, Amsterdam.
- Cracraft, J., 1983. Species concepts and speciation analysis. *Curr. Ornithol.* 1, 159–187
- Cronquist, A. 1988. *The evolution and classification of flowering plants*, ed. 2. New York.
- Cruz RAL. 2017. Here Be Dragons: Using Dragons as Models for Phylogenetic Analysis. *The American Biology Teacher*. 79 (7): 544–551.
- Davis, P. H. & Heywood, V. H. 1963. *Principles of Angiosperm Taxonomy*. Van Nostrand, Princeton.
- Doyen, J. T. & C. N. Slobodchikoff. 1974. An operational approach to species classification. *Syst. Zool.* 23:239–247.
- Doyle, J. & Doyle, J. 1987: A rapid DNA isolation procedure for small quantities of fresh leaf material. *Phytochemical Bulletin* 19: 11–15.
- Dransfield, J. 1979. *A manual of the rattans of the Malay peninsula*. Forest Department, West Malaysia.

- Dransfield, J., Barfod, A. S., Pongsattayapipat, R. 2004. A preliminary checklist to Thai Palms. *Thai Forest Bulletin (Botany)* 32: 32–72.
- Dransfield, J., Uhl, N. W. Asmussen, C. B., Baker, W. J., Harley, M. M. 2008. *Genera Palmarum - The Evolution and Classification of the Palms*. Kew Publishing Royal Botanic Garden, Kew.
- Fernando, E. S. 2014. Three new species in *Calamus* sect. *Podocephalus* (Arecaceae: Calamoideae) from the Philippines, Indonesia, and Papua New Guinea. *Phytotaxa* 166 (1): 069–076.
- Francisconi AF, Cauz-Santos LA, Morales Marroqui'n JA, van den Berg C, Alves-Pereira A, Delmondes de Alencar L, et al (2022) Complete chloroplast genomes and phylogeny in three *Euterpe* palms (*E. edulis*, *E. oleracea* and *E. precatoria*) from different Brazilian biomes. *PLoS ONE* 17(7): e0266304.
- Frankham R, Ballou JD, Dudash MR, Eldridge MDB, Fenster CB, Lacy RC, Mendelson JR, Porton IJ, Ralls K, Ryder OA. 2012. Implications of different species concepts for conserving biodiversity. *Biological Conservation* 153: 25-31.
- Furtado, C. (1956) The genus *Calamus* in the Malayan Peninsula. *The Gardens' Bulletin Singapore* 15: 33–262.
- Hansen, L.E. S. F., Baker, W. J., Tietje, M., Eiserhardt, W. L. 2021. Testing tropical biogeographical regions using the palm family as a model clade. *Journal of Biogeography*. 1-10.
- Hausdorf, B., 2011. Progress toward a general species concept. *Evolution* 65, 923–931
- Hebert, P. D. N., Cywinska, A., Ball, S. L. & de Waard, J. R. 2003. Biological identifications through DNA barcodes. *Proceedings of the Royal Society B* 270: 313–321.
- Henderson A, 2020. A revision of *Calamus* (Arecaceae, Calamoideae, Calameae, Calaminae). *Phytotaxa* 445: 1- 656.
- Hollingsworth, P. M., Graham, S. W. & Little, D. P. 2011: Choosing and using a plant DNA barcode. *PLoS ONE* 6(5), e19254.
- <https://blast.ncbi.nlm.nih.gov/Blast.cgi>
- Indi Dharayanti, N. L. P. 2011. Fiogenetika Molekuler: Metode Taksonomi Organisme Berdasarkan Sejarah Evolusi. *WARTAZOA* 21(1).
- Jeanson M.L., Labat J..N, Little D.P. 2011. DNA barcoding: a new tool for palm taxonomists?. *Annals of Botany* 108: 1445–1451.

- Kalima, T. 2015. Keanekaragaman jenis rotan di Jawa Barat dan prospek pengembangan. *Proceeding Seminar Nasional Masyarakat Biodiversitas Indonesia*. 1(8): 1802-1809.
- Kasrina. 2000. *Calamus* section *Rhombocalamus* Furtado in Malesia. [Thesis]. Bogor Agricultural Institute, Bogor. [English]
- Knapp S. 2001. Is morphology dead in the Solanum taxonomy? In: van den Berg RG, Barendse GWM, van der Weerden GM, Mariani C (eds.) *Solanaceae V: Advances in Taxonomy and Utilization*. University Press, Nijmegen
- Kordrostami, M., Rahimi, M. 2015. *Molecular markers in plants: Concepts and applications. Genetics in the Third Millennium*. 13. 4024-4031.
- Kress, W. J., Prince, L. M. & Williams, K.J. (2002). The phylogeny and a new classification of the gingers (Zingiberaceae): evidence from molecular and morphological data. *Amer. J. Bot.* 89: 1682 - 1696.
- Kumar, S., Stecher, G., Li, M., Knyaz., Tamura, K. 2018. MEGA-X: Molecular Evolutionary Genetics Analysis across Computing Platforms. *Molecular Biology and Evolution*. 35(6): 1547-1549.
- Kurian, A., Dev, S. A., Sreekumar, V.B., Muralidharan, E.M. 2020. The low copy nuclear region, RPB2 as a novel DNA barcode region for species identification in the rattan genus *Calamus* (Arecaceae). *Physiology and Molecular Biology of Plants*. 26(9):1875–1887.
- Kuhnhäuser, B. G., Bellot, S., Couvreur, T. L. P., Dransfield, J., Henderson, A., Schley, R., Chomicki, G., Eiserhardt, W. L., Hiscock, S. J., & Baker, W. J. (2021). A robust phylogenomic framework for the calamoid palms. *Molecular Phylogenetics and Evolution*, 157, 107067. <https://doi.org/10.1016/j.ympev.2020.107067>.
- Le D-T, Zhang Y-Q, Xu Y, Guo L-X, Ruan Z-P, Burgess KS, Ge X-J. 2020. The utility of DNA barcodes to confirm the identification of palm collections in botanical gardens. *PLoS ONE* 15(7): e0235569.
- Leenhouts, P. W. 1968. A guide to the practice of herbarium taxonomy. *Regnum Veg* 58.
- Liddell, H.G., Scott, R. 1940. *A Greek-English Lexicon* . Clarendon Press: Oxford.
- Linnaeus C. 1753. *Species plantarum : exhibentes plantas rite cognitatas ad genera relatas, cum differentiis specificis, nominibus trivialibus, synonymis selectis, locis natalibus, secundum systema sexuale digestas*. 683-686. Impensis Laurentii Salvii, Stockholm.
- MacKinnon, J. 1997. *Protected area systems review of the Indo-Malayan realm*. ABC or WCMC, Hongkong or Canterbury.

- Marhold, K. & Stuessy, T. (eds.) in collaboration with Agababian, M., Agosti, D., Alford, M.H., Crespo, A., Crisci, J.V., Dorr, L.J., Ferencová, Z., Frodin, D., Geltman, D.V., Kilian, N., Linder, H.P., Lohmann, L.G., Oberprieler, C., Penev, L., Smith, G.F., Thomas, W., Tulig, M., Turland, N. & Zhang, X.C. 2013. The Future of Botanical Monography: Report from an international workshop, 12–16 March 2012, Smolenice, Slovak Republic. *Taxon*. 62: 4-20
- Marwal, A., Sahu, A. K., Gaur, R.K. 2014. *Animal Biotechnology: Chapter 16 - Molecular Markers: Tool for Genetic Analysis*. Academic Press, Cambridge.
- Mayr, E. 1969. The biological meaning of species. *Bot. J. Linn. Soc.*1: 311-320.
- Mayr, E. 1942. *Systematic and the Origin Species*. New York.
- Mayr, E. 1992. A local flora and the biological species concept. *Amer. J. Bot.* 79: 222
- Maxted, N. 1992. Towards defining a taxonomic revision methodology. *Taxon*. 41 (4): 653-660.
- Minh BQ, Dang CC, Vinh LS, Lanfear R. 2021. QMaker: Fast and Accurate Method to Estimate Empirical Models of Protein Evolution. *Syst Biol.* 70(5):1046-1060. doi: 10.1093/sysbio/syab010
- Mishra P, Kumar A, Nagireddy A, Mani DN, Shukla AK, Tiwari R, Sundaresan V. 2015. DNA barcoding: an efficient tool to overcome authentication challenges in the herbal market. *Plant Biotechnology Journal* 14: 8-21
- Mitchell, C. 1993. MultAlin—multiple sequence alignmen. *Cabios Software Review* 9 (5): 614-615.
- Mogea, J. P. 2004. Palembang Di Taman Nasional Gunung Halimun. *Berita Biologi*, 7 (1-2): 95-105.
- Mondini, L., Noorani, A., Pagnotta M. A. 2009. Assessing plant genetic diversity by molecular tools. *Diversity* 1 (1):19–35.
- Manoko MLK. 2018. The Power of Coefficients and Methods of Coding in Delimiting Species Using Phenetic Approach: The Case of African Solanum Section Solanum Ssensu Edmonds. *Tanzania Journal of Science* 44(1): 37-51.
- Monteiro, F. A., Weirauch, C., Felix, M., Lazoski, C., & Abad-Franch, F. 2018. Evolution, Systematics, and Biogeography of the Triatominae, Vectors of Chagas Disease. *Advances in Parasitology*, 265–344. doi:10.1016/bs.apar.2017.12.002
- Muharisa, C., Yanuar, F., & Yozza, H. 2019. Perbandingan Metode Maximum Likelihood dan Metode Bayes dalam Mengestiimasi Parameter Model

Regresi Linier Berganda untuk Data Berdistribusi Normal. *Jurnal Matematika UNAND* 4(2): 100-107.

- Nadeem, M. A., Nawaz, M. A., Shahid, M. Q., Doğan, Y., Comertpay, G., Yıldız, M., Hatipoğlu, R., Ahmad, F., Alsaleh, A., Labhane, N., Özkan, H., Chung, G & Baloch, F. S. 2017. DNA molecular markers in plant breeding: current status and recent advancements in genomic selection and genome editing, *Biotechnology & Biotechnological Equipment*, DOI: 10.1080/13102818.2017.1400401
- Navarro-Escalante, L., Benavides, P., Acevedo, FE. 2024. Diversity of bacterial symbionts associated with the tropical plant bug *Monalonion velezangeli* (Hemiptera: Miridae) revealed by high-throughput 16S-rRNA sequencing. *Peer Community Journal*, Volume 4
- Nixon, K.C. 2001. *Phylogeny. Encyclopedia of Biodiversity*. Elsevier, Amsterdam.
- Raes, N., Van Welzen, P. C. 2009. The demarcation and internal division of Flora Malesiana: 1857 – present. *Blumea* 54: 6-8.
- Reece, J.D., E. Haribabu. 2007. Genes to feed the world: The weakest link. *Food Policy*, 32 (4): 459–479.
- Retnowati, A., Rugayah, Rahajoe, J.S. 2019. *Status Keanekaragaman Hayati Indonesia: Kekayaan Jenis Tumbuhan dan Jamur Indonesia*. LIPI Press, Jakarta.
- Rifai, M.A. 2011. *Asas-asas Sistematika Biologi*. Herbarium Bogoriense, Bogor.
- Roos, M.C., Hovenkamp, P. 2009. Flora Malesiana in the coming decade. *Blumea*. 54: 3–5.
- Roos, M.C., Keßler, P. J. A., Gradstein, S. R., Bass, P. 2004. Species diversity and endemism of five major Malesian Islands: diversity-area relationships. *Journal of Biogeography*. 31 (12): 1893-1908.
- Rustiami, H. 2009. Konsep jenis palem: sebuah pengantar. *Berita Biologi*. 9 (5): 120-124.
- Rustiami, H., Moge, J. P., Tjitrosoedirdjo S.S. 2011. Revision of the rattan genus *Daemonorops* (Palmae: Calamoideae) in Sulawesi using a phenetic analysis approach. *Gardens' Bulletin Singapore* 63(1 & 2): 17–30.
- Sang, T., Crawford, D. J. & Stuessy, T. F. 1997: Chloroplast DNA phylogeny, reticulate evolution and biogeography of *Paeonia* (Paeoniaceae). *American Journal of Botany* 84: 1120–1136.
- Semagn, K., Bjørnstad, A., Ndjioudjop, M.N. 2006. An overview of molecular marker methods for plants. *African Journal of Biotechnology*. 2540: 25–68.

- Singh, G. 2010. *Plant Systematics an Integrated Approach*. New Hampshire: Science Publisher.
- Stace, C.A. 1989. *Plant Taxonomy and Biosystematic. Second Edition*. Edward Arnold. London.
- Steven, P.F. 1991. Character States, Morphological Variation, and Phylogenetic Analysis. . *Systematic Botany* 16: 553-583.
- Stuessy, T. F. 1975. The importance of revisionary studies in plant systematics. *SIDA, Contributions to Botany* 6 (2): 104-113.
- Stuessy, T. F. 2009. *Plant Taxonomy: The Systematic Evaluation of Comparative Data, Second Edition*. New York: Columbia Univ. Press.
- Sultan SE. 2000. Phenotypic plasticity for plant development, function and life history. *Trends Plant Sci.* 5(12): 537-42. doi: 10.1016/s1360-1385(00)01797-0.
- Tate, J. A., Simpson, B. B. 2003. Paraphyly of *Tarasa* (Malvaceae) and diverse origins of the polyploid species. *Systematic Botany* 28: 723–737.
- Tjitrosoepomo 2018. *Morfologi Tumbuhan*. Yogyakarta: Gadjah Mada University Press.
- Tjitrosoepomo, Gembong. 2010. *Taksonomi Umum (Dasar-Dasar Taksonomi Tumbuhan)*. Yogyakarta: Gadjah Mada University Press.
- Tucker GC. 1983. The Taxonomy of Cyperus (Cyperaceae) in Costa Rica and Panama. *Systematic Botany Monographs*, Vol. 2, pp. 1-85.
- Uhl, N., Dransfield. J. 1987. *Genera Palmarum: A Classification of Palm Based on the work of Harold E. Moore, Jr.* The L.H. Bailey Hortorium and the International Palm Society, USA.
- Van Steenis, C. G. G. J. 2006. *Flora Pegunungan Jawa*. LIPI Press, Jakarta.
- Van Welzen P.C, Slik, J.W.F, Alahuhta, J. 2005. Plant distribution patterns and plate tectonics in Malesia. *Biologiske Skrifter.* 55: 199–217.
- Van Welzen, P.C., Raes, N. 2011. The floristic position of Java. *Gardens' Bulletin Singapore.* 63 (1 & 2): 329–339.
- Vane-Wright, R.I. 2013. *Methods of Taxonomy. Encyclopedia of Biodiversity (Second Edition)*. Academic Press, Amsterdam.
- Whittemore AT. 1993. Species Concepts: A Reply to Ernst Mayr. *Taxon*, Vol. 42, No. 3 pp. 573-583
- Widjaja, E. A., Rahayuningsih, Y., Rahajoe, J.S., Ubaidillah, R., Maryanto, I., Walujo, E.B., Semiadi, G. 2014. *Kekinian Keanekaragaman Hayati Indonesia*. LIPI Press, Jakarta.

- Wiley, E.O., 1978. The evolutionary species concept reconsidered. *Syst. Biol.* 27, 17–26.
- Yang, H. Q., Dong, Y. R., Gu, Z. J., Liang, N. & Yang, J. B. 2012. A preliminary assessment of *mat K*, *rbc L* and *trnH-psbA* as DNA barcodes for *Calamus* (Arecaceae) species in China with a note on ITS. *Annales Botanici Fennici* 49: 319–330.
- Yang Z, Rannala B. 2012. Molecular phylogenetics: principles and practice. *Nat Rev Genet.*13(5):303-14. doi: 10.1038/nrg3186.