

DAFTAR PUSTAKA

- Agustin, L., Nurainas, N., Syamsuardi, S and Chairul, C. 2021. *Zingiber Macradenium* K. Schum, an Endemic Ginger From Sumatera: Traditional Use and Antimicrobe Potential. *Eduvest*, 1(10), 381125.
- Anderson, R. P and Martínez, M. E. 2004. Modeling species' geographic distributions for preliminary conservation assessments: An implementation with the spiny pocket mice (*Heteromys*) of Ecuador. *Biological Conservation*, 116, 167–179.
- Anwar, J., Damanik, S., Hisyam, N., Hitten, A. 1984. *Ekologi Ekosistem Sumatra*. Bandung : Gajah Mada University Press.
- APG IV (Angiosperm Phylogeny Group). 2016. An update of the Angiosperm Phylogeny Group classification for the orders and families of flowering plants: APG IV. *Botanical Journal of the Linnean Society*, 181(1), 1–20.
- Ardiyani, M. 2016. A new species of *Zingiber* (Zingiberaceae) from Enggano Island, Indonesia. *Reinwardtia*, 14, 307–310.
- Asase, A and Swinger, G. O. 2018. Assessment of biodiversity data holdings and user data needs for Ghana. *Biodiversity Informatics*, 13.
- Boer, H. D., Newman, M., Poulsen, A. D., Droop, A. J., Fé, T., Thu Hièn, L. T., ... and Leong-Škorničková, J. 2018. Convergent morphology in Alpinieae (Zingiberaceae): Recircumscribing *Amomum* as a monophyletic genus. *Taxon*, 67(1), 6-36.
- Chapman, A. D. 2005. *Principles and methods of data cleaning: Primary species and species occurrence data*, version 1.0. Global Biodiversity Information Facility, Copenhagen.
- Chapman, A.D., Belbin, L., Zermoglio, P.F. 2020. Developing standards for improved data quality and for selecting fit for use biodiversity data. *Biodiversity Information Science and Standards*, 4, e50889.
- Chavan, V. and Ingwersen, P. 2009. Towards a data publishing framework for primary biodiversity data: challenges and potentials for the biodiversity informatics community. *BMC Bioinformatics*, 10(14).
- Chesmore, D. 2004. Automated bioacoustic identification of species. *Anais da Academia Brasileira de Ciência*, 76, 436–440. Content Assesment of The Primary Biodiversity Data Published Through GBIF Network: Status, Challenges and Potentials. *Biodiversity Informatics*, 8, 94-172.

- Corney, D. P., Clark, J. Y., Tang, H. L., Wilkin, P. 2012. Automatic extraction of leaf characters from herbarium specimens. *Taxon*, 61, 231–244.
- Costello, M. J., Michener, W. K., Gahegan, M., Zhang, Z. Q., Bourne, P. 2013. Biodiversity data should be published, cited and peer-reviewed. *Tren Ekol, Evol.* 28, 454–461
- Vogel, E. F. 1987. *Manual of Herbarium Taxonomy Theory and Practice*. Jakarta: Unesco.
- Devi, S and Murthy, T. 2005. *The need for digitization*. In C. R. Singh (Ed.), *Digital Information Resources & Networks on India*. New Delhi: UBS Publisher's Distributors. Pvt. Ltd.
- Droop, A. J and F. M. Newman. 2004. A Revision of Amomum (Zingiberaceae) in Sumatra. *Edinburgh Journal Of Botany*, 71(2), 193-258.
- Dungey, G. 2022. Most biodiversity hotspots lack formal protection in Borneo and Sumatra. Mongabay. <https://news.mongabay.com/2022/04/study-most-biodiversity-hotspots-lack-formal-protection-in-borneo-and-sumatra/>. Accessed on 16 juni 2023.
- Gaiji, S., Chavan, V., Arino, A. H., Otegui, J., Hoborn, D., Sood, R., Robles, E. 2013. Content Assesment of The Primary Biodiversity Data Published Through GBIF Network : Status, Challenges and Potentials. *Biodiversity Informatics*, 8: pp 94- 172.
- Gaikwad, J and Chavan, V. 2006. Open access and biodiversity conservation: Challenges and Potentials for the developing world. *Data Science Journal*, 5, 1-17.
- Gaikwad, J. A. 2011. Digitisation and analysis of customary medicinal plant knowledge using biodiversity informatics. *Tesis*. New South Wales (AU): University Sydney.
- GBIF. Global Biodiversity Information Facility. 2022. *GBIF-ICLEI Best Practice Guide for Biodiversity Data Publishing by Local Governments*, (contributed by Cadman, M.J.; Chavan, V.; Patrickson,.; Galt, R.; Mader, A.; Sood, R.; Hirsch, T.) Copenhagen: Global Biodiversity Information Facility, Pp. 62, ISBN: 87-92020-37-2.
- GBIF. Global Biodiversity Information Facility. 2022. *What is Darwin Core, and why does it matter?*. <https://www.gbif.org/darwin-core>.
- Goodchild, M. F., Rhind, D. W., Maguire, D. J. 1991. Geographical Information Systems. *Longman Scientific and Technical*, 1, 3-7.

- Govaerts, R. 2004. World Checklist of Monocotyledons Database in ACCESS: 1-54382. The Board of Trustees of the Royal Botanic Gardens, Kew. https://wcsp.science.kew.org/acceptedRef.do?name_id=273224
- Graham, C. H., Ferrier, S., Huettman, F., Moritz, C. & Peterson, A.T. 2004. New developments in museum-based informatics and applications in biodiversity analysis. *Trends in Ecology and Evolution*, 19, 497–503.
- Gropp, R. E. 2012. Increasing access to biological collections. *Bioscience*, 62, 703.
- Guralnick, R. P., Hill, A.W and Lane. M. 2007. Towards A Collaborative, Global Infrastructure for Biodiversity Assessment. *Ecology Letters*, 10: 663-672
- Holtum, R. E. 1950. The Zingiberaceae of Malay Peninsula. *The Garden Buletin Singapore*. Singapore.
- Hutasuhut, M. A. 2018. Inventarisasi Jenis-Jenis Zingiberaceae di Hutan Telagah Taman Nasional Gunung Leuser Kabupaten Langkat Sumatra Utara. *Jurnal Ilmu Biologi Dan Terapan*, 2(1), 14–20.
- Kress, W. J., Prince, L. M. and Williams, K. J. 2002. The phylogeny and a new classification of the gingers (Zingiberaceae): evidence from molecular data. *Am. J. Bot*, 89, 1682–1696.
- Kumar, P. K. 2015. Studies on systematics, conservation, improvement and development of agro-techniques on three potential ornamental gingers (Zingiberaceae) in India. –Ph.D. Thesis, Bharathiar University India.
- Kuniyasu, M. 2002. *Environtments and people of Sumatran Peat Swamp Forest 2: Distribution of Villages and Interactions between People and Forest*. Southeast Asian Studies, Vol. 40, No.1, June 2002.
- Larsen, 1999. Ginger of Peninsular Malaysia and Singapore. Kota Kinabalu: *Natural History Publications (Borneo)*. Hlm. 1-8.
- Larsen K., Larsen S. S. 2006. Gingers of Thailand. Queen Sirikit Botanic Garden, Chiang Mai, Thailand.
- Larsen, K. H. Ibrahim., Khaw S. H and Saw L. G. 1999. Gingers of Peninsular Malaysia and Singapore. *Natural history publication (Borneo)*. Kinabalu. Sabah. Malaysia.
- Laumonier, Y. 1997. The Vegetation and Physiography of Sumatra. Editor MJA Werger. Kluwer Academic Publisher. Netherland.
- Löffler, F., Wesp. V., König-Ries, B., Klan, F. 2021. Dataset search in biodiversity research: Do metadata in data repositories reflect scholarly information needs. *Plos one*, 16(3).

- MacKinnon, K., Hatta, G., Halim, H., Mangalik, A. 1996. *Ekologi Kalimantan, Seri Ekologi Indonesia Buku III* (Jakarta: Prenhallindo) p 806.
- Malik, A. A., Anggreany, R., Sari, M. W and Walid, A. 2020. Keanekaragaman hayati flora dan fauna di kawasan taman nasional bukit barisan selatan (TNBBS) resort merpas bintuhan kabupaten kaur. *Diksains: Jurnal Ilmiah Pendidikan Sains*, 1(1), 35-42.
- Maulidah., Fitri, S. E., Nurainas, Syamsuardi, Arbain, D. 2019. Two new records of *Alpinia Roxb.* (Zingiberaceae) in Sumatra, Indonesia and phylogenetic relationship to their allied species. *Check List*, 15 (1), 109–1.17.
- Miquel, F. A. W. 1862. *Sumatra Zijne Plantenwereld Hare Vootberengselen*. Vol. III. Amsterdam.
- Muharini, M. 2020. Inventarisasi Zingiberaceae Di Kawasan Hutan Batang Toru Blok Barat Kabupaten Tapanuli Utara Provinsi Sumatera Utara. *Skripsi*. Medan : Universitas Sumatra Utara.
- Nelson, G and Paul, D. L. 2019. *DiSSCo, iDigBio and the future of global collaboration*. Biodiversity Information Science and Standards.
- Newman M, Lhuillier. A and Poulsen A.D. 2004 Checklist of The Zingiberaceae of Malesia. *Blumea Supplement*.
- NISO. 2004. Understanding Metadata. Bethesda, MD: NISO Press, <http://www.niso.org/publications/press/UnderstandingMetadata.pdf>
- Nurainas, N and Arbain, D. 2017. A new species and a new record of Zingiberaceae from Sumatra, Indonesia. *Taiwania*, 62(3), 294-298.
- Nurainas,. Yunaidi. 2006. Panduan *Lapangan Jahe-Jahean Liar Di Taman Nasional Siberut*. Padang: Garisatra. hlm. 2-4.
- Nurainas. 2007. *Keanekaragaman Jenis Jahe-Jahean (Zingiberaceae) Liar Pada Kawasan Cagar Alam Rimbo Panti Pasaman Sumatra Barat*. Laporan Penelitian Dosen Muda. Direktorat Jenderal Pendidikan Tinggi.
- Nurainas. 2013. A Taxonomic Revision and Phylogenetic Analysis of *Hornstedtia* Retz. (Zingiberaceae) in Sumatra. (Disertasi). Pasca Sarjana Universitas Andalas. Sumatra Barat.
- Pandey, B. P. 2003. *Angiosperms: Taxonomy, Anatomy, Embryology*. Ram Nagar, S. Chand and Company, 5-15.
- Pedersen, L. B. 2004. Phylogenetic analysis of the subfamily Alpinioideae (Zingiberaceae) with special emphasis on *Etlingera* Giseke, based on nuclear and plastid DNA. *Plant Syst Evol*, 245, 239–258.

- Peterson, A. T. 2006c. Uses and requirements of ecological niche models and related distributional models. *Biodiversity Informatics*, 3:59–72.
- Peterson, A. T., Soberón, J., Pearson, R. G., Anderson, R. P., Martínez-Meyer, E., Nakamura, M and Araújo, M. B. 2011. *Ecological niches and geographic distributions*. Princeton University Press.
- Poulsen, A. D. 2006. *Etlingera of Borneo*. Kota Kinabalu: *Natural History Publications (Borneo)*, 1-263.
- Pyke, G. H and Ehrlich, P. R. 2010. Biological collections and ecological/environmental research: a review, some observations and a look to the future. *Biological Reviews*, 85, 247 – 266.
- Rahmi, N. 2022. Aktualisasi Informasi Spesimen Herbarium ANDA tentang Keanekaragaman Zingiberaceae di Sumatra Barat. *Skripsi*. Jurusan Biologi. Fakultas Matematika dan Ilmu Pengetahuan Alam. Universitas Andalas.
- Randi, A. 2013. Identifikasi Jenis-jenis Pohon Penyusun Vegetasi Gambut Taman Nasional Danau Sentarum Kabupaten Kapuas Hulu. *Skripsi*. Fakultas Kehutanan, Universitas Tanjungpura. Pontianak
- Sagala, L. R. 2021. Penentuan Barcode DNA berdasarkan Lokus Gen rbcl pada *Zingiber loerzingii* Valeton . *Skripsi*. Biologi. Fakultas Sains dan Teknologi. Universitas Islam Negeri Sumatra Utara. Medan, 2021.
- Salle, J.L., Williams, K. J., and Moritz, C. 2016. Biodiversity Analysis in The Digital Era. *Phil. Trans. R. Soc. B* 371, 20150337.
- Saw, L. G. 2019. *Etlingera hemisphaerica*, Black Tulip. The IUCN Red List of Threatened Species. <https://doi.org/http://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T117319869A124282147.en>.
- Siagan, S. 2010. Inventarisasi Zingiberaceae di Kawasan Agrowisata Hutan Taman Eden 100 Kabupaten Toba Samosir Sumatra Utara. *Skripsi*, Medan : Universitas Sumatra Utara.
- Simpson, M. G. 2006. *Plant Systematics*, Elsevier Academic Press, USA, hal 198.
- Srirugsa. 1999. *Thai Zingiberaceae : Jenis Diversity and their Uses*. <http://www.iupac.org/symposia/proceedings/phuket97/srirugsa.html>.23 Agusus 2021.
- Smith, R. M. 1999. Four new species of Zingiberaceae from Borneo. *Edinburgh Journal of Botany*, 47, 367-373.
- Soberón, J. M. 2010. Niche and area of distribution modeling: a population ecology perspective. *Ecography* 33, 159–167.

- Soberón, J and Peterson A. T. 2004. Biodiversity informatics: Managing and applying primary biodiversity data. *Philosophical Transactions of the Royal Society of London*, 359, 689–698.
- Sousa-Baena, M. S., Garcia, L.C and Peterson, A. T. 2013. Completeness of Digital Accessible Knowledge of the plants of Brazil and priorities for survey and inventory. 20, 369-381.
- Sudarmono, S. 2007. Endemic plants of serpentine soils. *Biodiversitas Journal of Biological Diversity*, 8(4).
- Syamsuardi, Maideliza, T., Nurainas, Mansyurdin & Susanti, T. 2010. Diversity of Zingiberaceae in West Sumatra: Inferred from geographical isolation of Barisan Range. Hibah Pasca Sarjana Universitas Andalas.
- Takano, A., Horiuchi, Y., Fujimoto, Y., Aoki, K., Mitsuhashi, H and Takahashi, A. 2019. Simple but long-lasting: A specimen imaging method applicable for small-and medium-sized herbaria. *PhytoKeys*, 118, 1.
- Tews, J. 2006. *Biodiversity and Climate Change: A Modelling Perspective*. In: *Focus on Biodiversity Research* (editor: Jan Schwartz), ISBN: 1-60021-372-3, pp. 15.
- Thuiller, W., Lafourcade, B., Engler, R., Araújo, M. B. 2009. BIOMOD – a platform for ensemble forecasting of species distributions. *Ecography*, 32, 369–373.
- Triyanti, M. 2018. Inventarisasi Family Zingiberaceae Yang Berpotensi Sebagai Obat Di Kabupaten Musi Rawas. *Prosiding National Conference on Mathematics, Science, and Education (NACOMSE)*, 11-16. University Research Colloquium 2015. ISSN 2407-9189.
- Vanda, Y dan Cahyono, S. A. 2015. Konsep Metadata Untuk Aplikasi E-Learning. Publikasi Ilmiah. <https://publikasiilmiah.ums.ac.id/xmlui/handle/11617/5105>. Accessed on: 11 Nov 2022.
- WFO. 2022. Zingiberaceae Martinov. Published on the Internet; <http://www.worldfloraonline.org/taxon/wfo-7000000651>. Accessed on: 30 Oct 2022'
- Widjaja, E. A., Rahayuningsih, Y., Rahajoe, J. S., Ubaidillah, R., Maryanto, I., Walujo, E. B and Semiadi, G. 2014. Kekinian Keanekaragaman Hayati Indonesia 2014 (Jakarta: LIPI Press) p 344.
- Wieczorek, J., Bloom, D., Guralnick, R., Blum, S., Döring, M., Giovanni, R. 2012. Darwin Core: An Evolving Community-Developed Biodiversity Data Standard. *PLoS ONE* 7(1), e29715.

- Wijana, N. 2014. Biologi dan Lingkungannya. Singaraja: Plantaxia.
- Wijaya, T. 2020. Membaca Bukit Barisan dan manusia Sumatra. <https://www.mongabay.co.id/2020/03/20/membaca-bukit-barisan-dan-manusia-Sumatra/>. diakses 17 juni 2023.
- William, K. J., Kress, W. J and Monas P.S. 2004. The Phylogeny, Evolution and Classification of the Genus *Globba* and Tribe *Globbeae* (Zingiberaceae): Appendages Do Matter. *American Journal of Botany*, 91(1), 100
- Woodland, W. Dennis. 1997. *Contemporary Plant Systematics* Second Edition. Andrews University Press. Berrien Springs. Michigan. United States of America.
- Yang, H., Willis, A., Morse, D. R., Roeck, A. 2013. Literature-driven Curation for Taxonomic Name Databases. *Proceedings of the Joint Workshop on NLP & LOD and SWAIE*, 25-32.
- Zaryaningsih, A., Kamal, E and Damanhuri, H. 2022. Strategi pengelolaan ekosistem hutan mangrove di Teluk Tuapejat Kabupaten Kepulauan Mentawai, Sumatra Barat. *Acta Aquatica: Aquatic Sciences Journal*, 9(2), 72-75.

