

DAFTAR PUSTAKA

- Agarwal, M., N. Shrivastava and H. Padh. 2008. Advances in Molecular marker Techniques and their Applications in Plant Sciences. *Plant Cell Rep* 27 : 617-631.
- Al-Edany, T.Y., A. Sahar and Al-Saadi, A. M. 2012. Taxonomic Significance of Anatomical Characters in Some Species of the Family Myrtaceae. *American Journal of Plant Science* 3 : 572-581.
- Alvares, I and Wendel JF. 2003. Ribosomal ITS Sequences and Plant Phylogenetic Inference. *Mol Phylo Evo* 29 : 417-434.
- Amos, W and Harwood, J. 1998. Factors affecting levels of genetic diversity in natural populations. *The Royal Society* 353 : 177-186.
- Andersen, K. Baldwin, B.G and Bremer, B. 1999. Phylogenetic utility of nuclear rDNA ITS region in subfamily *Ixoroidae* (Rubiaceae) : Comparisons with cpDNA *rbcL* sequence data. *Plant Systematic Evolution* (217) : 119-135.
- Anonymous. 1996. International Plant Genetic Resources Institute (IPGRI). *Descriptors for Banana (*Musa* spp.)*. Rome-Italy.
- Anonymous. 2002. International Network for the Improvement of Banana and Plantain (INABAP). *Musa Germplasm Information System, Version 1.0 : User's Guide*. Montpellier. France.
- Anonymous. 2007. Biodiversity in Sulawesi Island. Interim Report : The Study on Arterial Road Network Development Plan for Sulawesi Island Feasibility Study on Priority Arterial Road Development for South Sulawesi Province. 1-9
https://www.jica.go.jp/english/our_work/social_environmental/archive/proasia/pdf/ind08_02.pdf
- Anonymous. 2008. The Biology of *Musa* L. (banana). Australian Government. Department of Health and Ageing Office of the Gene Technology Regulator. Version 1. Australia. 1-40.
[http://www.health.gov.au/internet/ogtr/publishing.nsf/content/banana-3/\\$file/biologybanana.pdf](http://www.health.gov.au/internet/ogtr/publishing.nsf/content/banana-3/$file/biologybanana.pdf)
- Anonymous. 2013. DNA barcoding in *bambusa* spp. using Internal Transcribed Spacer Region of the Nuclear Ribosomal RNA. Exclusive summary.
- Anonymous. 2016a.
http://shodhganga.inflibnet.ac.in/bitstream/10603/28524/6/06_chapter%201.pdf . Diakses 20 Januari 2016.
- Anonymous. 2016b. <http://www.cgiar.org/our-strategy/crop-factsheets/bananas/>. Diakses 25 Januari 2016
- Anonymous, 2017. <https://www.worldblaze.in/banana-producing-countries-in-the-world>. Diakses 5 Juli 2019
- Apriliyanto, V dan Sembiring L. 2016. *Filogenetika Molekuler*. Teori dan Aplikasi. Innosain. Yogyakarta. Pp 14-50
- Arikunto, S., 2010. *Prosedur Penelitian : Suatu Pendekatan Praktik* (Edisi Revisi). Rineka Cipta. Jakarta.

- Athawongsa, K. 2008. Morphological diversity of wild banana (*Musa acuminata* Colla) in Thailand. Faculty of Graduate studies Mahidol University. Thailand. Abstract.
- Arjcharoen, A. B. Silayoi, K. Wanichkul and S. Apasitwanich. 2010. Variation of B genom in *Musa* Accession and their New Identification. *Kasetsart J. (Nat Sci.)* 44 : 392-400.
- Baldwin, G.B., 1992. Phylogenetic utility of the Internal Transcribed Spacer of Nuclear Ribosomal DNA in Plant : An Example from Compositae. *Molecular Phylogenetic And Evolution* 1(1) : 3-16
- Baldwin, GB, M.J Sanderson, J.M Porter, M.F Wojciechowski, C.S Campbell and M. J Donoghue. 1995. The ITS region of Nuclear Ribosomal DNA : A Valuable Source of Evidence on Angiosperm Phylogeny. *Annals of the Missouri Botanical Garden*. 82 (2) : 247-277.
- Bhandari, H.R., Bhanu, A. N. Srivastava, K. Singh, M. N, Sherya, Hemantaranjan, A. 2017. Assessment of genetic diversity in crop plants- an overview. *Advance in Plants And Agriculture Research* 7 (3) : 279-286.
- Buckler, E.S., Ippolito, A and Holdsford, T.P., 1997. The evolution of Ribosomal DNA : Divergent paralogues and phylogenetic implications. *Genetic* 145 : 821-832.
- Cannon, C.H., 2005. Vegetation of Sulawesi: fine filter analysis report. Performed as part of the Ecoregional Conservation Assessment. The Nature Conservancy and Texas Tech University. USA. 1-19.
- Chiu, H.L., Shii, C.T and Yang, T-Y. A. 2015. *M. itinerans* var. *chiumei* (*Musaceae*), A new Addition to the Taiwan Flora. *Taiwania* 60 (3) : 133-136.
- Christelova, P., Valarik, M., Hribova, E., Van den houwe, I., Channeliere, S., Roux, N and Dolez, J. 2011a. A platform for efficient genotyping in *Musa* using microsatellite markers. *AoB Plants*. <http://aobplants.oxfordjournals.org/>. Di akses 5 Juli 2019.
- Christelova, P., Valarik, M., Hribova, E., De Langhe, E., and Dolezel, J. 2011b. A multi gene sequence-based phylogeny of the *Musaceae* (banana) family. *BMC evolutionary Biology*. 11 (103) : 1-13
- Christelova, P., De Langhe, E., Hribova, E., Cizkova, J., Sardos, J., Husa kova, M., Van den houwe, I., Sutanto, A., Kepler, A.K., Swennen, R., Roux, N., Dolezel, J., 2016. Molecular and cytological characterization of the global *Musa* germplasm collection provides insights into the treasure of banana diversity. *Biodivers Conserv.* 1-24.
- Cizkova, J., Hribova, E., Chrztelova, P., Van den Houwe, I., Hakkinen, M., Roux, N., Swennen, R an Dolezel, J. 2015. Molecular and Cytogenetic Characterization of Wild *Musa* Species. *PLOS ONE* : 1-19.
- Cobley, L.S and J. Steele, 1976. *An Introduction to the Botany of Tropical Crops* 2nd Ed. Longman. London. Pp 36-45
- Creste, S. Augusto, T. N, Sebastiao, de O. S and Antonio, F. 2003. Genetic characterization of banana cultivars (*Musa spp.*) from Brazil using microsatellite markers. *Euphytica* 132 : 259-268.

- Cutter, E.G. 1971. *Plant Anatomy : Experiment and Interpretation Part 2 ; Organs*. Addison-Wesley Publishing Company. Massachusetts. USA. Pp 261-263
- Dal- prano, M and Eliasaro, S. 2010. Four new species of Graphis (ostropales : Grapidaceae) from Brazil. *The Lichenologist* 42 (1) : 77-81.
- Damayanti, F. 2007. Analysis of chromosome and anatomy of stomata some germplasm (*Musa spp.*) from East Kalimantan. *Bioscientiae* 2 : 53-61.
- Daniells, J., Jenni, C., Karamura, D. and Tomekpe, K. 2001. *Musalogue : A Catalogue of Musa Germplasm, Diversity in the Genus Musa*. INABAP, Montpellier, France. 1-207
- Das, M., S. Battacharya, J. Basak and A. Pal. 2007. Phylogenetic Relationship Among The Bamboo Species as Revealed by Morphological Characters and Polymorphism Analysis. *Biologia Plantarum*. 51 (4). 667-672.
- Davis, P. H and V. H. Heywood. 1973. Principles of Angiospermae Taxonomy. Robert E. Krieger Publishing Company Huntington. New York. Pp 111-181
- De Langhe, E., Vrydaghs, L. de Maret, P. Perrier, X and Denham, T. 2009. Why Banana Matter : An Introduction to the History of Banana Domestication. *Ethnobotany Research and Application*. 7 : 165-177.
- Delin, W and Kress, J. W. 2000. Musaceae. *Flora of China* 24 : 297-313.
- Dharmayanti, I. N.L.P. 2011. Filogenetika Molekuler : Metode Taksonomi Organisme Berdasarkan Sejarah Evolusi. *WartaZoa*. Volume 21 No.1
- Dias, L., A.S. 2001. Genetic Improvement Cacao Melhoramento Genetico Du Cacaueurio) (Ed. Dias LAS), FUNAFE-UFG, Brazil. Translated to English by Abreu-Ricart CE (<http://ecoport.org>) Diakses 15 Juli 2019
- Dunn, G and Everitt, B.S. 1982. An Introduction to mathematical taxonomy. Cambridge University Press. Pp 215-223
- Eames, AJ and MacDaniels LH. 1972. *An Introduction To Plant Anatomy*. Tata McGraw-Hill Publishing Company. Pp 331-333.
- Edgar, P.P., Tang, M, Bird, K.A, Mayfield. D. R, Conant. G, Mummenhoff. K, Koch. M. A, and Pires, J. C. 2014. Secondary Structure Analyses of the Nuclear rRNA Internal Transcribed Spacers and Assessment of Its Phylogenetic Utility across the *Brassicaceae* (Mustards). *PLOS ONE* 9 (7) : 1-7
- Endrees, P.K., P.Baas, and M. Gregory. 2000. Systematic Plant Morphology and Anatomy : 50 years of progress. *Taxon*. 49(3) : 401-434.
- Engles, J. M. M. 1983. A systematic Description of Cacao Clones : III. Relationship Between Clones, Between Characteristics and Some Consequences for the Cacao Breeding. *Euphytica*, 32 (2) : 719-733.
- Esau, K. 1960. Anatomy of Seed Plants. Wiley Eastern Limited. Pp 94-96, 322-324.
- Fahn, A. 1982. *Plant Anatomy* 4th. Pergamon. Oxford. Pp 254-267.
- Faure, S., J-L. Noyer, J.P. Horry, F. Bakry, C. Lanaud and D. Gonzales de Leon, 1994. A molecular marker-based linked Map of diploid banana (*Musa acuminata*). *Curr Genet* 25 : 265-269.

- Fitmawati. 2003. Relevansi Batasan Spesies dan Intraspecies Van Stennis dengan Pencacah Molekular. *Floribunda* 2 (4) :108-113.
- Gawel, N.J dan R.L Jarret, 1991. Chloroplast DNA restriction fragment length polymorphism (RFLPs) in *Musa* species. *Theor Appl Genet* 25 : 265-269.
- Gower, J.C., 1971. A General Coefficient of Similarity and Some of Its Properties. *Biometrics* 27 (4) : 857-871.
- Haan, D. S., J. Nunez. M. Bonierbale, M. Gislain and J. Van der Maesen. 2013. A Simple sequence Repeat (SSR) Marker Comparison of a large in- and ex-situ Potato Landrace Cultivar Collection from Peru Reaffirms the Complementary nature of both Conservations strategies. *Diversity*. 5 : 505-521.
- Hakkinen, M., Meikong, K. 2004. A new species of the wild banana genus, *Musa* (Musaceae), From Borneo. *Systematic and Biodiversity* 2 : 169-173.
- Hakkinen M, Hong W. 2007. New Species and variety of *Musa* (Musaceae) from Yunnan, China. *Novon* 17: 440-446.
- Hakkinen, M. 2013. Reappraisal of Sectional Taxonomy In *Musa* (Musaceae). *Taxon*. 62 : 809-813.
- Hall, B.G. 2001. Phylogenetic Tress Made Easy : A How – To Manual for Molecular Biologist. Sinauer Accociates, Inc. Sunderland, Massachusetts, USA. Pp 27- 42
- Hapsari, L. 2014. Wild *Musa* Species Collection of Purwodadi Botanic Garden : Inventory and Its Morpho-Taxonoic Review. *Biotropia* 4 (1) : 70-80.
- Harijati, N. R. Azrianingsih and E.A. Prawaningtyas. 2013. The Study of Anatomy and Fiber Banana Leaf as a Potensial Wrapping. *American Journal of Plant Science* 4 : 1461-1465.
- Henderson, A., Traditional Morfometrics in Plant Systematic and its Role in Plant Systematics. 2006. *Botanical Journal of Linnean Society* 151 : 101-111
- Heslop-Horrison. J.S and T. Schwarzachner. 2007. Domestication, Genomic and tha Future for Banana. *Annals of Botany* 100 : 1073-1084.
- Hidayat, T dan Pancoro, A. 2006. Kajian Filogenetika Molekular dan Peranannya dalam Penyediaan Informasi Dasar untuk Peningkatan Kualitas Sumber Daya Genetik Anggerek. *Jurnal AgroBiogen* 4 (1) : 35-40.
- Hribova, E. Jana. C. Pavla, C. Stefan, T. Edmond de L and Jaroslav, D., 2011. The ITS1-5,8S-ITS2 Sequence Region in the Musaceae : Stucture, Diversity and Use in Molecular Phylogeny. *Plosone*. 6 : 1-7.
- Izhaki, I., Tsahar, E., Paluy, I., and Friedman, J. 2002. Within Population variation and interrelationships between morphology, nutritional contet, and secondary compounds of *Rhamnus alaternus* fruits. *New Phytologist* 156 : 217-223.
- Janssens, S.B., Vendelook, F. De Langhe, E. Verstraete, B. Smets, E. Vendenhouwe, I and Swennen, R. 2016. Evolutionary dynamics and biogeography of *Musaceae* reveal a correlation between the diversification of the banana family and the geological and climatic history. *New Phytologist*. 210 : 1453-1465.

- Javed, M.A. M. Chai and R.Y Othman. 2002. Morphological Characterization of Malaysian Wild Banana *Musa acuminata*. *Biotropia* 18 : 21-37.
- Jeffrey, C. 1968. Systematics categories for cultivated plants. *Taxon* 17 (2) : 109-114
- Jesus, N, O, Claudia, F. F, Sebastiao, O. S, Terezinha, R. C, Taliane, L. S and Katia, NP. 2009. Characterization of recommended banana cultivars using morphological and molecular descriptors. *Crop Breeding and Applied Biotechnology* : 164-173.
- Joe, A., Sheerejit, P.E and Sabu, M., 2015. *Musa cylindrical*, a new species of *Musa* (Musaceae) from Nort-East, India. *Phytotaxa* 172 (2) : 137-140.
- Johansen, D.A. 1940. Plant Microtechnique. Tata Mcgrew hill Publishing Company Ltd., New Delhi.
- Jonah, P.M., L.L. Bello, O. Lucky, A. Midau and S.M. Morrappa. 2011. Review : The Importance of Molecular Markers In Plant Breeding Programmes. *Global Journal of Science Frontier Research* 11 (5) : 1-8.
- Jones, SB and A.E Luchsinger. 1979. Plant Systematic. McGraw-Hill Book Company. New York. Pp 18-59
- Kaemmer, D. D. Fischer, R.L. Jarret, F.C. Baurens, A. Grapin, D. Dambier, J.L. Noyer, C. Lanaud, G. Kahl and P.J. L. Lagoda, 1997. Molecular Breeding in the genus *Musa* : a strong case for STMS marker technology. *Euphytica*. 4 : 49-63.
- Kimura, M. 1980. A Simple Method for Estimating Evolutionary Rates of based Substitutions Through Comparative Studies of Nucleotide Sequence. *Journal of Molecular Evolution*. 16 : 111-120.
- Kovack. 2007. *Multivariate Statistical Package*. Ver. 3.1. Published by Kovack Computing Service, Pentaraeth, Wales, U.K.
- Kulkarni, V.M, S. Chadha, S.R Yadaf and G.B Dixit. 2012. Molecular Biodivetsity Studies in Wild and Cultivated Members of The Banana Family, *Musaceae*. *CIBTEch Journal of Biotechnology* 1 : 4-55.
- Lamaji, S. 1998. Pemberdayaan sifat morfologis untuk analisis kekerabatan plasma nutfah tebu. *Bull. P3GI*.
- Lamare, A. A.M. Otaghvari and S.R. Rao. 2017. Phylogenetic implications of the internal transcribed spacers of nrDNA and chloroplast DNA fragents of *Musa* in deciphering the ambiguities related to the sectional classifications of the genus. *Genet Resour Crop Evol* 64 : 1241-1251.
- Li, Lin-Feng., Hakkinen, M., Yuan, Yong-Ming., and Ge, Xue-Jun. 2010. Molecular phylogeny and systematics of the banana family (Musaceae) inferred from multiple nuclear and chloroplast DNA fragment, with a special reference to the genus. *Molecular Phylogenetics and Evolution*. 57 : 1-10.
- Liu, Ai-Zong., Kress, W.J and Li, De-Zhu. 2010. Phylogenetic analyses of the banana family (Musaceae) based on nuclear ribosomal (ITS) and chloroplast (trnL-F) evidence. *Taxon* 59 (1) : 20-28.
- Makarieva, A.M and V.G. Gorshkov. 2004. On the nature of intraspecific genetic variability : Evidence againts the ruling paradigm. Theoretical Physics Division, Petersburg Nuclear Physics Institute, 188300, Gatchina, St.

- Petersburg, Russia, elba@peterlink.ru, <http://www.bioticregulation.ru>.
<https://arxiv.org/ftp/arxiv/papers/1101/1101.0579.pdf> .
- Mukhuntakumar, S., P. Padmesh, P.S., Vineesh, R., Skaria, Kumar K.H and Krishnan. 2013. Genetic Diversity and Diffrentiation Analysis among Wild Antecedents of Banana (*Musa acuminata* Colla) using RAPD Markers. *Indian Journal of Biotechnology* 12 : 493-498.
- Manivannan, A., Anandakumar, C.R., Ushakumari, R and Dahiya, G.S. 2015. Genetic Diversity of Guard Genotypes (*Cyamopsis tetragonoloba* (L.) Taub) Based on Agromorphological Traits. *Bangladesh J. Bott* 44 (1) : 59-65.
- Manzo-Sanchez, G., Buenrostro-Nava, M.T., Guzman-Gonzales, S., Orozco-Santos, M.,Youssef, M and Escobedo-Gracia Medrano, RM. 2015. Genetic Diversity in Bananas and Plantains (*Musa Spp.*). *INTECH*. 1 : 193-121.
- Megia, R., 2005. *Musa* sebagai Model Genom. *Hayati*. 1 : 167-170.
- Miller, R.N.G., Marco, A.N., Natalia, P., Menezes, N.P., Jr. Marcos M do Carmo Costa, M.T.S., Vania, C.R.A., Amorim, P.E., Georgios, J.P Jr and Ana, Y. C. 2010. Chacacterization of novel microsatellite markers in *Musa acuminata* subsp. *burmannicoides*, var. *Calcutta* 4. *Med Central*. 3 : 148-153.
- Nasution, R.E dan I. Yamada. 2001. Pisang-pisang liar di Indonesia. Pusat Penelitian dan Pengembangan Biologi, LIPI. Bogor. Pp 12-45
- Nei, M. 1972. Genetic Distance between Population. *American Nature*. 106 : 283-292.
- Osawaru, M. E., Oguwu, M. C. Aiwansoba R.O. 2015. Hierarchical approaches to the analysis genetic diversity in palants : a systematic overview. *University of Mauritius Res J* 21 : 1-33.
- Osuji, J. O. 2006. Microstructural characters of the Inflorescence Bracts Discriminate Between *Musa sapientum* L. & *Musa Paradisiaca* L. *Interntional Journal of Botany* 2 (1) : 11-16.
- Ortiz, R. 1997. Morphological variation in *Musa* germplasm. *Genetic Resource and Crop Evolution* 44 : 393-404.
- Perrier, X., E. de Langhe, M. Donohue, C. Lentfer, L. Vrydaghs and Tim Denham. 2011. Multidiciplinary Perspective on Banana (*Musa spp.*) Domestication. *PNAS* 108 : 11311-11318.
- Pharmawati, M. 2009. Optimalisasi ekstrak DNA dan PCR-RAPD pada *Grevillea* spp. (Proteaceae). *Jurnal Biologi* XIII (1) : 12-16
- Phothipan, S., B. Silayoi., K. Wanichkul and S. Apisitwanich. 2005. Genetic Relationship among Bananas in AA, AAB and BB Groups using Random Amplified Polymorphic DNA (RAPD) and Sequence Related Amplified Polymorphism (SRAP) Techniques. *Kasetsart J. (Nas-sci)*. 39 : 703-710.
- Pillay, M., Nwakama D.C and Tenkouano A. 2000. Identification RAPD markers linked to A and B genome sequence in *Musa* L. *Genome* 43 : 763-767.
- Pillay, M., K. Ashokkumar, A. James, S.J.P Kirubakaran, R. Miller, R. Ortiz and E. Sivalingam. 2012. Molecular Marker Techniques in *Musa* Genomic Research. Taylor and Francis Group, LLC. 70-90.

- Ploetz, R. C., A.K Kepler, J. Danniels, and S.C. Nelson. 2007. Banana and plantain an overview with emphasis on Pacific island cultivars. Musaceae (banana family). Ver.1. 1-27. Species Profiles for Pacific Island Agroforestry. www.traditionaltree.org. Hawaii. https://www.ctahr.hawaii.edu/sustainag/extn_pub/fruitpubs/Banana-plantain-overview.pdf
- Poerba, Y. S dan Martanti, D. 2008. Keragaman Genetik berdasarkan Marka Random Amplified Polymorphic DNA pada *Amorphophallus Muelleri* Blume di Jawa. *Jurnal Biodiversitas* 9 (4) 245 : 249.
- Poerba, Y. S dan F. Ahmad. 2010. Genetic variability among 18 cultivars of cooking bananas and plantains by RAPD and ISSR markers. *Biodiversitas*. 11 : 118-123.
- Poerba, Y. S dan F. Ahmad. 2013. Analisis Keragaman Genetik *Musa balbisiana* Colla Berdasarkan Marka RAPD dan ISSR. *Berita Biologi* 12 (22) : 259-267.
- Poerba YS, Martanti D, Handayani T, Herlina, Witjaksono. 2016. Katalog Pisang. LIPI Press. Jakarta.
- Poerba YS, Martanti D, Ahmad F, Herlina, Handayani T, Witjaksono. 2018. Deskripsi Pisang. LIPI Press. Jakarta.
- Powell, W., G.C Marchray and J. Provan. 1996. Polimorphism Revealed by Simple Sequence Repeats. *Elsivier*. 1 (7) :215-222
- Pranawaty, R. N., Buwono, I. D., Liviawaty, E., 2012. Aplikasi Polymerase Chain Reaction (PCR) konvensional dan real time PCR untuk deteksi *white spot syndrome virus* pada kepiting. *Jurnal Kelautan dan Perikanan* 3 (4) : 61-74.
- Purseglove, J.W. 1972. Tropical Crops. Monocotyledons. Longman, London. Pp 343-384
- Putra, E.TS., N.AP Abdullah, G. Saleh and W. Zakaria. 2010. Morphological Variation and Geographical Distribution of *Musa* sp. Cv. Rastali in Peninsular Malaysia. *J Cell of Plant Science* 1 : 23-32.
- Radford, A.E., 1986. Fundamentals of Plant Systematic. Harper & Publisher, Inc. New York.
- Ramel, C., 1998. Biodiversity and intraspecific genetic variation. *Pure & Appl. Chem* 70 (11) 2079-2084.
- Retnoningsih, A., R. Megia and A. Hartana, 2010. Molecular Verification and Diversity Analysis of Indonesia BB, AAB and ABB Banana Cultivars. *Tree and Forestry Science and Biotechnology*. 69-76.
- Retnoningsih, A., R. Megia and A. Hartana, 2011. Microsatellite Markers for Classifying and Analysing Genetic Relationship between Banana Cultivars in Indonesia. *Acta Hort*. 897. ISHS 2011.
- Rholf, J.F., 2001. Numerical Taxonomy and Multivariate Analysis System. Version 1.70. NTSYS pc Manual book, Applied Biostatistik. New York.
- Rundel, P.W., Sharifi, M. Rasoul. Gibson, A. C. and Esler, K. J. 1998. Structural and physiological adaptation to light environments in neotropical *Heliconia* (Heliconiaceae). *Journal of Tropical Ecology* 14 : 789-801.

- Ruzin, S.E. 1999. Plant Microtechnique and Microscopy. Oxford University Press, New York, Oxford.
- Samarasinghe, W.L.G., A.L.T. Parera., I.P. Wickramasinghe and A.M. Nahfees. 2002. Molecular Characterization of *Musa* spp by Simple Sequence Repeats (SSR). *Tropical Agricultural Research*. 14 :1-10.
- Samarasinghe, W.L.G. and Jayaweera, S.L.D. 2008. Occurance, Caharacteristic and Diversity Wild Banana *Musa acuminata* and *Musa balbisiana* in Srilanka. *Annals of the Sri lanka*. Departement of Agriculture 10 : 165-176.
- Sambrook, J. Fritsh, E.F and Maniatis. T. 1989. *Molecular Cloning* : a laboratory manual. 2nd. N.Y., Cold Spring Harbor Laboratory Press. New York.
- Santika, Y., E.F Tihurua and T. Triono. 2014. Comparative Leaves Anatomy of *Pandanus*, *Freycinetia* and *Sararanga* (Pandanaceae) and Their Diagnostic Value. *Reinwardtia* 14 (1) : 163-170.
- Setyawan, A. D., 2001. Anatomi Sistematis pada Anggota Familia *Zingiberaceae*. *BioSMART* 3 (2) : 36-44.
- Shaheen, S., M. Ahmad, F. Kkhan, M. Zafar, M.A Khan, S. Sultana, S. Abbas, M. Jamil and S. Khan. 2011. Systematic Application of Palino Anatomical Characterization of *Setaria* Species based in Scanning Electrone Microscope (SEM) and Light Microscope (LM) Analysis. *Journal of Medicinal Plant Research* 5 (24) : 5803-5809
- Shukla, P and Misra, S.P. 1982. An Introduction to Taxonomy of Angiospermae. Vicas Publishing House. Pvt Ltd. New Delhi, Bombay, Bangalore, Calcuta, Kanpu. P : 110-147
- Siew, G.Y., W. L. Ng, S.W. Tan, N. B. Alitheen, S. G. Tan, and S. K. Yeap. 2017. Genetic variation and S. K Yeap. 2017. Genetic variation and DNA fingerprinting of durian types in Malaysia. Using simple sequence repeat (SSR) markers. *PeerJ*. 1-18.
- Simao, D. G and Scatena, V. L., 2001. Morphology and anatomy in *Heliconia angusta* Vell and *H. velloziana* L. Emygd. (*Zingiberales* : *Heliconiaceae*) from Atlantic forest of Southeastern Brazil. *Revta brasil. Bot.* 24 (4) : 415-424.
- Simmond and Shepherd, 1955. The taxonomy and origin of the cultivated bananas. *The Botany Journal of Linnean Society of London* 55 : 302-312.
- Simmods, N.W and Weatherup, S. T. C. 1990. Numerical Taxonomy of the wild banana (*Musa*). *The New Phytologist* 3 (15) : 567-571.
- Simpson, M.G. 2006. Plant Systematics. Elsevier Academic Press.
- Singh, G., 1999. Plant Systematic. Science Publisier, Inc. USA. 197-224
- Skutch, A.F. 1930. Unrolling of leaves of *Musa sapientum* and some related plants and their reactions to environmental aridity. *Botanical Gazette* 90:337-365.
- Sneath PHA and Sokal RR. 1973. Numerical Taxonomy. Freeman, San Fransisco.
- Soltis, D.E., Soltis, P. S and Doyle, J.J., Molecular Systematics of Plants II DNA Sequencing. Kluwer Academic Publisher. Pp 15-25

- Sulistiyaningsih, D. L. 2013. The Systematic of Wild Banana Species In Sulawesi : Morphologi and Molecular Studies. The Graduate School Bogor Agricultural University. Thesis.
- Sulistiyaningsih, D. L., R. Megia and EA. Widjaya., 2014a. Two New Records of Wild Bananas (*Musa balbisiana* and *Musa itinerans*) from Sulawesi. *Makara J.Sci* 18 (1) : 1-6.
- Sulistiyaningsih, D. L, R. Megia and EA. Widjaya., 2014b. Phylogenetical study of Wild Banana species (*Musa* L.) in Sulawesi Inferred from Internal Transcribed Spacer Region of Nuclear Ribosomal DNA sequences. *Biotropia* 21 (1) : 13-24.
- Sulistiyaningsih, D.L. 2017. A Newly Described and Recordered Intraspecific Taxa of *Musa Borneensis* Becc (*Musaceae*) From Sulawesi Indonesia. *Reinwardtia* 16 (1) : 19-24.
- Sumardi, I dan M. Wulandari. 2010. Anatomy and morphology character of five Indonesian banana cultivars (*Musa* spp.) of different ploidy level. *Biodiversitas*.11 : 167-175.
- Sunandar, A and Kahar, A. P., 2017. Morphological and Anatomical Characteristic of Pisang Awak (*Musa paradisiaca* cv. Awak) in West Kalimantan. *Biosaintifika* 9 (3) : 579-584.
- Sokal, R.H and P.A Sneath . 1963. Principal Numerical Taxonomy. Freeman and Co. San Fransisco. Pp 60-163
- Sotto, R.C and Rabara, R.C. 2000. Morphological diversity of *Musa balbisiana* Colla in the Philippines. *Infomusa* (9) 2 : 28-30. Abstract.
- Stace, C.A., 1989. Plant Taxonomy and Biosystematic. Edward Arnold Publisher Ltd. London. Pp69-85
- Stepleton, C.M.A. 1997. The Morphology of woody bamboos. *The bamboos* : 251-267.
- Stuessy, T. F. 1990. Plant Taxonomy. The Systematic Evaluation of Comparative Data. New York : Columbia University Press.
- Tamura, K., Peterson, D., Peterson, N., Stechner, G., Nei, M and Kumar, S. 2011. Mega 5: Molecular evolution genetic analysis using maximum likelihood, evolutionary distance, and maximum parsimony methods. *Mol.Biol.Evol* 28 (10) 2731-2739.
- Tallei, T.E., Rembet, R. E., Pelealu, J.J and Kolondam. B. J. 2016. Sequence Variation and Phylogenetic Analysis of *Sansiviera trifasciata* (Asparagaceae). *Bioscience Research*. 13 (1) : 01-07.
- Tomlinson. P.B. 1969. Anatomy of Monocotyledoneae III. Commelinales-Zingiberales. Clarendon press. Oxford USA. Pp 304-315
- Triplett, J.K and Kirchoff, B. K., 1990. Lamina architecture and anatomy in the Heliconiaceae and Musaceae (Zingiberales). *Canada Journal Botany*. Vol 69 : 887-890.
- Tjitrosoepomo, G. 1994. Taksonomi Tumbuhan (Taksonomi Khusus). Bhratara Karya Aksara. Jakarta
- Ubaidillah, R dan H. Sutrisno. 2009. Pengantar Biosistemik : Teori dan Praktek. Pusat penelitian Biologi LIPI. Bogor. Pp 29-139

- Ude, G., Pillay, M. Nwakarma, D and Tenkouano, A. 2002. Genetic diversity in *Musa acuminata* Colla and *Musa balbisiana* Colla and some their natural hybrids using AFLP. *Theor. Appl. Genet* 104 : 1246-1252.
- Valdez-Ojeda, R., A. James-Kay, J.R Ku-Cauich and R. M Escobedo-GraciaMedrano. 2014. Genetic relationships among a collection of *Musa* Germplasm by Fluorescent-labeled SRAP. *Tree Genetics & Genomes* (1) : 1-14.
- Wallace AR 1869. The Malay Archipelago. The land of the Orang-utan and the bird of paradise. A narrative of travel, with studies of man and nature. Diterjemahkan oleh Habibah “Kepulauan Nusantara”. 2009. Komunitas Bambu. Jakarta. Pp 15-23
- Wang, J. Y, L.S. Zheng, B. Z. Huang, W.L. Liu and Y. T. Wu, 2010. Development, characterization, and variability analysis of microsatellite from a commercial cultivar of *Musa acuminata*. *Genetic Resour Crop Evol* 57 : 553-563.
- Wijayanto, T., G. R. Sadimantara and Suaib. 2011. Biodiversity Conservation of Local Plant Germplasms in Southeast Sulawesi - Indonesia: Efforts, Challenges and Roles of Related Institutions. *Recent Advances on Environmental and Life Science*. 74-79.
- Wong, C, Ruth, K, George, A, Ohn, S, Sing, K.L and Yik, Y,G. 2001. Assessment of the Validity of the Section in *Musa* (Musaceae) using AFLP. *Annals of Botany* 90 : 231-238.
- Wong, C, Ruth, K, Jin, P.L, Leong, H, G, Ohn, S, Sing, K. L, Shawn, L and Yik, Y, G. 2002. Genetic Diversity of the Wild Banana *Musa acuminata* Colla in Malaysia as Evidenced by AFLP. *Annals of Botany*. 1 : 1017-1025.
- Yang, Y.T., Y. Liu, F. Qi, L.L. Xu, X.Z. Li, L.J Cong, X. Guo, S.X. Chen and Y.L. Fang. 2015. Assessment of genetic diversity of cucumber cultivars in China based on simple sequence repeats and fruit traits. *Genetic and Molecular Research* 14 (4) : 19028-19039.
- Yeh, C.L., Chen, J.H., Yeh, C.R., Lee, S.Y, Hong, C.W., Chiu, T.H and Su, Y.Y. 2008. *Musa Yamiensis* C.L. Yeh & J.H. Chen (Musaceae) a New Species from Lanyu, Taiwan. *Gardens' Bulletin Singapore* 60 (1) 165-208.
- Yilmaz, A and Bodak, E. 2006. The effect of cobalt-60 applications on yield components of cotton (*Gysopyum barbandense* L.) *Pak J Bio Sci* 9 (15) : 2761-2769.