

DAFTAR PUSTAKA

- Ahmad, K., Khan, M.A., Ahmad, M., Shaheen, N. and Nazir, A. 2010. Taxonomic diversity in epidermal cells of some sub-tropical plant species. *Int. J. Agric. Biol.*, 12: 115–118
- Ahmed, I. 2014. Evolutionary Dynamics in Taro (*Colocacia esculenta* L). Massey University. New Zealand
- Alvarez, I and Wendel, J. F. 2003. Ribosomal ITS sequences and plant phylogenetics inference. *Mol. Phyl and Evolution*. 29 : 417-434
- Amon, A.S., Soro, R.Y., Assemmand E, F., Due, E.A., and Kouame, L.P. 2014. Effect of boiling time on chemical composition and physico-functional properties of flours from taro (*Colocasia esculenta* cv fouê) corm grown in Côte d'Ivoire. *J Food Sci Technol* 51(5):855–864
- Aprilyanto, V dan Sembiring, L. 2016. *Filogenetika Molekuler*. Teori dan Aplikasi. Innosain. Yogyakarta.
- Barbas III, C. F., Burton, D. R. Scott, J. K. And Silverman G. J. 2001. Quantitation of DNA and RNA. Cold Spring Harbor Laboratory Press, NY, USA.
- Baldwin, B.G., Sanderson, M.J., Porter, J.M., Wojciechowski, M.F., Campbell, C.S. and Donoghue, M.J. 1995. The ITS region of nuclear ribosomal DNA: A valuable source of evidence on angiosperm phylogeny. *Ann. Missouri Bot. Gard.* 82(2): 247-277.
- Bardakci, F. 2001. Random Amplified Polymorphic DNA (RAPD) Markers. *Turk J. Biol.* 25 : 185-196
- Barry D. S., Strauss, M. S. and Scheirer, D. C. 1983. *Anatomy and Histochemistry of Taro, Colocasia esculenta (L.) Schott, Leaves*. Department of Biology, Northeastern University, 360 Huntington Avenue, Boston, Massachusetts USA.
- Bhattacharjee, M., Tarafdar, J., and Sadhukhan, R. 2014. Assesment of Genetic Diversity of Some Indigenous Collections of Upland Taro (*Colocacia esculenta* var. *antiquorum* (L.) Schott) for selection of Genotypes Aiming at Improvement in Breeding Programme. *Journal of Agriculture and Veterinary Science*. 7 (7) : 31- 43
- Bhattacharyya, B and Johri, B.M. 1998. *Flowering Plant : Taxonomy and Phylogeny*. Springer-Verlag. Narosa Publishing House. New Delhi.
- Brinegar, C. 2009. Assesing evolution and biodiversity in plants at the Molecular level. *Kathmandu University Journal of Science, Engineering and Technology*. 5 (II) : 149-159.
- Bogner, J. 1987. Morphological Variation in Aroids. *AROIDEANA*, Vol. 10, No.2
- Boyce, P. C. 2015. Why is “Flora Malesiana” Araceae not currently a practicable undertaking-Fenestratarum as an example. *Aroideana* (38E) 1 : 75-83
- Boyce, P. C., Wong, S. Y., Ting, A. P. J., Low, S. E., Low, S. L., Ng, K. K and Ooi, I. H. 2010. The Araceae of Borneo-The Genera. *Aroideana* (33) : 3-73

- Chang, T.K. 1958. Dispersal of Taro in Asia. *Ann. Assoc. Am. Geo.* 48 : 255-256
- Champagne, A., Legendre, L. and Lebot, V. 2013. Biofortification of taro (*Colocasia esculenta*) through breeding for increased contents in carotenoids and anthocyanins. *Euphytica*. July. 2013.
- Cooper, R. C. 1969. Flowering of taro, *Colocasia esculenta* (L.) Schott, Araceae in New Zealand. *Records of the Auckland Institute and Museum* 6 (4/6) : 403-406
- Core, E.A., 1955. *Plant Taxonomy*. Department of Biology West Virginia University. Prentice-Hall Inc. USA
- Croat, T.B. 1985. Collecting and Preparing Specimens of Araceae. *Annals of the Missouri Botanical Garden*. 72 (2) : 252-258
- Cutler, D.F., Botha, C.E.J., and Stevenson, D. W. 2007. *Plant Anatomy An Applied Approach*. Blackwell Publishing. USA
- Das, A., and Das, A. B. 2014. Karyotype analysis of ten draught resistant cultivars of Indian taro-*Colocasia esculenta* cv.antiquorum. *Journal Nucleus*. 57 (2) :113-120
- Djazuli, M. 1994. *Taro Genetic Resources and Utilization in Indonesia* In : Root and Tuber Crops. International Workshop on Genetik Resources. Research Council Secretariat of MAFF and National Institute of Agrobiological
- Djukri dan Purwoko, B. S. 2003. Pengaruh naungan paranet terhadap sifat toleransi tanaman talas (*Colocasia esculenta* (L.) Schott). *Jurnal Ilmu Pertanian* 10 (2) : 17-25
- Duminil, J., and M.D. Michele, 2009. Plant Species delimitation : A comparison of morphological and molecular markers. *Plant Biosyst.*, 143: 528-542.
- Eleazu, C.O., Iroaganachi, M., and Eleazu, K. C. 2013. Ameliorative Potentials of Cocoyam (*Colocasia esculenta* L.) and Unripe Plantain (*Musa paradisiaca* L.) on the Relative Tissue Weights of Streptozotocin-Induced Diabetic Rats. *Journal of Diabetes Research*.
- Essiett, U. A and Archibong, I. A. 2014. The Taxonomic Significance of Certain Anatomical Variation in Four Genera of Asteraceae. *Bull. Env. Pharmacol. Life Sci.* 3 (5) : 150-163
- Erlinawati, I & Tihurua, E.F. 2013. Leaf Surface Comparison of Three Genera of Araceae in Indonesia. *Bulletin Kebun Raya* 16 (2) : 131-145.
- Falah, M. 2015. *Klasifikasi Intraspesies Colocasia esculenta (L.) Schott (Talas) di Jawa berdasarkan karakter Morfologis dan ITS-rDNA*. Tesis (tidak dipublikasikan). Fakultas Biologi. Universitas Gadjah Mada, Yogyakarta.
- Fitmawati, 2003. Relevansi Batasan Spesies dan Intraspesies Van Steenis pencacah Molekuler. *Jurnal Floribunda* 2 (4) 2003.
- Franceschi, V. R and Horner, H. T. 1980. Calcium Oxalate Crystals in Plants *Botanical Review* . 46 (4) : 361-427
- Galappathie, S., Palombo, E.A., Yeo, T.C., Ley, D.L.S., Tu, C.L., Malherbe, F.M., and Mahon, P.J. 2014. Comparative antimicrobial activity of South East Asian plants used in Bornean folkloric medicine. *Journal of Herbal Medicine* 4 : 96-105
- Goldsworthy, P. R. and N. M. Fisher. 1984. *The Physiology of Tropical Field Crops*. John Wiley and Sons.

- Gogoi, R and Borah, S. 2013. Two new species and a new record for *Colocasia* (Araceae: *Colocasieae*) from Arunachal Pradesh, Northeast India. *Gardens' Bulletin Singapore*. 65(1): 27–37
- Hafsah, Hidayat T, dan Kusdianti. 2014. Hubungan Kekerabatan Kultivar Talas (*Colocasia esculenta*) Berdasarkan Karakter Morfologi Organ Vegetatif. *Jurnal Bioslogos*, 4 (1) : 17 – 25
- Hall, T. 2001. BioEdit version 5.0.6. North Carolina State University. Department of Microbiology.
- Hamrick, J. L., and R. W. Allard. 1972. *Microgeographical variation in allozyme frequencies in Arena barbata*. Proc. Natl. Acad. U.S.A. 69:2100-2104.
- Harlan, J.R. 1992. Crops and Man, 2nd edition. ASA, and CSSA. American Society of Agronomy. Wisconsin, USA.
- Hartati, N.S., Prana, T.K, and Prana, M.S. 2001. Comparative Sudy on some Indonesian Taro (*Colocacia esculenta* (L) Schott) samples using Morphological Characters RAPD Markers and Isozyme banding Patterns. *Annales Bogorienses*. 7 (2).
- Hartati, N. S., dan T. K. Prana. 2003. Analisis Kadar Pati dan serat kasar tepung beberapa kultivar talas (*Colocacia esculenta* (L.) Schott. *Jurnal Natur Indonesia* 6 (1) : 29-33
- Henderson, A. 2006. Traditional morphometrics in plant systematics and its role in palm systematics. *Botanical Journal of the Linnean Society*. 151 (1) : 103-111
- Hetterscheid, W. and S. Ittenbach. 1996. Everything you always wanted to know about Amorphophallus, but were afraid to stick your nose into. *Aroideana* 19 : 7-131
- Hidayat, S. 2015. *Variasi Genetik Talas (Colocacia esculenta (L.) Schott) di Sulawesi Tenggara berdasarkan karakter Morfologi dan Molekular*. Tesis (tidak dipublikasikan). Fakultas Biologi. Universitas Gadjah Mada, Yogyakarta.
- Hidayat, T & Pancoro, A. 2008. Kajian Filogenetika Molekule dan Peranannya dalam Menyediakan Informasi Dasar untuk Meningkatkan Kualitas Sumber Daya Genetik Anggrek. *Jurnal AgroBiogen* 4(1):35-40
- Hu, K., Huang, X. F., Dongke, W. and Ding, Y. 2009. Characterization of 11 new microsatellite loci in taro (*Colocasia esculenta*). *Molecular Ecology Resources* 9 : 582–584
- Hunt, H. V., Moots, H. M. and Matthews, P. J. 2013. Genetic data confirms field evidence for natural breeding in a wild taro population (*Colocasia esculenta*) in northern Queensland, Australia. *Genet Resour Crop Evol* 60:1695–1707
- Invanvic, A. 1992. *Breeding and genetics of taro (Colocacia esculenta (L.) Schott*. UNDP. Food and Agriculture Organization Of the United Nation, Ministry of Agriculture and Lands. Solomon Islands, pp1-97
- Invanvic, A. and Lebot, V. 1999. Botany and Genetics of New Caledonian Wild Taro, *Colocacia esculenta*. *Pasific Science*. 53 (3).

- Irawan B, Purbayanti K. 2008. Karakterisasi dan kekerabatan kultivar padi lokal di Desa Rancakalong, Kecamatan Rancakalong, Kabupaten Sumedang. Prosiding Seminar Nasional PTTI, 21-23 Oktober 2008.
- Irwin S.V., Kaufusi P., Banks K., de la Pe, R., and Cho J.J. 1998. Molecular characterization of taro (*Colocasia esculenta*) using RAPD markers. *Euphytica* 99: 183–189
- Jain N, Shasany AK, Sundaresan V, Rajkumar S, Darokar MP, Bagchi GD, Gupta AK, Sushil K, Khanuja SPS. 2003. Molecular diversity in *Phyllanthus amarus* assessed through RAPD analysis. *Curr. Sci.*, 85: 10
- Karp, S., Kresovich, K. V., Bhat, W. G. Ayad and T. Hodgkin. 1997. Molecular tools in plant genetic resources conservation : a guide to technologies. IPGRI Technical Bulletin No.2.
- Kaushal, P., Kumar, V., & Sharma, H. K. (2012). Comparative study of physicochemical, functional, antinutritional and pasting properties of taro (*Colocasia esculenta*), rice (*Oryza sativa*) flour, pigeonpea (*Cajanus cajan*) flour and their blends. *LWT–Food Science and Technology*, 48, 59-68
- Keating, R. C., 2003, Leaf Anatomical Character and Their Values in Understanding Morphoclines in the Araceae. *The Botanical Review* 68 (4) : 510-523
- . 2004. Vegetative Anatomical Data and Its Relationship to a Revised Classification of the Genera of Araceae. *Annals of the Missouri Botanical Garden*. 91 (3) : 485-494
- . 2004. Systematic Occurrence of Raphide Crystals in Araceae. *Annals of the Missouri Botanical Garden*. 91 (3) : 495-504
- Khalik, A and Kadry, N. 2012. A numerical taxonomic study of the family Zygophyllaceae from Egypt. *Acta. Bot. Bras.* 26 (1) : 165-180
- Kreike, C. M., Van Eck, H. J., and Lebot, V. 2004. Genetic diversity of taro, *Colocasia esculenta* (L.) Schott. in Southeast Asia and the Pacific. *Theor Appl Genet* 109 : 761–768
- Kresovich, S., Lamboy, W.F., Rugang, L., Jianping, R., Szewc-Mcfadden, A. K. and Bliet, S. M. 1994. Application of molecular methods and statistical analysis for discrimination of accessions and clones of vetiver grass. *Crop Sci.* 34:805–809.
- Kusumo, S., Maharani H., Sugiono M., Machmud T., Subadriyo., Atmadja H., Agus N., dan Husni K. 2002. Panduan Karakterisasi dan Evaluasi Plasma Nutfah Talas. Departemen Pertanian Badan Penelitian dan Pengembangan Komisi Nasional Plasma Nutfah. Bogor
- Kochhar, S. L. 1981. *Tropical Crops : a textbook of economic botany*. University of Delhi. MacMillan Publisher. India Ltd
- Kovach. 2007. Multi-Variate Statistical Package. Ver 3.1. Published by Kovach Computing Services. Pentraeth. Wales. U.K.
- Kumar, V., Sharma, H. K., Kaushal, P., and Singh, K. 2014. Optimization of Taro-wheat composite flour cake using Taguchi technique. *Journal Food Measure*. DOI 10.1007/s11694-014-9208-1

- Kundu, N., Campbell, P., Hampton, B., Lin, C.Y., Ma, X., Ambulos, N., Zhao, X. F., Gobouleva, O., Holt, D., and Fulton, A. M. 2012. Antimetastatic activity isolate from *Colocasia esculenta* (Taro). *Journ . Anticancer Drugs*. 23(2): 200–211.
- Kuruvilla, K. M., and Singh, A. 1981. Karyotypic and electrophoretic studies on taro and its origin. *Euphytica*. 30 (2) : 405-413
- Lakhanpaul, S., Velayudhan, K.C. and Bhat, K. V. 2003. Analysis of genetic diversity in Indian taro [*Colocasia esculenta* (L.) Schott] using random amplified polymorphic DNA (RAPD) markers. *Genetic Resources and Crop Evolution* 50: 603–609
- Lebot, V. and Aradhya, K. M. 1991. Isozyme variation in taro (*Colocasia esculenta* (L.) Schott.) from Asia and Oceania. *Euphytica* 56 : 55-66.
- Lebot, V., Prana, M. S., Kreike, N., van Heck, H., Pardales, J., Okpul, T., Gendua, T., Thongjiem, M., Hue, H., and Yap, T. C. 2004. Characterisation of taro (*Colocasia esculenta* (L.) Schott) genetic resources in Southeast Asia and Oceania. *Genetic Resources and Crop Evolution* 51: 381–392
- Lebot, V., Hartati, S., Hue, N. T., Viet, N.V. , Nghia, N.H., Okpul, T. , Pardales, J., Prana, M.S., Prana, T. K., Thongjiem, M., Krieke, C. M., VanEck, H., Yap, T. C. and Invanvic, A. 2010. The global diversity of *C. esculenta* : Characterizing taro using isozymes and morpho-agronomic descriptors. Biodiversity International. Rome.
- Lebot, V., and Legendre, L. 2014. HPTLC screening of taro hybrids (*Colocasia esculenta* (L.) Schott) with high flavonoids and antioxidants contents. *Plant Breeding* 134 : 129–134
- Lebot, V., Lawac, F., Michalet, S. and Legendre, L. 2017. Characterization of taro [*Colocasia esculenta* (L.) Schott] germplasm for improved flavonoid composition and content. *Plant Genetic Resources: Characterization and Utilization* 15(3); 260–268
- Leon, J. 1976. *Origin, Evolution and Early Dispersal of Root and Tuber Crops*. Tropical Root Crops Symposium. Costa Rica.
- Li, H. & Boyce, P.C. (2010) *Colocasia*. In: *Flora of China* 23. Pp. 73-75. Beijing: Science Press; St. Louis: Missouri Botanical Garden Press.
- Lu, Z., Li, W., Yang, Y. and Hu, X. 2011. Isolation and characterization of 19 new microsatellite loci in *Colocasia esculenta* (Araceae). *American Journal of Botany*. 98(9): 39-41
- Lumaret, R. Michaud, J. Ripoll, P and L. Thoumi. 1998. Chloroplast DNA extraction procedure for species high in Phenolic and Pollysacharides. In A. Krap. P.G. Isaac and D.S. Ingram (Eds). *Molecular Tool for Screening Biodiversity*. Chapman and Hall. London. P : 15-17
- Mace, E. S. and Godwin, S. 2002. Development and characterization of polymorphic microsatellite markers in taro (*Colocasia esculenta*). *Genome* 45: 823–832
- Macharia, M. W., Runo, S.M., Muchugi, A.N. and Palapala, V. 2014. Genetic structure and diversity of East African Taro (*Colocasia esculenta* (L.) Schott). *African Journal of Biotechnology*. 13 (29) : 2950-2955

- MacKinnon, K., Hatta, G., Halim, H. Dan Mangalik, A. 2000. *Ekologi Kalimantan* (Seri Ekologi Indonesia). Prenhalindo. Jakarta
- Maga, J. A., Liu, M. B. and Rey, T. 1993. Taro (*Colocasia esculenta*) extrusion. *Carbohydrate Polimers* 21 : 177-178
- Mandal, R., Mukherjee, A., Mandal, N., Taraddar, J., and Mukharjee, A. 2013. Assesment of Genetic Diversity in Taro Using Morphometrics. *Current Agriculture Research Journal* . 1 (2): 79-85
- Matthews, P.J. 2004. Genetic Diversity in Taro and the Preservation of Culinary Knowledge. *Ethnobotany Research and Applications* 2 : 55-71
- _____. 2010. Global diversity of *C. esculenta* : An introduction to the history of taro as a food. Biodiversity International, Rome.
- Maxiselly, Y dan A. Karuniawan, 2011. Keragaman Talas Spesies *Colocasia esculenta* (L.) Schott dan *Xanthosoma sagittifolium* (L.) Schott di Jawa Barat. *Prosiding Seminar Hasil Penelitian Tanaman Aneka Kacang dan Umbi* : 794-802
- Mayo, S.J., Bogner J., and Boyce. P.C. 1997. *The Genera of Araceae*. Royal Botanic Garden. Belgium.
- Metcalf, C. R. and L. Chalk. 1950. *Anatomy of the Dicotyledons*. Clarendon Press, Ox-ford. Vol 1.
- Mishra, A.K., Sharma, K. and Misra, R.S. 2008. Genetic Relatedness of *C. esculenta* as Revealed by RAPDs. *The Asian and Australasian Journal of Plants Science and Biotechnology*. 2 (2) : 97-101
- Misra, R. S. and Sriram, S. 2002. *Medicinal value and export potential of tropical tuber crops*. J.N. Govil, J. Pandey, B.G. Shivkumar, V.K. Singh (Eds.), Recent Progress in Medicinal Plants, Crop Improvement, Production Technology and Commerce, SCI Tech Pub, USA pp. 376–386
- Myers, N., Mittermeier R. A., Mittermeier, C.G., da Fonseca, G.A.B., and Kent, J. 2000. Biodiversity hotspots for conservation priorities. *Nature* 403:853–858.
- Naidoo, K., Amonsou, E. O., and Oyeyinka, S.A. 2015. In vitro digestibility and some physicochemical properties of starch from wild and cultivated amadumbe corms. *Carbohydrate Polymers*. 125 : 9–15
- Nath, V.S. John, N.S., Anjanadevi, I.P., Hegde, V.M. Jeeva, M.L. Misra, R.S. and Veena, S.S. 2014. Characterization of *Trichoderma* spp. antagonistic to *Phytophthora colocasiae* associated with leaf blight of taro. *Ann Microbiol* 64 : 1513-1522
- Nath, V.S., Hegde, V.M., Jeeva, M.L., Misra, R.S., Veena, S.S., Raj, M., and Sankar, D.S. 2015. Morphological, pathological and molecular characterization of *Phytophthora colocasiae* responsible for taro leaf blight disease in India. *Phytoparasitica* 43:21–35
- Nei, M and W. H. Li, 1979. Mathematical model for studying genetic variation in terms of restriction endonucleases. *Proc Natl Acad Sci USA*. 76: 5269–5273.
- Nei, M. 1972. Genetic Distance Beetwen Population. *American Nature*. 106 : 283-292

- Nei, M and Kumar, S. 2000. *Molecular Evolution and Phylogenetics*. Oxford University Press. New York.
- Neuhaus, G. and Horn, R. 2004. Recombination: implications of single nucleotide polymorphisms for plant breeding in *Progress in Botany* vol. 65 K. Esser, U. Luttge, W. Beyschlag, and J. Murata (Eds.). Springer. Berlin. pp: 56-71.
- Ochiai, T., Nguyen, V. X., Tahara, M. and Yoshino, H. 2001. Geographical differentiation of Asian taro, *Colocasia esculenta* (L.) Schott, detected by RAPD and isozyme analyses. *Euphytica* 122: 219–234
- Onwueme, I. C. 1978. *The Tropical Tuber Crops : Yams, Cassava, Sweet Potato, Cocoyams*. John Wiley and Sons. New York.
- Onwueme, I. 1999. Taro Cultivation in Asia and The Pasific. RAP Publication. Bangkok. Thailand
- Oktavianingsih, L. 2009. Identifikasi Tumbuhan Talas Di Desa Batu Majang Kabupaten Kutai Barat Kalimantan Timur. *Jurnal Bioprospek*, 6 (I) ISSN 1829-7226
- Oktavianingsih, L., Suharyanto, E., Daryono, B.S and Purnomo 2017. Traditional Usages of Taro (*Colocasia spp.*) by Ethnic Communities in Borneo. *Biosaintifika* 9 (2) : 248-256
- Pabendon, M.B., Azrai, M.,Kasim, F., dan Mejaya, M.J. 2004. *Prospek Penggunaan Markah Molekuler dalam Pemuliaan Jagung*. Balai Penelitian Tanaman Serealia Maros. Balai Penelitian Tanaman Sayuran Lembang.
- Pandin, D.S. 2010. Penanda DNA untuk pemuliaan tanaman kelapa (*Cocos nucifera* L.). *Perspektif*, 9 : 21-35
- Park, Y.L W.S. Chow, and J.M. Anderson. 1997. Antena size dependency of photoinactivation of photosystem II in light –acclimated pea leaves. *Plant Physiology* 115 : 151-157
- Prajapati, R., Kalanya, M., Umbarkar, R., Pamar S. and Sheth. N. 2011. *Colocacia esculenta* a potential indigenous plant. *Int J. Nutr. Pharmacol Neurol Dis.* I (2) : 90
- Prana, M. S., Hartati, N. S., Prana, T. K. And Kuswara, T. 2000. Evaluation on Genetic Variation in Taro (*Colocasia esculenta* (L.) Schott) collected from West Java using Isozymic Marker. *Annales Bogorienses*. Vol. 6. No.2 : 80-87
- Prana M. S. 2007. Studi Biologi Pembungan pada Talas (*Colocacia esculenta* (L.) Scott. *Biodiversitas* Vol.9 No.1 : 63-66
- Prana, M.S., Hartati. N.S. and Prana, T.K. 2010. A study on Isozyme variation in The Indonesian taro (*Colocacia spp*) germplasm collection. Pp : 56-59. In Rao, V. R., Matthews, P. J., Eyzagulrre, P.B. and Hunter, D. (Eds). *The Global Diversity of Taro : Ethnobotany and Conservation*. Biodiversity International, Rome.
- Prana, T. K. and Hartati, S. 2003. Identifikasi Sidik Jari DNA Talas (*Colocacia esculenta* (L.) Schott Indonesia dengan teknik RAPD (*Random Amplified Polymorphic DNA*) : Skrining primer dan Optimalisasi Kondisi PCR. *Jurnal Natur Indonesia*. 5(2) : 107-112
- Prihatman, K. 2000. Talas. <http://www.ristek.go.id>. Diakses tanggal 3 Agustus 2014

- Priyatno, T. P. 2013. Percepatan Implementasi Program Pemuliaan melalui Pengelolaan Sumber Daya Genetik dan Analisis Genom. *Warta Plasma Nutfah Indonesia* No. 25
- Poczai, P and Hyvonen, J. 2010. Nuclear Ribosomal Spacer regions in Plant Phylogenetics: problems and prospects. *Mol. Biol. Rep.* 37 : 1897-1912
- 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
- Plucknett DL. 1976 *Edible Aroids : Alocacia, Colocacia, Cyrtosperma, Xanthosoma* In : Simmonds NW (ed) *Evolution of Crop plants*, Longman, London, pp 10-12
- _____. 1983 *Taxonomy of the Genus Colocacia* In : Taro A Review of *Colocacia esculenta* and its potentials, University of Hawaii Press
- Purnomo. 2013. *Biosistemika tanaman uwi (Dioscorea alata) di Indonesia berdasarkan kajian Morfologis, Anatomis dan Molekular*. Disertasi (tidak dipublikasikan). Fakultas Biologi. Universitas Gajah Mada
- Purseglove, J. W. 1972. *Tropical Crops : Monocotyledons*. Longman. London.
- Quach M. L., Melton L. D., Harris P.J., Burdon J.N., and Smith B. G. 2000. Cell wall compositions of raw and cooked corms of taro (*Colocasia esculenta*). *J Sci Food Agric* 81:311–318
- Quero-Garcia, J., Noyer, J. L., Perrier, X., Marchand, J. L. and Lebot, V. 2004. A germplasm stratification of taro (*Colocasia esculenta*) based on agromorphological descriptors, validation by AFLP markers. *Euphytica* 137: 387–395
- Quero-García, J., Courtois, B., Ivancic, A., Letourmy, P., Risterucci, A. M., Noyer, J. L., Feldmann, Ph. and Lebot, V. 2006. First genetic maps and QTL studies of yield traits of taro (*Colocasia esculenta* (L.) Schott). *Euphytica* 151:187–199
- Quero-García, J., Letourmy, P., Ivancic, A., Feldmann, P., Courtois, B., Noyer, J. L., and Lebot, V. 2009. Hybrid performance in taro (*Colocasia esculenta*) in relation to genetic dissimilarity of parents. *Theor Appl Genet* .119:213–221
- Quero-García, J., Invanvic, A. And Lebot, V. 2010. Taro and Cocoyam. In Bradshaw, J. E. (Eds). *Root and Tuber Crops*. Springer Science +Business Media.
- Radford, A.E. 1986. *Fundamentals of Plants Systematics*. Harper & R. Publisher, Inc, New York.
- Rais, S. A. 2004. Eksplorasi Plasma Nutfah Tanaman Pangan di Provinsi Kalimantan Barat. *Buletin Plasma Nutfah* 10 (1).
- Rao R. V., Matthews P. J., Eyzaguirre P. B., and Hunter D. 2010. Ethnobotany and global diversity of taro. In Rao, V.R., Matthews, P. J., Eyzaguirre, P. B. and Hunter, D. (Eds). *The Global Diversity of Taro ; Ethnobotany and Conversation*. Biodiversity International. Rome
- Rasnovi, S. 2004. Konsep spesies : Mengapa fenetik atau Filogenetik. *Floribunda* 2 : 138-143

- Rautner, M., Hardiono, M., and Alfred, R. J. (eds). 2005. Borneo : *Treasure Island at Risk*. WWF Jerman Frankfurt.
- Ridley, H. N. 1905. The Aroid of Borneo. *Journal of the Straits Branch of the Royal Asiatic Society*. 4 : 169-188
- Roos, M. C. *et al.* 2004. Species diversity and endemism of five major Malesian islands: diversity-area relationships. *J. Biogeogr.* 31: 1893-1908.
- Rugayah, Retnowati, A. Windadri, F. I. dan Hidayat, A. 2004. Pedoman Pengumpulan Data Keanekaragaman Flora : *Pengumpulan data Taksonomi*. Pusat Penelitian Biologi. Bogor. Indonesia
- Ruzin, S. E. 1999. *Plant Microtechnique and Microscopy*. Oxford University Press. Oxford USA.
- Saadu, R. O., Abdulrahman, A. A. and Oladele, F. A. 2009. Stomatal complex types and transpiration rates in some tropical tuber species. *African Journal of Plant Science* Vol. 3 (5), pp. 107-112
- Sambrook, J. Fritsh, E. F. and Maniatis, T. 1989. *Molecular cloning : a laboratory manual*. 2 nd ed. N. Y. Cold Spring Harbor Laboratory Press. New York.
- Sasikala, K and Kumari, M.R. 2014. *Colocasia affinis* (Araceae) - A new record for Kerala, India. *Int. J. Adv. Res. Biol.Sci.* 1(8): 01–04
- Sattler, R. and Rutishauser, R. 1997. The Fundamental Relevance of Morphology and Morphogenesis to Plant Research. *Annals of Botany* 80 : 571-582
- Serviss, B. E., McDaniel, S. T. and Charles T. Bryson. 2000. Occurrence, distribution and ecology of Alocacia, Caladium, Colocacia and Xanthosoma (Araceae) in the Southeastern United States. *SIDA, Contributions to Botany*. 19 (1) pp. 149-174
- Setyowati, M., Hanarida, H., dan Sutoro. 2007. Karakteristik Umbi Plasma Nutfah Talas (*C.esculenta*). *Buletin Plasma Nutfah* 13 (2).
- Sharma, K., Mishra, A.K., and Misra, R. J. 2008. The Genetic structure of taro : a comparison of RAPD and isozyme markers. *Journal Plant Biotechnol Rep* 2: 191-198
- . 2008. A simple and efficient method for extraction of genomic DNA from tropical crops. *African Journal of Biotechnology* 7 (8) : 1018-1022
- Singh, A.K. 2012. Molecular Taxonomy : Use of Modern Methods in the Identification of Species. *Indian J. L. Set* 2 (1) : 143-147
- Singh, S., Singh, D. R., Faseela, F., Kumar, N., Damodoran, V., and Srivastava, R. C. 2012. Diversity of 21 taro (*Colocacia esculenta* (L.) Schott) accessions of Andaman Islands. *Genet Resour Crop Evol.* 59 : 821-829
- Sneath, P. H. A. and Sokal, R. R. 1973. *Principles of Numerical Taxonomy*. W. H. Freeman and Co. San Francisco. London.
- Spriggs, M. 1982. Taro Cropping Systems in the Southeast Asian-Pacific Region: Archaeological Evidence. *Archaeology in Oceania*. 17 (1) : 7-15
- Stace, C. A. 1980. *Plant Taxonomy and Biosystematics*. Edward Arnold Limited. London.
- Strauss, M. S. 1983. Anatomy and Morphology of Taro, *Colocacia esculenta* (L.) Schott. In : In : Taro A Review of *Colocacia esculenta* and its potentials, University of Hawaii Press
- Sudarnadi, H. 1996. Tumbuhan Monokotil. Jakarta : Penebar Swadaya.

- Sulistiyono, E.D. Sopandie, M.A. Chozin, dan Suwarno. 1999. Adaptasi padi gogo terhadap naungan : pendekatan morfologi dan fisiologi. *Communication Agriculture* 4 (2) : 62-68
- Sumarno., dan Zuraida. N. 2008. Pengelolaan Plasma Nutfah Tanaman Terintegrasi dengan Program Pemuliaan. *Buletin Plasma Nutfah*. 14 (2) : 57-67
- Sunarti, T. C. dan Richana. 2003. Pemanfaatan Tepung Umbi Minor Indonesia sebagai tepung Komposit, *Prosiding Seminar Nasional Peningkatan Daya Saing Pangan Tradisional*. Bogor
- Suranto, H. 2003. Peran IPTEK Nuklir dalam Pemuliaan Tanaman untuk mendukung Industri Pertanian. Prosiding Pertemuan dan Presentasi Ilmiah Penelitian Dasar Ilmu Pengetahuan dan Teknologi Nuklir P3TM-BATAN.
- Susandarini, R. 2014. *Biosistemika pamelu (*Citrus maxima* (Burm.) Merr.) di Indonesia berdasarkan kajian Morfologis, Fitokimia dan Molekular*. Disertasi (tidak dipublikasikan). Fakultas Biologi. Universitas Gajah Mada.
- Soepandi, D., M.A. Chozin, S. Sastrosumardjo, T. Juhaeti dan Sahardi. 2003. Toleransi padi gogo terhadap naungan. *Hayati* 1 (2):71-75
- Sokal, R. R. 1986. Phenetic Taxonomy : Theory and Methods. *Ann. Rev. Ecol. Syst.* 17:423-42
- Syarif, S. 2015. Variasi genetik talas *Colocasia esculenta* (L.) Schott) di propinsi Sulawesi Tenggara berdasarkan karakter Morfologis dan Molekular Tesis (tidak dipublikasikan). Fakultas Biologi. Universitas Gadjah Mada, Yogyakarta.
- Taiz, L. and E.Zeiger. 1991. *Plant Physiology*. Tokyo: The Benyamin Cunming Publishing Company Inc.
- Tamura, K., D. Peterson, N. Peterson, G. Stecher, M. Nei, and S. Kumar. 2011. MEGA5 : Molecular Evolutionary Genetic Analysis Using Maximum Likelihood, Evolutionary Distance and Maximum Parsimony Methods. *Mol. Biol. Evol.* 28 (10) : 2731-2739.
- Tanimoto, T., Tsuchiya, H and Matsumoto, T. 1983. Geographical Variation in Morphological Character of Inflorescence in Taro (*Colocasia esculenta* Schott). *Japan. J. Breed.* 33(3) : 259-268
- Tingey, S.V., and Tufo, J. P. d. 1994. Genetic Analysis with Random Amplified Polymorphic DNA. *Plant Physiol* 101 : 349-352
- Trimanto, Sajidan dan Sugiyarto. 2010. Characterisation of taro (*Colocasia esculenta*) based on morphological and isozymic patterns markers. *Journal Bioscience* 2 (1): 7-14.
- Virk, P.S., Ford-Lloyd,B.V., Jackson, M.T., and Newbury, H.J. 1995. Use of RAPD for the study of diversity within plant germplasm collections. *Heredity* 74, 170-179
- Van Welzen, P. C., Slik J. W. F and Alahuhta, J. 2005. Plant distribution patterns and plate tectonics in Malesia. *Biol. Skr.* 55: 199-217.
- Vinutha, K. B., Asha Devi, A. and J. Sreekumar. 2015. Morphological Characterization of above Ground Characters of Taro (*Colocasia esculenta* (L.) Schott.) Accessions from North East India. *Journal of Root Crops*, Vol. 41 No. 1, pp. 3-11.

- Walujo, E.B. 2011. Keanekaragaman Hayati Untuk Pangan. Herbarium Bogoriense Pusat Penelitian Biologi Lembaga Ilmu Pengetahuan Indonesia. Kongres Ilmu Pengetahuan Nasional X. Jakarta.
- Webber, E. 1960. Observations on The Epidermal Structure and Stomatal Apparatus of Some members of the Araceae. *Rhodora*, Vol. 62, No. 741 pp. 251-258
- Whitkus, R., Doebley, J., and Wendel, J. F. 1994. *DNA-based markers in plants*. In: Phillips L, Vasil IK (eds) Nuclear DNA markers in systematics and evolution. Kluwer, Amsterdam, pp 116–141
- Wicaksono, K.P., Murniyanto, E. and Nakagoshi, N. 2010. Distribution of Edible Wild Taro (Aroid Plant) on The Different Altitude (Shouthern Slope of Wonogiri and Pacitan), *Agrivita* Vol 32.No.3
- Witono, J.R., 2003. Phenetic Study on Clustered Pinanga of Java and Bali. *Biodiversitas* (4) 1 : 38-42
- Witono, J. R., Konishi, T. and Kondo, K. 2008. DNA polymorphism of *Alocacia odora* and *A. cucullata* in Ishigaki Island, Japan generated by RAPD and ISSR markers and ITS nrDNA sequence data. *Chromosome botany* 3 : 11-18.
- Wu, Z and Raven, P. H. 2010. Flora of China. Sciences Press. Beijing.
- Xixiang, L., Di, S., Dewei, Z., Yongping, Y., Jianchu, X., Eyzaguirre, P. and Ayad, W. G. 2010. The Global Diversity of Taro : *Ethnobotany and genetic diversity of taro in Yunnan, China – analyses of diversity using multiple techniques*. Bioversity International. Rome. Italy.
- Yao, H., Song, J., Liu, C., Luo, K., Han, J., Li, Y., Pang, X., Xu, H., Zhu, Y., Xiao, P. and Chen, S. 2010. Use of ITS2 Region as the Universal DNA Barcode for Plants and Animals. *Plos One*. 5 (10)
- Yen, D.E. and Wheeler, J. M. 1968. Introduction of *C. esculenta* into the Pacific: the indications of the chromosome numbers. *Ethnology* 7 : 259–267
- You, Y., Liu, D., Liu, H., Zheng, X., Diao, Y., Huang, X., and Hu, Z., 2015. Development and characterisation of EST-SSR markers by transcriptome sequencing in taro (*Colocasia esculenta* (L.) Schoot). *Mol Breeding* 35:134
- Yu, L. X. and Nguyen, H. T. 1994. Genetic variation detected with RAPD markers among upland and lowland rice cultivars (*Oryza sativa* L.). *Theoretical and Applied Genetics* 87 (6) : 668-672.
- Zhu, F. 2016. Structure, properties, and applications of aroid starch. *Food Hydrocolloids* 52 : 378-392