

DAFTAR PUSTAKA

- Agbagwa, I. O. & Ndugku, B. C. 2004. The value of morpho-anatomical features in the systematics of *Cucurbita* L. (Cucurbitaceae) species in Nigeria. *African Journal of Biotechnology* 3 (10): 541-546
- Aggelis, A., John, I., & Grierson, D. 1997. Analysis of Physiological and Molecular changes in Melon (*Cucumis melo* L.) Varieties with Different Rates of Ripening. *Journal of Experimental Botany* 48 (308): 769-77
- Aprijani, & Elfaizi, M. A. 2004. Bioinformatika: Perkembangan Disiplin Ilmu dan Penerapannya di Indonesia. <http://www.gnu.org/copyleft/fdl.html>. Diakses 22 mei 2014
- Anonim. 2011. *Pedoman Penyusunan Deskripsi Varietas Hortikultura*. Jakarta: Dirjen Hortikultura Kementan
- Baxevanis, A.D. & Ovellette, B.F.F. 2005. *Bioinformatics A Practical Guide to the Analysis of Genes and Proteins*. 3rd ed. A John Willey and Sons, Inc. New Jersey, pp.3-81.
- Chase, M.W., Cowan, R.S., & Hollingsworth, P.M.. 2007. A proposal for a standardised protocol to barcode all land plants. *Taxon* 56(2): 295–299
- Clegg, M. T. & Durbin, M. L.. 1990. Molecular Approaches to the study of Plant Biosystematic, *Australian Syst. Bot.* 3: 1-8
- Cronquist, A. 1984. *An Integrated System of Classification of Flowering Plants*. New York: Columbia University Press
- Daryono, B.S. & Natsuaki, K.T. 2002. Application of random amplified polymorphic DNA markers for detection of resistant cultivars of melon (*Cucumis melo* L.) against cucurbit viruses. *Acta Horticulturae* 588: 321-329
- Daryono, B. S., Supriyadi, & Joko, T. 2013. Produksi dan Pengembangan Benih Gama Melon Kultivar Hikadi dalam Memperkuat Ketahanan Benih Nasional. *Proposal Riset Program Bantuan Dana Riset Inovatif-Produktif Lembaga Pengelola Dana Pendidikan (RISPRO LPDP)*
- Dick, C. W. & Kress, W. J. 2009. Dissecting tropical plant diversity with forest plots and a molecular toolkit. *Bioscience* 59: 745-755
- Eeles, R.A., & Stamps, A.C. .1993. *Polymerase Chain Reaction (PCR) : The Technique and Its Applications*. Landes Company. Texas, pp.1, 4-6
- Evans, L. T., *The Physiology Basis of Crop Yield*, in Evans, L. T. , (Ed). 1975. Some case histories hal. 327 – 550. London: Cambridge University Press
- Glick, B. R. & Pasternak, J. J. 1994. *Molecular Biotechnology, Principles and application of Recombinan DNA*. Washington DC: ASM Press

- Hebert, P.D.N., Cywinska, A., Ball, S.L., & DeWaard, J.R., 2003. Biological identifications through DNA barcodes. *Proc. R. Soc. London, Ser. B* :270-313
- Hidayat, T., Kusumawaty, D., Kusdianti, Yati, D. D., Muchtar, A. A., & Mariana, D. . 2008. Analisis Filogenetik Molekuler pada *Phyllanthus niruri* L. (Euphorbiaceae) Menggunakan Urutan Basa DNA Daerah Internal Transcribed Spacer (ITS). *JURNAL MATEMATIKA DAN SAINS, MARET 2008*, 13 (1): 16-21
- Hindarwati. 2006. Panduan Pengujian Individual Kebaruan, Keunikan, Keresagaman, dan Kestabilan: Melon (*Cucumis melo* L.). Departemen Pertanian Republik Indonesia: Pusat Perlindungan Varietas Tanaman.hal 8. <http://www.ppvt.setjen-deptan.go.id>. Diakses 14 Desember 2014
- Hollingsworth, P.M., Forrest L.L., Spouge, J.L., Hajibabaei M., & Ratnasingham, R. 2009. A DNA barcode for land plants. *Proc. Natl. Acad. Sci. USA*. 106: 12794-12797
- Hollingsworth, P.M., Graham, S.W., & Little, D.P.. 2011. Choosing and using a plant DNA barcode. *PLoS ONE* (6): e19254.
- Hubert, N. 2014. Introduce the Barcode of Life data system (BOLD). *Modul DNA Barcoding Training and Workshop*. Bogor : LIPI
- IPGRI. 2003. *Descriptors for Melon (*Cucumis melo* L.)*. Rome: International Plant Genetic Resources Institute
- Jarrel, D.C., & Clegg, M. T.. 1995. Systematic implications of the chloroplast-encoded *matK* gene on the tribe Vandeeae (Orchidaceae). *American Journal of Botany* 82: 137
- Jing, Y., Jian-Hua, X., & Shi-Liang, Z.. 2011. New Universal *matK* Primers for DNA Barcoding Angiosperms. *Journal of Systematics and Evolution*. 49: 176-181.
- Jusuf, M. 2001. *Genetika I Struktur dan Ekspresi Gen*. Bogor : Sagung Seto.
- Kolondam, B. J., Lengkong, E., Mandang, J. P., Pinaria, A., & Runtuuwu, S. .2012. Barcode DNA berdasarkan Gen *rbcL* dan *matK* Anggrek Payus Limondok (*Phaius tancarvilleae*). *JURNAL BIOSLOGOS*, 2(2) : 17-25
- Lahaye, R., Van der Bank, M., Bogarin, D, Warner, J., Pupulin, F., Gigot, G., Maurin, O., Duthoit, S., Barraclough, T.G., & Savolainen, V. 2008. DNA barcoding the floras of biodiversity hotspots. *Proc. Nat. Acad. Sci.*, 105(8): 2923-2928
- Lawodi, E. N., Tallei, T. E., Mantiri, F. R, & Kolondam, B. J. .2013. Variasi Genetik Tanaman Tomat dari Beberapa Tempat di Sulawesi Berdasarkan Gen *matK*. *Pharmacon, Jurnal Ilmiah Farmasi – UNSRAT* 2(4): 2302 – 2493

- Lemey P., Salemi M. & Vandamme A. M. .2009. *The Phylogenetic Handbook. Practical Approach to Phylogenetic Analysis and Hypothesis Testing*. Cambridge University Press
- Liu, Z., Zeng, X., Yang, D., Chu, G., Yuan, Z., & Chen, S. .2012. Applying DNA barcodes for identification of plant species in the family Araliaceae. *Journal homepage: www.elsevier.com/locate/gene. Gene* 499: 76–80
- Maryanto, S. D.. 2012. *Karakterisasi Morfologi dan Gen Pengkode Senyawa Volatil pada Tanaman Melon (*Cucumis melo* L.) Kultivar Gama Melon Parfum*. Tesis : Universitas Gadjah Mada
- Moreno, L. R., Gonzales V. M., Benjak, A., Marti, M. C., Puigdomenech, P., Marti, A. M. C., Puigdomenech, P., Miguel, A. & Mas, J. G.. 2011. Determination of the melon chloroplast and mitochondrial genome sequences reveals that the largest reported mitochondrial genome in plants contains a significant amount of DNA having a nuclear origin. <http://www.biomedcentral.com/1471-2164/12/424>. *BMC Genomics* 12 : 424
- Nicholl, D. S. T. 1994. *An Introduction to Genetic Engineering*. Cambridge: Cambridge University Press.
- Page, R. D. M. & Holmes, E. C. .1998. *Molecular Evolution : Aphylogenetic Approach*. Blackwell Science Pub.:USA
- Pereira, F., Carneiro, J. & Amorim, A.. 2008. Identification of species with DNA-base technology: current progress and challenges. *Resent Patents on DNA & Gene Sequences*, 2(3): 187-200
- Pigliucci, M., 1996. How Organisms Respond to Environmental Changes: From Phenotypes to Molecules (and Vice Versa). *TREE*, 4: 168 – 173
- Prihatman, K..2000. Melon (*Cucumis melo* L.). Kantor Deputi Menegristek Bidang Pendayagunaan dan Pemasyarakatan Ilmu Pengetahuan dan Teknologi, Jakarta. <http://www.ristek.go.id>. Diakses 9 Juni 2014
- Portnoy, V., Benyamini, Y., Bar, E., Harel-Beja, R., Gepstein, S., Giovanni, J.J., Schaffer, A.A., Burger, J., Tadmor, Y., Lewinsohn, E., & Katzir, N., 2008. The molecular and Biochemical basis for varietal variation in sesquiterpene content in melon (*Cucumis melo* L.) rinds. *Springer-Verlag* 66:647-661
- Rashidi, M & Seyfi, K. 2007. Classification of Fruit Shape in Cantaloupe Using The Analysis Geometrical Attributes. *Journal of Agricultural Sciences* 3(6): 735-740
- Royle, J.F.. 1839. Illustrations of the botany and other branches of the natural history of the Himalayan Mountains and of the flora of Cashmere. *Plates*. 2: 47

- Rybicky, E.P., Coyne, V.E., James, M.D., & Reid, S.J. 1996. *PCR primer design and reaction optimisation*. In *Molecular Biology Techniques Manual*. Dept. of Microbiology: Univ. Cape Town
- Robinson, R.W. & Decker-Walters, D.S. 1999. *Cucurbits*. CAB International, New York
- Romano, P.G.N., Horton, P., & Gray, J.E. 2004. The Arabidopsis Cyclophilin Gene Family. *Plant Physiology* 134:1268-1282
- Renner, S. S., Schaefer, H. & Kocyan, A.. 2007. Phylogenetics of Cucumis (Cucurbitaceae): Cucumber (*Cucumis sativus*) belongs in an Asian/Australian clade far from melon (*Cucumis melo*). *BMC Evolutionary Biology*. 7:58
- Sambrook, J., Fritsch, & Maniatis, T. 1989. *Molecular Cloning. A Laboratory Manual. Second edition*. Cold Spring Harbor Laboratory Press. New York. pp. 6,1-6,48
- Sobir, & Siregar, F. D.. 2010. *Budidaya Melon Unggul*. Jakarta: Penebar Swadaya
- Soltis, P. S., Soltis, D. E., & Doyle, J. J. .1998. *Molecular Systematics of Plants*. International Thomson Publishing: New York
- Sugita, M., Shinozaki, K., & Sugiura, M. 1985. Tobacco Chloroplast tRNA^{Lys}(UUU) Gene Contains a 2,5-kilobase-pair Intron. *Proceeding of the National Academy of Sciences*. 82: 3557-3561
- Swofford, D. L. & Sullivan, J. 2003. *Phylogeny inference based on parsimony and other methods using PAUP*, in *The Phylogenetic Handbook* (Salemi & Vandamm). Cambridge University Press.
- Tamura, K., Peterson, D., Peterson N., Stecher, G., Nei, M., & Kumar, S. 2011. MEGA 5: Molecular Evolutionary Genetics Analysis using Maximum Likelihood, Evolutionary Distance, and Maximum Parsimony methods. *Molecular Biology and Evolution* 28: 2731-2739
- Tjitrosoepomo, G. .1989. *Taksonomi Tumbuhan Spermatophyta*. Gadjah Mada University Press, Yogyakarta. hal. 379-380
- Wang, M., Zhao, H-x. Wang, L., Zang, R.W., Wang, X-l., Zhao, Y-h., Ding, C-b., & Zang, L.. 2013. Potential use of DNA barcoding for the identification of *Salvia* based on cpDNA and nrDNA sequences. *Journal homepage: www.elsevier.com/locate/gene*. *Gene* 528: 206–215
- Wang, Q., Hillwig, M.L., Wu, Y., & Peters, R.J. 2012. CYP701A8: A Rice ent-Kaurene Oxidase Paralog Diverted to More Specialized Diterpenoid Metabolism. *Plant Physiology* 158:1418-1425
- Witarto, A.B. .2003. *Bioinformatika: Mengawinkan Teknologi Informasi dengan Bioteknologi*. *Seminar Teknologi Informatika-MIFTA*. Bogor, hal 1-6

- Xue CY, Li DZ (2011) Use of dna barcode sensu lato to identify traditional Tibetan medicinal plant *Gentianopsis paludosa* (Gentianaceae). *J. Sys. Evol.* 49 (3): 267-270
- Yuwono, T. 2006. *Teori dan Aplikasi Polymerase Chain Reaction*. Penerbit Andi. Yogyakarta
- Zhang, C., Pratap, A. S., Natarajan S., Pugalendhi, L., Kikuchi, S., Sassa, H., Senthil, N. & Koba, T.. 2012. Evaluation of Morphological and Molecular Diversity among South Asian Germplasms of *Cucumis sativus* and *Cucumis melo*. <http://dx.doi.org/10.5402/2012/134134>. *ISRN Agronomy*. 2012: 11
- Zein, S. A., & Dewi, M. P..2013. *DNA Barcode Fauna Indonesia*. Jakarta: Prenada Media. hal. 9-25

- Gupta PK, Varshney RK, Sharma, PC, Ramesh B. 1999. Molecular markers and their application in wheat breeding. *Plant Breeding* 118:369-390.
- Nei, M. & Kumar. 2000. *Molecular Evolution and Phylogenetics*. Oxford University Press : UK
- Page, R.D.M.. 1996. TREEVIEW: An application to display phylogenetic trees on personal computers. *Computer Applications in the Biosciences* 12: 357-358.