DAFTAR PUSTAKA

Adisoemarto, S. 1988. *Genetika* Jilid 1. Erlangga. Jakarta

Ajijah, N. dan Bermawie, N. 2003. Pengaruh Kolkisin Terhadap Pertumbuhan dan Produksi Dua Tipe Kencur *(Kaempferia galanga* Linn.). *Jurnal Buletin TRO*. 14 (1)

Akbar, Ari. 2014. *Karakterisasi Fenotip Tanaman Stroberi* (*Fragaria* spp. "Festival") *Hasil Induksi Kolkisin Pada Konsentrasi 0,01%*. Laporan Seminar Fakultas Biologi Universitas Gadjah Mada. Yogyakarta

Akiyama, Y., Yamamoto, Y., Ohmido, N., Oshima, M., and Fukui K. 2001. Estimation of the nuclear DNA content of strawberry (*Fragaria* spp.) compared with *Arabidopsis thaliana* by using dual-step flow cytometry. *Cytologia*. 66: 431-436

Akopyanz, N., N.O. Bukanov, T.U. Westblom, and D.E. Berg. 1992. PCR-based RFLP analysis of DNA sequence diversity in the gastric pathogen Helicobacter pylori. *Nucleic Acids Research*. 20: 6221-6225

Albert B, Bray D, Lewis J, Raff M, Roberts K., 1991. *Molecular Biology of the Cell*. London

Aljanabi, S. M., Forget. L., and Dookun. A. 1999. An improved and rapid protocol for the isolation of polysaccharide and polyphenol-free sugarcane DNA. *Plant Molecular Biology Reporter*. 17:1-8

Amsalem L., Freeman S., Rav-David D., Nitzani J., Sztejnberg A., Pertot I., Elad Y. 2006. Effect of Climatic Factors on Powdery Mildew Caused by Sphaerotheca macularis f. sp. Fragariae on Strawberry. *European Journal of Plant Pathology*. 114 (3): 283–292

Andrey, L. M., Hsiang-Kai Lin., P. Mehta., and L. Jen-Jacobson, M. A. Trakselis. 2009. A trimeric DNA polymerase complex increases the native replication processivity. *Nucleic Acid Research.* England. 37:7194–7205.

Anggraito, U.Y. 2002. *Identifikasi Berat, Diameter, dan Tebal Daging Buah Melon (Cucumis melo,* L*) Varietas Action 434 Tetraploid Akibat Perlakuan Kolkisin.* Developed by Research And Development Agency Central Java Provincial. Semarang

Anonim. 2014. http://www.ncbi.nlm.nih.gov/probe/docs/techcaps/. Diakses 19 Oktober 2014

Aristya, G.R. 2013. Optimasi induksi poliploid pada tanaman stroberi (*Fragaria* spp. 'Festival' dan 'Californica'). *Jurnal Penelitian dan Pengembangan Pemerintah Daerah DIY*. 6 (10): 77-87

Aristya, G. R., dan B. S. Daryono. 2014. Karakter fenotipik tanaman stroberi Festival (*Fragaria* x *ananassa* D.) hasil induksi kolkisin pada konsentrasi 0,05% dan 0,01%. *Jurnal Ilmiah Biologi Biogenesis.* 2 (2): 70-78

Ayundai, Melin. 2014. *Karakter Fenotipik Tanaman Stroberi* (*Fragaria* x *ananassa* "Californica") *Hasil Induksi Kolkisin Pada Konsentrasi 0,1%*. Laporan Seminar Fakultas Biologi Universitas Gadjah Mada. Yogyakarta

BAPPENAS, 2000. *Tentang Stroberi (Fragaria chiloensis* L / *F. vesca* L.). http://www.ristek.go.id/. Diakses Januari 2014

Bintang, M. 2010. *Biokimia: Teknik Penelitian*. Erlangga. Jakarta

Budiman, S. dan D. Saraswati. 2005. *Berkebun Stroberi Secara Komersial*. Penebar Swadaya. Jakarta

Boland G. J., Melzer M. S., Hopkin A., Higgins V., Nassuth A. 2004. Climate change and plant diseases in Ontario. *Canadian Journal of Plant Pathology*. 26: 335–350

Cai, B., Zhang, J., Gao, Z., Qu, S., Tong, Z., Mi, L., Qiao, Y., & Zhang, Z. 2008. An important method for isolation of total RNA from the leaves of Fragaria spp. *Jiangsu Journal of Agriculture Science*. 24(6): 875-877

Campbell, N.A., J.B. Reece, L.G. Mitchell. 2000. *Biologi*. Edisi 8. Penerbit Erlangga; Jakarta

Cohen, R., Leibovich, G., Shtienberg, D., Paris, H., 2007. Variability in the reaction of squash (*Cucurbita pepo*) to inoculation with Sphaerotheca fuliginea and methodology of breeding for resistance. *Plant pathology*. 42:510-516

Corkill, G., and Rapley, R. 2008. *The Manipulation of Nucleic Acids: Basic Tools and Techniques*. In: Molecular Biomethods Handbook Second Edition. Ed: Walker, J.M., Rapley, R. Humana Press. NJ. USA.

David, R. J. 1989. *Biochemistry*, International Edition. ISBN 0-89278-405-9

Demchak, K. 2013. *The Mid-Atlantic Berry Guide*: *for Commercial Growers*. Pennsylvania State University in cooperation with Rutgers University, University of Delaware, University of Maryland, Virginia Tech, West Virginia University. USA. p: 50

Deputi Menteri Negara Riset dan Teknologi. 2000. *Stroberi*. www.warintek.ristek.go.id. Diakses Januari 2014

Doyle, J. J and Doyle Doyle, J. L. 1990. Isolation of plant DNA from fresh tissue. *Focus*. 12: 13-15

Duchesne, A. N. 1766. *Histoire Naturelle des Fraisiers*. Paris

FAO. 2010. *United National Food and Agricultural Statistical Database*. http://faostat.fao.org/site/339/default.aspx. Diakses Oktober 2014

Fatchiyah., Arumingtyas. E. L., Widyarti. S., dan Rahayu, S. 2011. *Biologi Molekular Prinsip Dasar Analisis*. Erlangga. Jakarta

Gardner, E.J., and D.P. Snustad. 1984. *Principles of Genetics* 7th ed. John Wiley and Sons, Inc. New York. pp: 480-482.

Gayo. B. 2009. *Stroberi*: *Si Merah Mungil Penebar Wangi*. http://www.waspada.co.id. Diakses Januari 2014

Hall A. M., Dodgson J. L. A., Farooq M. 2008. Comparison of Podosphaera macularis and P. aphanis and the role of chasmothecia on strawberries. *Journal of Plant Pathology*. 90(2): S2.161.

Handoyo, D., dan A. Rudiretna. 2000. *Prinsip umum dan pelaksanaan polymerase chain reaction (PCR)*. Unitas, Vol. 9, No. 1, September 2000 - Februari 2001. Hal 17-29

Hanif, Z. & H. Ashari. 2013. *Sebaran Stroberi (Fragaria x ananassa) di Indonesia. Balai penelitian tanaman jeruk dan buah subtropika*. Kota Batu, Malang

Hartl, D. L., and E. J. Jones. 1998. *Genetics: Principles and Analysis*. Jones and Bartlett Publishers. Sudburry, Massachusetts

Hetharie, H. 2003. *Perbaikan Sifat Tanaman Melalui Pemuliaan Poliploidi*. http://www.Poliploidi.ac.id. Diakses januari 2014

Horimoto T, Kawaoka Y. 2005. Influenza: Lessons from the past pandemics, warning from current incidents. *Nature Rev Microbiol*. 3(8): 591-600

Hummer, K. E., and Hancock, J. H. 2009. Strawberry genomics: botanical history, cultivation, traditional breeding, and new technologies, Chap. 11. In: Folta KM, Gardiner SE (eds) Plant genetics and genomics of crops and models, Genetics and genomics of Rosaceae. *Springer, Germany*. 6: 413-435

Indrioko, S., O. Gailing., and R. Finkeldey. 2006. Molecular phylogeny of Dipterocarpaceae in Indonesia based on chloroplast DNA. *Plant Systematics and Evolution*. 261: 99-115

Integrated DNA Technologies. 2011. *The Polymerase Chain Reaction*. https://www.idtdna.com/pages/docs/educational-resources/the-polymerase-chain-reaction.pdf?sfvrsn=4. Diakses Mei 2015

Jusup, M. 1988. *Genetika I; Struktur dan Ekspresi Gen*. IPB. Bogor

Khoiroh, R. 2015. *Karakterisasi Kromosom Stroberi (Fragaria vesca L. subsp. Californica Cham. & Schltdl. cv. Californica) Hasil Poliploidisasi*. Naskah Skripsi. Fakultas Biologi Universitas Gadjah Mada. Yogyakarta

Konieczny A, Ausubel FM. 1993. A procedure for mapping Arabidopsis mutations using co-dominant ecotype-specific PCR-based markers. *Plant J.* Aug. 4(2):403-10

Kunihisa, M., Fukino, N., Matsumoto, S., 2003. Development of cleavage amplified polymorphic sequence (CAPS) markers for identification of strawberry cultivars. *Euphytica*. 134: 209–215

Kunihisa, M., Fukino, N., Matsumoto, S., 2005. CAPS markers improved by cluster-specific amplification for identification of octoploid strawberry (Fragaria×ananassa Duch.) cultivars, and their disomic inheritance. *Theor. Appl. Genet*. 110: 1410–1418

Kunihisa, M., Ueda, H., Fukino, N., Matsumoto, S., 2009. DNA marker for identification of strawberry (Fragaria×ananassa Duch.) cultivars based on probability theory. *J. Jpn Soc. Horticult*. Sci. 78: 211–217

Kurnia, A. 2005. *Petunjuk Praktis Budi Daya Stroberi*. Agromedia Pustaka. Jakarta

Li, D. 2001. The method of extracting total RNA from plants with plenty of secondary products. *Journal of Nanjing University of Science and Technology*. 25(5): 547-549

Listiawan, D.A., E. Indraningsih., A. P Septantri., A. J. Wibowo., U.W. J. Darojat., dan B.S. Daryono. 2009. Potensi Ekstrak Etanolik Daun Tapak dara (Catharanthus roseus (L.) D. Don) Sebagai Alternatif Pengganti Kolkhisin Poliploidisasi Tanaman. *Jurnal Biologi Indonesia*. 5: 423-430.

Liu, Dongyou. 2008. Preparation of Listeria monocytogenes Specimens for Molecular Detection and Identification. *International Journal of Food Microbiology*. 122 : 299 – 242.

Maas J. L. 1998. *Compendium of strawberry diseases*. 2nd ed. American Phytopathological Society Press. St. Paul. Minn

Maliyakal, E. J. 1992. An efficient method for isolation of RNA and DNA from plants containing polyphenolics. *Nucleic Acids Research*. 20: 2381

Matsumoto, A. and Y. Tsumura. 2004. Evaluation of cleaved amplified polymorphic sequence markers. *Theoretical and Applied Genetics*. 110: 80–91

Michaels, S.D., and R.M.A. Amasino. 1998. A robust method for detecting single nucleotide changes as polymorphic markers by PCR. *Plant Journal*. 14: 381–385

Nathewet P., Hummer K.E., Yanagi T., Iwatsubo Y. & Sone K.. 2010. Karyotype analysis in octoploid and decaploid wild strawberries in Fragaria (Rosaceae). *Cytologia*. 75: 277-288

Neff, M.M., J.D. Neff, J. Chory, and A.E. Pepper. 1998. dCAPS, a simple technique for the genetic analysis of single nucleotide polymorphisms: experimental applications in Arabidopsis thaliana genetics. *Plant Journal*. 14: 387–392

Nkongolo, K.K., K. Klimaszewska, W. S. Gratton. 1998. DNA yields and optimization of RAPD patterns using spruce embryogenic lines, seedlings, and needles. *Plant Mol. Biol Reporter* 16: 1–9

Padmalatha, K., and Prasad, M. N. V. 2006. Optimization of DNA isolation and PCR protocol for RAPD analysis of selected medicinal and aromatic plants of conservation concern from Peninsular India. *African Journal of Biotechnology*. 5: 230-240

Petit, R., S. Brewer, S. Bordács, K. Burg, R. Cheddadi, E. Coart, J. Cottrell, U. Csaikl, B. van Dam, D. Deans, S. Espinel, S. Fineschi, R. Finkeldey, I. Glaz, P.G. Goicoechea, J.S. Jensen, A.O. König, A.J. Lowe, S.F. Madsen, G. Mátyás, R.C. Munro, F. Popescu, D. Slade, H. Tabbener, S.G.M. de Vries, B. Ziegenhagen, J.L. de Beaulieu, and A. Kremer. 2002. Identification of refugia and post-glacial colonisation routes of European white oaks based on chloroplast DNA and fossil pollen evidence. *Forest Ecology and Management*. 156: 49-74

Petit, R., U. Csaikl, S. Bordács, K. Burg, E. Coart, J. Cottrell, B. van Dam, D. Deans, S. Dumolin-Lapègue, S. Fineschi, R. Finkeldey, A. Gillies, I. Glaz, P.G. Goicoechea, J.S. Jensen, A.O. König, A.J. Lowe, S.F. Madsen, G. Mátyás, R.C. Munro, M. Olalde, M.-H. Pemonge, F. Popescu, D. Slade, H. Tabbener, D. Taurchini, S.G.M. de Vries, B. Ziegenhagen, and A. Kremer. 2002. Chloroplast DNA variation in European white oaks. Phylogeography and patterns of diversity based on data from over 2600 populations. *Forest Ecology and Management*. 156: 5-26

Philips T. 2010. *Restriction Enzymes Explained.* http://biotech.about.com/od/proteinengineering/a/restrictenz.htm. Diakses Mei 2015

Prihartman, K. 2006. *Teknologi Budidaya Tanaman Pangan Arbei (Stroberi).* http://www.IPTEK.net.go.id/BAPPENAS/2000/2.htm. Diakses Januari 2014

Reuveni, R., and Reuveni, M. 1998. Foliar-fertilizer therapy-a concept in integrated pest management. *Crop protection.* 17: 111-118.

Rousseau-Gueutin M., Gaston A., Aïnouche A., Aïnouche M.L., Olbricht K., Staudt G., Richard L. & Denoyes-Rothan B., 2009. Tracking the evolutionary history of polyploidy in Fragaria L. (strawberry): new

insights from phylogenetic analyses of low-copy nuclear genes. *Molecular Phylogenetics & Evolution*. 51: 515-530.

Rukmana, R. 1998. *Stroberi Budidaya dan Pascapanen*. Kanisius, Yogyakarta

Sambrook, J., and David, W. R. 2001. *Molecular Cloning: A Laboratory manual.* 3rd ed. Cold Spring Harbor: Cold Spring Harbor Laboratory Press. ISBN 0-87969-309-6

Sargent, D. J., Clarke. J., Simpson, D.W, Tobutt, K. R, Arus. P., Monfort, A., Vilanova, S.,Denoyes-Rothan, B., Rousseau, M., Folta, K. M., Bassil, N. V., and Battey, N. H. 2006. An enhanced microsatellite map of diploid *Fragaria*. *Theoretical and Applied Genetics*. 122: 1349-1359

Sato, S. 1978. A single cleavage of Simian virus 40 (SV40) DNA by a site specific endonuclease from *Thermus aquaticus*, *Taq* I. *J. Biochem.* Tokyo. 83 (2): 633–5

Scheinderbauer, A., Sandernann, H., & Ernst, D. 1991. Isolation of functional RNA from plant tisuues rich in phenolic compounds. *Anal Biochem*. 197(1): 91-95. http://dx.doi.org/10.1016/0003-2697(91)90360-6

Sharma, A. D., Gilla, P. K., and Singh, P. 2002. DNA isolation from dry and fresh samples of polysaccharide-rich plants. *Plant Molecular Biology*. 5: 69-76

Sistina, Y. 2000. *Biologi reproduksi.* Fak. Biologi UnsoedPasca – Sarjana. Purwokerto

Sleper, D. A and J. M. Poehlman. 2006. *Breeding Field Crops*. Blackwell. Publisher. Iowa. 424 pp

Srivastava, M.L. 2008.*Bioanalytical Techniques*.Alpha Science International LTD. Oxford. Hal 113 – 121, 309 – 320.

Strand, L. L. 2008. Integrated Pest Management For Strawberries. Second Edition. *The Regents of the University of California*. USA

Staudt, G. 1999. Notes on Asiatic *Fragaria* species: *Fragaria nilgerrensis* Schltdl. ex J. Gay. Bot. Jahrb. *Syst*. 121:297-310

Suryo. 1995. *Genetika untuk strata 1*. Gadjah Mada University Press: Yogyakarta. Hal 57-85

Surzycky, S. 2000. Basic techniques in Molecular Biology. *Springer-Verlag*. Berlin, Heidelberg, New York

Susianti, Ana. 2014. *Karakter Fenotipik Tanaman Stroberi* (*Fragaria vesca* "Festival") *Hasil Induksi Kolkisin Konsentrasi 0,05%.* Laporan Seminar Fakultas Biologi Universitas Gadjah Mada. Yogyakarta

Ulfah, Maria. 2014. *Karakterisasi Fenotip Tanaman Stroberi* (*Fragaria* Spp. "Californica") *Hasil Induksi Kolkisin Pada Konsentrasi 0,05%*. Laporan Seminar Fakultas Biologi Universitas Gadjah Mada. Yogyakarta

Vandepoel K., C. Simillion and Y. Van de Peer. 2003. Evidence That Rice and Other Cereals Are Ancient Aneuploids. *The Plant Cell*. 15: 2192-2202

Welsh, J. P, dan J. P. Mogena. 1991. *Dasar-Dasar Genetika dan Pemuliaan Tanaman*. Erlangga. Jakarta. Hal: 44-47

Yanagi, T., Hummerb, K.E., Iwataa, T., Sonec, K, Natheweta, P., Takamuraa, T. 2010. Aneuploid strawberry (2n=8x + 2 = 58) was developed from homozygous unreduced gamete (8x) produced by second division restitution in pollen. *Scientia Horticulturae*. 125: 123-128

Yuwono, T. 2005. *Biologi Molekular*. Erlangga. Jakarta

Zhang, Z., Fukino, N., Mochizuki, T., and Matsumoto, S. 2003. Single-copy RAPD marker loci undetectable in octoploid strawberry. *J Hort Sci Biotechnol*. 78:689-694

Zulfahmi, 2013. Penanda DNA Untuk Analisis Genetik. *Agroteknologi*. 3 (2): 41-52