

DAFTAR PUSTAKA

- Adams, M., C. Field and J. Venter. 2012. *Automated DNA Sequencing and Analysis*. Burlington: Elsevier Science.
- Allers, T., and M. Lichten. 2000. A method for preparing genomic DNA that restrains branch migration of holliday junction. *International Nucleic Acid Research* 28 (2) : 1-7.
- Anonim 2. 2016. Food And Agriculture Organization Of The United Nations Statistics Division. <http://faostat3.fao.org/browse/Q/QC/E>. Diakses tanggal 5 November 2016.
- Anonim 3. 2017. *DNA Sequencing*. <https://www.ocf.berkeley.edu/~edy/genome/sequencing.html> diakses pada 21 September 2017.
- Anonim 4. 2017. *Sequencing DNA using dye terminators*. <https://di.uq.edu.au/community-and-alumni/sparq-ed/sparq-ed-services/sequencing-dna-using-dye-terminators> Diakses pada 12 September 2017.
- Anonim 5. 2010. *Applied Biosystems 3500/3500xL Genetic Analyzer User Guide*. Life Technologies Corporation. California. Pp. 259-264.
- Anonim 6. 2006. *SYBR Safe™ DNA Gel Stain*. Molecular Probes Inc. 29851 Willow Creek Road Eugene, OR 97402.
- Anonim. 2016. Natural Resource Conversation Service. <https://plants.usda.gov/java/ClassificationServlet?source=profile&symbol=F RAGA&display=31>. Diakses tanggal 5 November 2016.
- Antanaviciute, L. 2016. Genetic mapping and phenotyping plant characteristics, fruit quality and disease resistance traits in octoploid strawberry (*Fragaria × ananassa*). Thesis.
- Aristya, G. A., dan R. D. Perwitasari. 2014. *Deteksi gen ketahanan terhadap powdery mildew pada melon (*Cucumis melo* L.) Hasil persilangan resiprok indukan action 434 dan PI 371795*. Fakultas Biologi Universitas Gadjah Mada. Yogyakarta.
- Asalf, B., D. M. Gadoury, A. M. Tronso, R. C. Seem, A. Dobson, N. A. Peres and A. Stensvand. 2014. Ontogenic resistance of leaves and fruit, and how leaf folding influences the distribution of *powdery mildew* on strawberry plants colonized by *Podosphaera aphanis*. *Phytopathology* 104:954-963.
- Azmat, M., I. Khan, H. Cheema, I. Rajwana, A. Khan and A. Khan. 2012. Extraction of DNA suitable for PCR applications from mature leaves of *Mangifera indica* L. *Journal of Zhejiang University SCIENCE B*, 13(4), pp.239-243.
- Beckmann, J. S., and T.C. Osbor. 1992. *Plant Genomes: Methods for Genetic and Physical Mapping*. Springer. p: 5
- Bolda, M., and T. K. Steven, 2015. *Powdery mildew of Strawberry*. California Strawberry Commission. San Francisco. 12. pp. 1-4.
- Bowden, R., 2015. *Florida fruit & vegetable gardening*. Minneapolis: Cool Sping Press, p.253.
- Brahm, R., B. Ueno and R. Oliveira. 2005. *Reação de cultivares de morangueiro ao oídio sob condições de casa de vegetação*. The Revista Brasileira de Fruticultura. 27(2).

- Braun, U., R. T. A. Cook, A. J. Inman and H. D Shin. 2002. *The taxonomy of the powdery mildew fungi*. In: *The powdery mildews: a comprehensive treatise*. Pp. 13 – 55.
- Brody, J. and S. Kern. 2004. History and principles of conductive media for standard DNA electrophoresis. *Analytical Biochemistry*, 333(1), pp.1-13.
- Budiman, S., dan D. Saraswati. 2005. *Berkebun Stroberi Secara Komersial*. Penebar Swadaya. Jakarta.
- Burns, M., R. Sanders and A. Burrell. 2016. Strawberry and Raspberry Fruit Differentiation Using the Agilent CE 2100 Bioanalyzer. *Agilent Technologies*. Middlesex.
- Calderón-Cortés, N., M. Quesada, H. Cano-Camacho and G. Zavala-Páramo. 2010. A simple and rapid method for DNA isolation from xylophagous insects. *International Journal Molecular Science*. 11 : 5056-5064.
- Carsono, N. 2008. Peran Pemuliaan Tanaman dalam Meningkatkan Produksi Pertanian di Indonesia. *Agro-biological Sci. (NIAS)*. Pp. 1-8.
- Chandler C.K., D.E. Legard and D.D. Dunigan. 2000. ‘Earlibrite’ Strawberry. *Plant Pathology*. P. 126.
- Chandler C.K., T. Temple and Fla. 1997. Strawberry plant called ‘Rosa Linda’. United States Patent.
- Chawla, H. S., 2003. *Plant Biotechnology: A Practical Approach*. Science Publishers. Enfield.
- Clark, W., and K. Christopher. 2008. *An Introduction to DNA: Spechtrophotometry, Degradation, and the “Frangekel” Eksperimen*.
- Corke, A. T. K., and V. W. L. Jordan. 1978. *Powdery mildew of strawberries*. In: *The Powdery mildews*. Pp 355 – 358.
- Cseke, L.J., A. Kirakosyan, P. B. Kaufman & M. V. Westfall. 2011. *Handbook of Molecular and Cellular Methods in Biology and Medicine*. CRC Press. Boca Raton. p: 7.
- Darrow, G. M. 1966. *The Strawberry: History, Breeding and Physiology*. New York. Holt, Rinehart and Winston.
- Daryono, B.S., R.S, Kasiamdari., E, Suyanto dan G.R, Aristya. 2013. Seleksi Ketahanan Kultivar Tanaman Melon (*Cucumis melo l.*) terhadap Jamur Tepung (*Powdery mildew*) Isolat Ngawi. *Jurnal Penelitian dan Pengembangan*, V (8). Pp. 15-30.
- Doyle, J.J and J.L. Doyle. 1987. “A rapid DNA isolation procedure for small quantities of fresh leaf tissue”. *Phytochem. Bull.* 19 : 11-15.
- Evenson, W., L. Boden, K. Muzikar and D. O’Leary. 2012. ¹H and ¹³C NMR Assignments for the Cyanine Dyes SYBR Safe and Thiazole Orange. *The Journal of Organic Chemistry*, 77(23), pp.10967-10971.
- Farrel, R. E. 2010. *RNA Methodologies*. Academic Press. London. p: 615.
- Finn, C.E., C. S. Bernadine and P. M. Patrick. 2014. *Strawberry Cultivars for Western Oregon and Washington*. Washington State University. Washington.
- Francl, L.J. 2001. The Disease Triangle: A plant pathological paradigm revisited. *The Plant Health Instructor*.
- Gadoury, D. M., A. Stensvand, R. C. Seem, C. Heidenreich, M. L. Herrero and M. Welser. 2007a. Overwinter and survival of cleistothecia, ascospore release and infection of strawberry by *Podospaera macularis* in New York and Norway. *Phytopathology* 97: S38.

- Gadoury, D. M., A. Stensvand, R. C. Seem, C. Heidenreich. 2007b. Ontogenic resistance of leaves, leaf folding and the distribution of mildew colonies in strawberry powdery mildew (*Podosphaera macularis*). 2007. *Phytopathology*. 97: S38.
- Glick, B.R., J. J. Pasternak, C. L. Patten. 2010. *Molecular Biotechnology: Principles and Applications of Recombinant DNA* (4 ed.). Washington, DC: ASM Press. pp. 117–118.
- Gupta, P., R. Varshney, P. Sharma and B. Ramesh. 1999. Review Molecular markers and their applications in wheat breeding. *Plant Breeding*, 118 (5), pp.369-390.
- Hancock J.F., J. J. Luby. 1993. Genetic resources in our doorstep: the wild strawberries. *BioScience* 43 (3): 141–147.
- Hanif, Z. dan H. Ashari. 2013. *Sebaran Stroberi (Fragaria x ananassa) di Indonesia*. Balai Penelitian Tanaman Jeruk dan Buah Subtropika. Kota Batu.
- Harland S.C., and E. King. 1957. Inheritance of mildew resistance in *Fragaria* with special reference to cytoplasmatic effects. *Heredity*. 11, p. 257.
- Henry, R. 2008. *Plant genotyping II: SNP Technology*. Wallingford, U.K.: CABI, pp.219-231.
- Hernandez, P., R. L. Rosa, G. Rallo, Dorado, and A. Martin. 2001. Development of SCAR markers in olive (*Olea europea*) by direct sequencing of RAPD products: applications in olive germplasm evaluation and mapping. *Theoretical and Applied Genetics*, 103: 788–791.
- Heru. 2017. Wawancara Langsung Pada Petani Stroberi Karanganyar.
- Hosseinpour, N. A., and G. H. Nematadeh. 2013. Introducing a new method of genomic DNA extraction in dicotyledonous plants. *Scholarly Journal of Agricultural Science* Vol. 2(6), pp. 242-248.
- Howard, C. M. 1994. Strawberry plant called ‘Sweet Charlie’. United States Patent.
- Hsu C. S., R. Watkins, A. T. Bolton and L. P. S. Spangelo. 1969. Inheritance Of Resistance to *Powdery mildew* in the Cultivated Strawberry. *Canadian Journal of Genetics and Cytology*. 11(2): 426-438
- Hummer, K. E., and J. Janick. 2009. *Rosaceae: Taxonomy, Economic Importance, Genomic*. Springer. UK.
- Hummer, K. E., N. Bassil., & W. Njuguna. 2011. *Fragaria*. Springer. USA.
- Inayati, E. 2015. *Hubungan Kekerabatan Sembilan Kultivar Stroberi (Fragaria spp.) Berdasarkan Karakter Anatomis dan Morfologis*. Skripsi. Fakultas Biologi UGM. Yogyakarta.
- Irmawati. 2003. *Perubahan Keragaman Genetik Ikan Kerapu Tikus Generasi Pertama Pada Stok Hatchery*. Thesis. Bogor: IPB.
- Izsak, E., and S. Izhar. 1991. *Strawberry plant Dorit*. United States Patent.
- Japelaghi R., R. Haddad and G. Garoosi 2011. Rapid and Efficient Isolation of High Quality Nucleic Acids from Plant Tissues Rich in Polyphenols and Polysaccharides. *Molecular Biotechnology* 49: 1–9.
- Je, H. J., J. W. Ahn, H. S. Yoon, M. K. Kim., J. S. Ryu, K. P. Hong, S. D. Lee and Y. H. Park. 2015. Development of Cleaved Amplified Polymorphic Sequence (CAPS) Marker for Selecting *Powdery mildew*-Resistance Line in Strawberry (*Fragaria* × *ananassa* Duchesne). *Korean Journal of Horticulture Science and Technology*. 33 (5): 722-729.

- Judd W. S., C. S. Campbell, E. A. Kellog and P. F. Stevens. 1999. *Plant Systematics – a phylogenetic approach*. Sinauer Associates, Sunderland.
- Kaidah, S., dan Suprpto. 2003. *Penentuan Metode Isolasi DNA Tanaman Salak*
- Kalyankar, V. B., U. B. R. Khedkar, G. D., Gupta, A. K., Tiknaik, A. D., Jamdade, R. A., Nalage, D. N. and Khedkar, T. S. 2012. Universal Protocol for Nucleic Acid Purification for Plant Taxa. *Multilogic in Science*. 2(3), pp 11-14.
- Lever, M.A., A. Torti, P. Eickenbusch, A. B. Michaud, T. Šantl-Temkiv and B. B. Jørgensen. 2015. A modular method for the extraction of DNA and RNA, and the separation of DNA pools from diverse environmental sample types. *Frontiers in Microbiology* 6 (476) : 1-25
- Lifshitz, C., D. Nadav, S. Noa, S. Sara, T. Zecharia, E. Yiga and D. Nir. 2007. Inheritance of Powdery Mildew Resistance in Strawberry Lines from the Israeli Germplasm Collection. *NASS / NASGA PROCEEDINGS*. Pp. 74-76.
- Maas J. L. 1998. *Compendium of strawberry diseases*. 2nd ed. American Phytopathological Society Press, St. Paul. Minn, USA, 128 p.
- MacArthur W.B., W.B. Sheat and N.C. Foster. 1998. *Meeting The Challenge of Methyl Ester Sulphonate*. The Chemithon Corporation. USA.
- MacLachlan, J. B. 1978. Data on the inheritance of resistance to powdery mildew in the cultivated strawberry. *Journal of Scientia Horticultura*. (8) pp : 43-49.
- Madhad, V. J., and K. P. Sentheil. 2014. The rapid & non-enzymatic isolation of DNA from the human peripheral whole blood suitable for genotyping. *Journal of Biotechnology and Bioscience* 1 (3) : 01-16.
- Madruga M. H., D. K. Moscatello, D. R. Emlet, R. Dieterich and A. J. Wong. (1997). Grb2 associated binder mediates phosphatidylinositol 3-kinase activation and the promotion of cell survival by nevre growth factor. *Proc. Natl. Acad. Sci.* Vol. 94, pp. 12419–12424.
- Masny, A., S. Masny, E. Żurawicz, K. Pruski, and W. Mądry. 2016. Suitability of certain strawberry genotypes for breeding of new cultivars tolerant to leaf diseases based on their combining ability. *Euphytica*, 210(3), pp.341-366.
- Moran, L., M. E Mirault, A. Tissières, J. Lis, P. Schedl, S. Artavanis-Tsakonas and W. Gehring. 1979. Physical Map of Two *D. melanogaster* DNA Segments Containing Sequences Coding for the 70,000 Dalton Heat Shock Protein. *Cell*. (17) pp:1-8.
- Moreira, P., and D. Oliveira. 2011. Leaf age affects the quality of DNA extracted from *Dimorphandra mollis* (Fabaceae), a tropical tree species from the Cerrado region of Brazil. *Genetics and Molecular Research*, 10(1), pp.353-358.
- Munger, G. T. 2006. "*Fragaria vesca*". *Fire Effects Information System*. U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, Fire Sciences Laboratory.
- Munger, G. T. 2006. "*Fragaria vesca*". *Fire Effects Information System*. U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, Fire Sciences Laboratory.
- Nairne, A. K. 2006. *Scientific Classification of Flowering Plants*. Discovery Publish House. New Delhi.
- Nusantari, E. 2015. *Genetika, Belajar Genetika dengan Mudah dan Komprehensif*. Deepublish. Yogyakarta.

- Paran, I. and R.W. Michelmore. 1993. Development of reliable PCR-based markers linked to downy mildew resistance genes in lettuce. *Theoretical and Applied Genetics*, (85) pp: 985–999.
- Peries, O. S. 1962a. Studies on strawberry mildew, caused by *Sphaerotheca macularis* (Wallr. Ex. Fries) Jaczewski: I. Biology of the fungus. *Annals of Applied Biology* 50: 211 – 224.
- Peries, O. S. 1962b. Studies on strawberry mildew, caused by *Sphaerotheca macularis* (Wallr. Ex. Fries) Jaczewski: II. Host-parasite relationships on foliage of strawberry varieties. *Annals of Applied biology* 50: 225 – 233.
- Pierron-Darbonne, A. 2009, Strawberry plant named ‘Cristal’. Plantas De Navarra, S.A. Patents.
- Poling, E. B. 2012. *Strawberry Plant Structure and Growth Habit*. NC State University. Raleigh NC.
- Purwantara, A. 2001. *Principles of DNA Isolation and Manipulation. Workshop on Plant Pathogens Detection by Molecular Techniques*.
- Reddy, P. P., 2016. *Sustainable Crop Protection under Protected Cultivation*. Springer. Bangalore. P.254.
- Reece, J. and N. Campbell. 2011. *Campbell biology*. Boston: Benjamin Cummings Pearson.
- Rogers, K. 2011. *New Thinking about Genetics*, New York: Britannica Educational Publishing, p. 132.
- Sahu, S.K., M. Thangaraj, and K. Kathiresan. 2012. DNA extraction protocol for plants with high levels of secondary metabolites and polysaccharides without using liquid nitrogen and phenol. *Journal of Molecular Biology* pp: 1-6.
- Sambrook J, Russell DW. 2001. *Molecular Cloning: A Laboratory Manual* 3rd edition. Laboratory Pr. New York.
- Santosa, A.A. 2011. Pengelolaan Pembibitan Stroberi Di Vin’s Berry Park, Cisarua, Bandung Barat, Jawa Barat. *Skripsi*. Fakultas Pertanian. Institut Pertanian Bogor. Bogor. Hal. 6.
- Shulaev, V., D. Sargent, R. Crowhurst, T. Mockler, O. Folkerts, A. Delcher, P. Jaiswal, K. Mockaitis, A. Liston, S. Mane, P. Burns, T. Davis, J. Slovin, N. Bassil, R. Hellens, C. Evans, T. Harkins, C. Kodira, B. Desany, O. Crasta, R. Jensen, A. Allan, T. Michael, J. Setubal, J. Celton, D. Rees, K. Williams, S. Holt, J. Rojas, M. Chatterjee, B. Liu, H. Silva, L. Meisel, A. Adato, S. Filichkin, M. Troggio, R. Viola, T. Ashman, H. Wang, P. Dharmawardhana, J. Elser, R. Raja, H. Priest, D. Bryant, S. Fox, S. Givan, L. Wilhelm, S. Naithani, A. Christoffels, D. Salama, J. Carter and Girona. 2010. The genome of woodland strawberry (*Fragaria vesca*). *Nature Genetics*, 43(2), pp.109-116.
- Sulandari, S dan M.S.A, Zein. 2003. *Panduan Praktis Laboratorium DNA*. Bidang Zoologi. Pusat Penelitian Biologi. LIPI. Bogor. Hal 66-73.
- Suryo. 2005. *Genetika Manusia*. Yogyakarta: Gadjah Mada University Press.
- Surzycki, S. 2000. *Basic Techniques in Molecular Biology*. Springer-Verlay. Berlin Heidelberg. Germany.
- Syukur, M., S, Sujiprihati dan R, Yuniarti. 2010. *Teknik Pemuliaan Tanaman*. IPB Press. Bogor. Pp. 1-4.
- Tan, S. and B. Yiap. 2009. DNA, RNA, and Protein Extraction: The Past and The Present. *Journal of Biomedicine and Biotechnology*. pp.1-10.



- Téllez1, L.I.T. and F. C. G. Merino. 2014. *Nutrient management strawberry: Effects on yield, quality and plant health*. Nova Science Publishers. New York. p: 241.
- Titrawani. 1996. Biodiversiti Kodok Genus Rana Ditinjau dari Morfologi, Kariotip dan Pola Protein di Kodya Sawahlunto. *Thesis*. Program Pasca Sarjana. Institut Pertanian Bogor: 76.
- Tizianel, A., Riccarda, M., and Ilaria, P. 2007. *L'oidio della fragola*. Le pubblicazioni divulgative del Centro SafeCrop.
- Ullio, L. 2004. *Strawberry disease control guide*. NSW Argiculture. District Horticulturist Elizabeth Macarthur Agricultural Institute Camden. 4 p.
- Voth, Victor, Santa, Ana., and S. Royce. 1989. *Strawberry plant called 'Oso Grande'*. United States Patent.
- Wahyuni, I. N. 2016. Identifikasi Dan Patogenisitas Jamur Powdery Mildew Pada Tanaman Stroberi (*Fragaria* Spp.). *Thesis*. Program Pasca Sarjana. Universitas Gadjah Mada.
- Wahyuningsih, I., 2012, *Stroberi*. https://www.academia.edu/9788532/BAB_II_Stroberi diakses 9 Januari 2016.
- Whitaker, V. M., M.Bielinski, Santos and N.A. Peres. 2000. *Strawberry plant called 'Festival'*. United States Patent.
- Wightwick, A., W. Robert, A. Graeme, R. Suzanne and M. Neal. 2010. Environmental Risks of Fungicides Used in Horticultural Production Systems. *Journal Fungicides*. Odile Carisse.
- Xiao, C. L., C. K. Chandler, J. F. Price, J. R. Duval, J. C. Mertely and D. E. Legard. 2001. Comparison of Epidemics of Botrytis Fruit Rot and Powdery Mildew of Strawberry in Large Plastic Tunnel and Field Production Systems. *Journal of Plant Disease* 85:901-909.
- Zhongchi, L., S. Janet and A. Nadim. 2013. *SGR: Strawberry Genomic Resources*. <http://bioinformatics.towson.edu/strawberry/> diakses pada 20 Februari 2016.
- Zilinskiene, Jurgita. 2012. *Product Information: 6X DNA Loading Dye*. Thermo Fisher Scientific Inc. 28 Schenck Parkway, Suite 400 Asheville, NC 28803.
- Zumbo, P. 2014. *Phenol-chloroform Extraction*. Weill Cornell Media College. P.1.