

DAFTAR PUSTAKA

- Adiputra, J., S.H. Hidayat & T. A. Damayanti. 2012. Evaluasi Tiga Metode Preparasi RNA Total Untuk Deteksi *Turnip mosaic Potyvirus* Dari Benih Brassica Rappa dengan *Reverse Transcription Polymerase Chain Reaction*. *Jurnal Fitopatologi Indonesia* 8 (2): 44-49.
- Aranda, R., S.M Dineen., R. L. Craig., R. A. Guerrieri., & J. M Robertson. 2009. Comparison and evaluation of RNA quantification methods using viral, prokaryotic, and eukaryotic RNA over concentration range. *Analytical Biochemistry* 387: 122–127.
- Aristya, G. A & 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.
- Asy'ari. M. & A. S. Noer. 2005. Optimasi Konsentrasi Mgcl₂ dan Suhu Annealing Pada Proses Amplifikasi Multifragments DNA dengan Metoda PCR. *Artikel JKSA* 8 (1): 24-28.
- Avison M. 2007. *Measuring Gene Expression*. 1st edition. New York: Taylor & Francis Group.
- Badan Pusat Statistik Republik Indonesia. 2013. *Produksi buah-buahan di Indonesia*. Tersedia pada <http://www.bps.go.id/>. Diakses tanggal 26 Januari 2015.
- Bau, H.J., Y.H., Cheng, T.A. Yu, J.S. Yang & S.D Yeh. 2003. Brood- spectrum resistance to different geographic strains of *Papaya ringspot virus* in coat protein gene transgenic pepaya. *Pytopathology* 93:112-120.
- Cappaert, D. 2010. Green Peach Aphid *Myzus persicae* (Sulzer, 1776). *Forestry Images*. Tersedia pada <http://www.forestryimages.org>. Diakses pada tanggal 23 Maret 2015.
- Chomczynski P, Sacchi N. 1987. Single-step method of RNA isolation by acid guanidinium thiocyanate-phenol-chloroform extraction. *Anal Biochem*. 162(1):156-9.
- Christie & Edwardson. 1977. Monogr. Ser. *Fla agric. Exp. Stn* 9:155.
- Clark, D.P. 2010. *Molecular Biology*: Academic Cell Update. Elsevier Academic Press. San Diego, USA.
- Corkill, G. & R. Rapley. 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.
- Daryono, B.S. & Natsuaki, K.T. 2006. Inheritance of resistance to Papaya ringspot virus-Papaya strain in Melon (*Cucumis melo* L.). *Indonesian Journal of Plant Protection* 12(1): 53-61.
- Davis, M.J. & Ying, Z. 1999. Genetic diversity of the Papaya ringspot virus in Florida. *Proc. Fla. State Hort. Soc.* 112: 194-196.
- De La Rosa, M.& R. Lastra. 1983. Purification and Partial Characterization of *Papaya ringspot virus*. *Phytopathologische Zeitschrift* 106, 329-336.

- Dharmaraj, S. 2009. *Principles of Reverse transcription-Polymerase Chain Reaction. Applied Biosystems Website*. Tersedia pada <http://www.ambion.com/>. Diakses tanggal 17 September 2014.
- Dimmock, N.J., A.J Easton & K. N. Leppard. 2007. *Introduction to Modern Virology* Sixth Edition. Blackwell Publishing. USA.
- Edwardson, J.R & R.G. Christie. 1986. *Viruses infecting forage legumes florida* Agriculture Experiment Station Monograph series 4.
- Erlich, H.A., R. Gibbs, & H. Kazazian, Jr. 1989. *PCR Times Three "Polymerase Chain Reaction"*. *Current Communications in Molecular Biology*. NY: Cold Spring Harbor Laboratory Press.
- Gerard, G.F. & D.P. Grandgenett. 1975. *J. Virol.* 15, 785-797.
- Giacomazzi, L., P. Umari & A. Pasquarello. 2005. Medium-Range Structural Properties of Vitreous Germania Obtained through First Principles Analysis of Vibrational Spectra. *Phys. Rev. Lett* 95, 075505.
- Gonsalves, C., D. R. Lee, & D. Gonsalves. 2004. Transgenic virus-resistant papaya: The Hawaiian 'Rainbow' was rapidly adopted by farmers and is of major importance in Hawaii today. *Papaya ringspot virus*. Tersedia pada www.APSnet. Diakses pada 20 Maret 2015.
- Gonsalves, D. & Ishii, M. 1980. Purification & Serology of *Papaya ringspot virus*. *Phytopathology* 70:1028-1032.
- Gonsalves, D. 1993. *Crop knowledge master: Papaya ringspot virus (P-strain)*. Tersedia pada <http://www.extento.hawaii.edu/>. Diakses tanggal 27 Februari 2015.
- Gonsalves, D., J.Y Suzuki, S. Tripathi, & S.A. Ferreira. 2007. *Papaya ringspot virus (Potyviridae)*. Dalam: BWJ Mahy dan MHV van Regenmortel (Eds.), *Encyclopedia of Virology*, 5 jilid. Elsevier Ltd, Oxford. Inggris.
- Gonsalves, D., Tripathi, S., Carr, J.B. & Suzuki, J.Y. 2010. *Papaya ringspot virus. The Plant Health Instructor*. DOI: 10.1094/PHI-I-2010-1004-01.
- Grisoni, M., M. Moles, K. Farreyrol, L. Rassaby, R. Davis, M. Pearson. 2006. Identification of Potyvirus infecting vanilla by direct sequencing of a short RT-PCR amplicon. *Plant Pathology*, 55:523-529.
- Harisha, S. 2007. *Biotechnology procedures and experiments handbook (An introduction to biotechnology)*. Infinity Science Press LLC. Hingham, MA. Canada.
- Hidayat, S.H., S. Nurulita, & S. Wiyono. 2012. Infeksi Papaya ringspot virus pada Tanaman Pepaya di Provinsi Nanggroe Aceh Darussalam. *Jurnal Fitopatologi Indonesia*. 8(10): 184-187.
- Holme, D.J. & Peck, H. 1998. *Analytical Biochemistry*. 3rd edition. Prentice Hall, Addison Wesley Longman, Ltd. Singapore.
- Hull, R. 2009. *Comparative Plant Virology* Second Edition. Elsevier. Norwich, UK.
- International Committee on Taxonomy Viruses. 2014. *ICTV Taxonomy History for Papaya ringspot virus*. Tersedia pada <http://ictvonline.org/virustaxonomy.asp>. Diakses pada 12 Maret 2015.
- Jayathilake, N. 2004. Defining The Molecular Basis Of Host Range In *Papaya ringspot virus* (PRSV) Australia. *PhD Thesis*. School of Life Science Queensland University of Technology.

- Jensen, D.D. 1949. Papaya virus diseases with special reference to papaya ringspot. *Phytopathology* 39: 191-212.
- Kalie, M.B. 2008. *Bertanam Pepaya* Ed. revisi. Penebar Swadaya. Depok.
- Kenganal, M.Y. 2009. Investigations on mild strains & transformation of PRSVCP gene in papaya. *PhD Thesis*. Department of Plant Pathology College of Agriculture, Dharwad University of Agricultural Sciences. Dharwad, India.
- Lestari, G. A. 2014. Deteksi *Papaya ringspot virus* Asal Tanaman Pepaya (*Carica papaya* L.) Berdasarkan Teknik *Reverse Transcription-Polymerase Chain Reaction*. *Skripsi*. Fakultas Pertanian Institut Pertanian Bogor. Bogor.
- Martínez, D.R., P.S. Duarte, J.D. Gonsalves, & A.R Figueira. 2014. Molecular and biological studies of *Papaya ringspot virus* isolates from Brazil and Cuba. *American Journal of Agriculture and Forestry*. 2 (5): 209-218.
- McMurry J. Organic Chemistry. 6th edition. Brooks Cole; 2003
- McPherson, M.J. & S.G. Moller. 2006. PCR: The Basics. 2nd Edition. Taylor & Francis Group. New York, USA.
- Meltzer, S.J. 1998. *PCR in Bioanalysis*. Humana Press, Inc. New Jersey, USA.
- Mora-Aquilar, G., D. Nieto-Angel, D. Teliz, & C. L. Campbell. 1993. Development of A Prediction Model for Papaya ringspot in Veracruz, *Mexico Plant Disease* 77, 1205-1211.
- Nicholl, D.S.T. 2008. *An Introduction to Genetic Engineering*. Cambridge University Press. Cambridge, UK.
- O'Neil M. 2006. The Merck Index. 14th edition. New Jersey: Merck & Co.;
- Opina, O. S. 1991. Epidemiology of Papaya Ringspot. *Proceeding First National Symposium*. Manilla, Phillippines, 46-51.
- Palmiter RD. 1974. Magnesium precipitation of ribonucleoprotein complexes. Expedient techniques for the isolation of undegraded polysomes and messenger ribonucleic acid. *Biochemistry*, 13: 3606–3615
- Peirson SN, Butler JN (2007). "RNA extraction from mammalian tissues". *Methods Mol. Biol. Methods in Molecular Biology* 362: 315–27.
- Plantamor. 2014. *Carica papaya* L. Tersedia pada <http://www.plantamor.com/>. Diakses tanggal 26 Oktober 2014.
- Purcifull, D., Edwardson, J., Hiebert, E. & Gonsalves, D. 1984. *Papaya ring spot virus*. CMI/AAB Descriptions of Plant Viruses No.292. Tersedia pada <http://www.dpvweb.net/>. Diakses tanggal 17 September 2014.
- Purnomo, S. 2005. *Biologi*. Sunda Kelapa Pustaka. Jakarta.
- Reinhart, C.A. 2005. *Molecular Genetics – Biology* 495: Hybridization Experiment. Tersedia pada <http://bioweb.wku.edu/>. Diakses tanggal 2 Maret 2015.
- Rezende, J. A. M. & A. S. Costa. 1993. Papaya Disease Caused by Virus and Mycoplasma. *Summa Phytopathologica* 19, 73-79.
- Rosilawati, M.L., P. Sudarmono & F. Ibrahim. 2002. Sensitivitas metode PCR (Polymerase chain reaction) dalam mendeteksi isolat klinis *Mycobacterium tuberculosis*. *Jurnal Kedokteran Trisakti* 21 (1); 1-14
- Roth, M.J., Tanese, N. and Goff, S.P. (1985). *J. Biol. Chem.* 260, 9326-9335.
- Rukmana, R. 1995. *Pepaya*. Penerbit Kanisius. Yogyakarta.
- Sambrook, J., Fritsch, E.F. and Maniatis, T. (2001). *Molecular Cloning: A Laboratory Manual (2nd Ed.)*. 5.52-5.55, 8.11-8.17

- Saraswati, U. 2010. Isolasi dan pengembangan deteksi Cucumber green mottle mosaic virus pada anggota Cucurbitaceae di Daerah Istimewa Yogyakarta. *Skripsi*. Fakultas Biologi Universitas Gadjah Mada. Yogyakarta.
- Saraswati, U. 2014. Karakterisasi molecular coat protein gene *Papaya ringspot virus* pada tanaman pepaya (*Carica papaya* L.) di Indonesia. *Tesis*. Universitas Gadjah Mada. Yogyakarta. Hal.87-88.
- Stansfield, W., R. Cano & J. Colome. 2006. *Biologi Molekuler dan Sel*. Jakarta: Penerbit Erlangga. Jakarta
- Suprpti, M.L. 2005. *Teknologi Pengolahan Pangan: Aneka Olahan Papaya Mentah*. Penerbit Kanisius. Yogyakarta Hal 16-17
- Tortora, G.J., B. R. Funke & C. L. Case. 2010. *Microbiology: An Introductio Tenth Edition*. Benjamin Cumming. San Fransisco.
- Tripathi, S., Suzuki, J.Y., Ferreira, S.A. & Gonsalves, D. 2008. Papaya ringspot virus-P: characteristics, pathogenicity, sequence variability & control. *Molecular Plant Pathology* 9(3): 269–280.
- Verma, I.M. (1975). *J. Virol.* 15, 843-854.
- Warisno, 2003. *Budidaya Pepaya*. Penerbit Kanisius. Yogyakarta hal 23.
- Wijayakusuma, H. 1984. *Ramuan Tradisional untuk Pengobatan Darah Tinggi*. PT Penebar Swadaya. Jakarta.
- Yeh, S.D., F.J. Jan, C. H. Chiang, T. J. Doong, M.C. Chen, P. H. Chung, & H. J. Bau. 1992. Complete nucleotide sequence & genetic organization of Papaya ringspot virus RNA. *Journal of General Virology* 73: 2531-2541.
- Zitikaite, I. 2002. Viruses of Cucumber Plants & Identification Of Their Agents. *Biologija*. 2: 42-46.