

DAFTAR PUSTAKA

- Aidawati N, Hidayat SH, Suseno R, Hidayat P, & Sujiprihati S. 2005. Identifikasi Geminivirus yang menginfeksi tomat berdasarkan pada teknik polymerase chain reaction-restriction fragment length polymorphism. *Jurnal Mikrobiologi Indonesia* 10(1): 29–32
- Aji, T. M., Hartono, S., & Sulandari, S. 2015. Pengelolaan kutu kebul (*Bemisia tabaci* Gen.) dengan sistem barier pada tanaman tembakau. *Jurnal Perlindungan Tanaman Indonesia*, 19(1), 6-11.
- Arfah, C. Z., F. Harun, dan M. Rahmawati. 2016. Pengaruh Media Tanam dan Konsentrasi Zat Pengatur Tumbuh Dekamon 22.34 L pada Pertumbuhan dan Hasil Tanaman Melon (*Cucumis melo L.*). *Jurnal Kawista* 1(1): 10-14
- Badan Pusat Statistik. 2021. Produksi Tanaman Buah-buahan 2020. <https://www.bps.go.id/indicator/55/62/2/produksi-tanaman-buah->. Di akses pada Desember 2021.
- Brown, J. K. 2007. The *Bemisia tabaci* complex: genetic and phenotypic variability drives begomovirus spread and virus diversification. *Plant Disease Journal*, 1: 25- 56.
- Brown, J. K., Zerbini, F. M., Navas-Castillo, J., Moriones, E., Ramos-Sobrinho, R., Silva, J. C., Fiallo-Olivé, E., Briddon, R. W., Hernández-Zepeda, C., Idris, A., Malathi, V. G., Martin, D. P., Rivera-Bustamante, R., Ueda, S., & Varsani, A. 2015. Revision of begomovirus taxonomy based on Pairwise Sequence comparisons. *Archives of Virology*, 160(6), 1593 1619.
- Chang, H. H., H.M. Ku., & W.S.Tsai. 2010. Identification and Characterization of a Mechanical Transmissible Begomovirus Causing Leaf Curl on Oriental Melon. *Plant Pathology Journal* 127: 219–228.
- Charoenvilaisiri, S., Seepiban, C., Phironrit, N., Phuangrat, B., Yoohat, K., Deeto, R., and Gajanandana, O. 2020. Occurrence and distribution of begomoviruses infecting tomatoes, peppers and cucurbits in Thailand. *Crop Protection* 127: 1- 13
- Daryono, B.S. 2006. Resistance to cucurbit viruses in several genotypes of melon (*Cucumis melo L.*). *Jurnal Berkala Ilmiah Biologi*, 5(1): 1-12

- Daryono, B.S., dan Maryanto, S.D. 2017. Keanekaragaman dan Potensi Sumber Daya Genetik Melon. Gadjah Mada University Press. Yogyakarta
- Fiallo-Olivé, E., & Navas-Castillo, J. 2020. Molecular and biological characterization of a new world mono-/bipartite begomovirus/deltasatellite complex infecting corchorus siliquosus. *Frontiers in Microbiology*, 11.
- Ganefianti, D.W., Sujiprihati, S., Hidayat S.H, Syukur, M. 2008. Metode penularan dan uji ketahanan genotipe cabai terhadap Begomovirus. *Akta Agrosia*. 11(2):162– 169.
- Hidayat, S.H., Rusli, E.S., Aidawati, N. 1999. Penggunaan primer universal dalam polymerase chain reaction untuk mendeteksi virus gemini pada cabai. *Prosiding Seminar Ilmiah dan Kongres Nasional PFI XV*. Purwokerto. Hal: 355-359.
- Hidayat, P., Kurniawan, H. A., Afifah, L., & Triwidodo, H. 2017. Siklus hidup dan statistic demografi kutukebul Bemisia tabaci (Gennadius)(Hemiptera: Aleyrodidae) biotipe B dan non-B pada tanaman cabai (*Capsicum annum* L.). *Jurnal Entomologi Indonesia*, 14(3), 143-151.
- Hull, R. 2002. *Mathew's Plant Virology*. Fourth Edition. Academic Press. USA.
- International Committee on Taxonomy of Viruses. 2021. Virus Taxonomy: 2020 Release. <https://talk.ictvonline.org/taxonomy/> . Diakses pada Desember 2021.
- Ito T, Sharma P, Kittipakorn K, & Ikegami M. 2008. Complete nucleotide sequence of a new isolate of Tomato leaf curl New Delhi virus infecting cucumber, bottle gourd, and muskmelon in Thailand. *Arch. Virol*. 153: 611–613.
- Jeong, J. J., H. J. Ju, and J. Noh. 2014. A review of detection methods for the plant viruses. *Research in Plant Disease* 20(3): 173–181.
- Julijantono, I. 2013. Identifikasi Penyebab Penyakit, Vektor dan Marka Molekuler Terpaut Gen Ketahanan Melon terhadap Begomovirus. Disertasi. Universitas Gadjah Mada, Yogyakarta.

- Kadri, K., 2019. Polymerase Chain Reaction (PCR): Principle and Applications. <https://www.intechopen.com/books/synthetic-biology-new-interdisciplinaryscience/polymerase-chain-reaction-pcr-principle-and-applications>. Diakses pada .
- Kandito, A., S. Hartono, S. Sulandari, and S. Somowiyarjo. 2019. Molecular characterization of betasatellite associated with begomovirus on *Ageratum conyzoides* in Magelang, Central Java. *Jurnal Perlindungan Tanaman Indonesia* 23(2): 292–298.
- Kandito, A., S. Hartono, S. Sulandari, S. Somowiyarjo. 2021. A Recombinant DNA-satellite Associated with *Pepper yellow leaf curl Indonesia virus* in Highland Area. *Indonesia Journal of Biotechnology* 26:82-90.
- Lefevre, P. and E. Moriones. 2015. Recombination as a motor of host switches and virus emergence: Geminiviruses as case studies. *Current Opinion in Virology* 10: 14–19.
- Lestariana, D. S., & Prabowo, S. M. (2021). Studi Pertumbuhan Dan Evaluasi Sistem Tumpangsari (Intercropping) Pada Melon (*Cucumis melo*, L) dan CABAI (*Capsicum annum*, L). *Mediagro: Jurnal Ilmu-Ilmu Pertanian*, 17(1).
- Lima, A. T. M., R. R. Sobrinho, J. González-Aguilera, C. S. Rocha, S. J. C. Silva, C. A. D. Xavier, F. N. Silva, S. Duffy, and F. M. Zerbini. 2013. Synonymous site variation due to recombination explains higher genetic variability in begomovirus populations infecting non-cultivated hosts. *Journal of General Virology* 94: 418– 431.
- Malathi, V.G. 2017. *Begomovirus: An Introduction* p. 3-9. *Begomoviruses: Occurrence and Management in Asia and Africa*. Springer, Singapore.
- Mira, N.A. 2020. Identifikasi Molekuler Begomovirus pada Tanaman Mentimun (*Cucumis sativus* L.) di Yogyakarta. Skripsi. Universitas Gadjah Mada. Yogyakarta.
- Meliala, C. 2009. Pengantar Ilmu Penyakit Tumbuhan. Gadjah Mada University Press. Yogyakarta.
- Mehta, P., Wyman, J.A., Nakhla, M.K., Maxwell, D.P. 1994. Polymerase chain reaction detection of *veruliferous bemisia tabaci* (Homoptera:Aleyrodidae) with two tomato infecting Geminivirus. *Journal Econ Entomology* 87(5):1285-1290.

- Moriones, E., S. Praveen, dan S. Chakraborty. 2017. Tomato leaf curl New Delhi virus: an emerging virus complex threatening vegetable and fiber crops. *Viruses*, 9: 264 – 282.
- Narendra, A. A. G. A., Phabiola, T. A., & Yuliadhi, K. A. (2017). Hubungan antara populasi kutukebul (*Bemisia tabaci*)(Gennadius)(Hemiptera: Aleyrodidae) dengan insiden penyakit kuning pada tanaman tomat (*Solanum Lycopersicum* Mill.) di Dusun Marga Tengah, Desa Kerta, Kecamatan Payangan, Bali. *Jurnal Agroekoteknologi Tropika*, 6(3), 339-348.
- Oliveira MRV, Henneberry TJ & Anderson P. 2001. History, current status, and collaborative research projects for *Bemisia tabaci*. *Crop Protection* 20: 709–723.
- Oriani, M. A., Vendramim, J. D., & Vasconcelos, C. J. 2011. Biology of *Bemisia Tabaci* (genn.) B biotype (Hemiptera, Aleyrodidae) on tomato genotypes. *Scientia Agricola*, 68(1), 37–41.
- Perring TM. 2001. The *Bemisia tabaci* species complex. *Crop Protection* 20: 725–737.
- Pratap, D., Kashikar., Mukherjee. 2011. Molecular characterization and infectivity of Tomato leaf curl New Delhi virus variant associated with newly emerging yellow mosaic disease off eggplant in India. *Journal Virology*. 1-13
- Polston, J.E.dan P.K. Anderson. 1997. The emergence of whitefly-transmitted geminiviruses in tomato in western hemisphere. *Plant Diseases*, 81(12): 1358- 1369.
- Rahayu, A., Serhalawan, R. J. P. J., & Munandar, E. 2011. Produksi dan kualitas buah melon (*Cucumis melo* L.) pada jumlah buah per tanaman yang berbeda. *Jurnal Pertanian*.
- Rahayuwati, S., Hidayat, S. H., & Hidayat, P. 2016. Identitas genetik *Bemisia tabaci* (Gennadius)(Hemiptera: Aleyrodidae) dari daerah endemik penyakit kuning cabai di Indonesia bagian barat berdasarkan fragmen mitokondria sitokrom oksidase I (mtCOI). *Jurnal Entomologi Indonesia*, 13(3), 156-156.
- Rai, N. dan M. Rai. 2006. *Heterosis Breeding in Vegetable Crops*. New India Publishing Agency, New Delhi.
- Rezgiananda, R. 2019. Identifikasi Molekuler Begomovirus pada Melon dan Labu Siam. Skripsi. Universitas Gadjah Mada. Yogyakarta.

- Revill, P.A., C. V. Ha, S. C. Porchun¹, M. T. Vu, and J. L. Dale. 2003. The Complete Nucleotide Sequence of Two Distinct Geminiviruses Infecting Cucurbits in Vietnam. *Arch Virol* 148: 1523-1541.
- Rojas, M.R., R.L Gilbertson, D.R Russel & D.P Maxwell. 1993. Use of degenerate primers in the polymerase chain reaction to detect whitefly-transmitted geminivirus. *Plant Diseases*, 77(4):340-346.
- Roshan, P., A. Kulshreshtha, and V. Hallan. 2017. Genome Organization of *Begomoviruses*. p. 11-32. *Begomoviruses: Occurrence and Management in Asia and Africa*. Springer, Singapore.
- Santoso, T. J., Hidayat, S. H., & Herman, M. 2013. Aplikasi Teknik Polymerase Chain Reaction(PCR) Menggunakan Primer Degenerate dan Spesifik Gen AV1 Untuk Mendeteksi Begomovirus Pada Tomat (*Lycopersicon esculentum* Mill.). *Jurnal Hortikultura Indonesia*, 4(3), 140-149.
- Seal, S.E., F. vandenBosch, dan M.J. Jeger. 2006. Factors influencing Begomovirus evolution and their increasing global significance: implications for sustainable control. *Critical Review in Plant Sciences*, 25: 23 – 46.
- Septariani, D.N., S.H. Hidayat, E. Nurhayati. 2014. Identifikasi penyebab penyakit daun keriting pada tanaman mentimun. *Jurnal Hama Penyakit Tumbuhan Tropika*. 14(1): 80-86.
- Setiyobudi, R. H., A. S. Subiastuti, an B. S. Daryono. 2020. The effect of Begomovirus infection on phenotypic characters of *Cucumis melo* L. ‘Melona.’ The 6th International Conference on Biological Science Icbs 2019: Biodiversity as a Cornerstone for Embracing Future Humanity
- Simala, M., Milek, T.M., Koric B. 2009. Whitefly species (Hemiptera: Aleyrodidae) recorded on imported ornamental plants in Croatia from 2005–2008. In: Joze Macek (Ed.), *Proceedings of the 9th International Symposium on Plant Protection*; (Nova Gorica, 2009 March 4–5). pp. 389–396. Nova Gorica: Drustvo za Varstvo Rastlin Slovenije.

- Sohrab, S.S., B. Mandal, A. Ali, dan A. Varma. 2010. Chlorotic curly stunt: a severe Begomovirus disease of bottle gourd in Northern India. *Indian Journal of Virology*, 21(1): 56 – 63.
- Subagyo, V. N. O., & Hidayat, P. 2014. Neraca kehidupan kutukebul Bemisia tabaci (Gennadius)(Hemiptera: Aleyrodidae) pada tanaman cabai dan gulma babadotan pada suhu 25° C dan 29° C. *Jurnal Entomologi Indonesia*, 11(1), 11-11.
- Subiastuti, A. S., S. Hartono, and B. S. Daryono. 2019. Detection and identification of begomovirus infecting cucurbitaceae and Solanaceae in Yogyakarta, Indonesia. *Biodiversitas* 20(3): 738–744.
- Sulandari, S. 2006. Penyakit daun keriting kuning cabai di Indonesia. *Jurnal Perlindungan Tanaman Indonesia* 12(1):1-12
- Suwardi, S., Zuriani, Z., & Benbuleuen, M. 2016. Prospek Pengembangan Usaha Tani Melon Kecamatan Muara Batu Dan Dewantara Kabupaten Aceh Utara. *AgriFo: Jurnal Agribisnis Universitas Malikussaleh*, 1(1), 63-72.
- Syller J. 2012. Facilitative and antagonistic interactions between plant viruses in mixed infections. *Molecular Plant Pathology* 13(2): 204-216
- Tjahjadi, N. 1989. Bertanam Melon. Yogyakarta : Kanisius. pp. 9, 13, 15
- Wahyuni, W.S. 2005. Dasar-Dasar Virologi Tumbuhan. Gadjah Mada University Press, Yogyakarta.
- Widarta, H. 2016. Kajian Pengendalian Penyakit Kerupuk Tembakau Di PTPN X Klaten. Tesis. Universitas Gadjah Mada. Yogyakarta
- Wilisiani, F., Somowiyarjo, S., & Hartono, S. 2014. Identifikasi Molekuler Virus Penyebab Penyakit Daun Keriting Isolat Bantul pada Melon. *Jurnal Perlindungan Tanaman Indonesia*, 18(1), 47-54.
- Wilisiani, F., Tomiyama, A., Katoh, H., Hartono, S., Neriya, Y., Nishigawa, H., & Natsuaki, T. 2019. Development of a LAMP assay with a portable device for real-time detection

of begomoviruses under field conditions. *Journal of Virological Methods*, 265, 71–76.
<https://doi.org/10.1016/j.jviromet.2018.10.005>

Zerbini, F. M., Briddon, R. W., Idris, A., Martin, D. P., Moriones, E., Navas-Castillo, J., et al. 2017. ICTV virus taxonomy profile: geminiviridae. *J. Gen. Virol.* 98, 131–133.