



## DAFTAR PUSTAKA

- Abonyi, D. O., Adikwu, M. U., Esmone, C. O., and Ibezim, E. C. 2009. Plants as sources of antiviral agents. *Afr. J. Biotechnol*, 8(17): 3989-3994.
- Alishiri, A., F. Rakhshandehroo, H. R. Zamanizadeh, and P. Palukaitis. 2013. Prevalence of *Tobacco mosaic virus* in Iran and evolutionary analyses of the coat protein gene. *Plant Pathol. J.* 29(3): 260-273.
- Anilakumar, K. R., G. P. Kumar, and N. Haiyaraja. 2015. Nutritional, pharmacological and medicinal properties of *Momordica charantia*. *International Journal of Nutrition and Food Sciences*, 4(1): 75-83.
- Anonim. 2017. Virus Taxonomy: 2017 Release. <https://talk.ictvonline.org/taxonomy/>. Diakses pada tanggal 8 Juli 2018.
- Baker. C., and S. Adkins. 2000. Peppers, Tomatoes, and *Tobamoviruses*. *Plant Pathology Circular* 400: 1-4.
- Das, D. R., A. Kr Sachan, M. Imtiyaz, and M. Shuaib. 2015. *Momordica charantia* as a Potential Medicinal Herb: An Overview. *JMPS*, 3(5): 23-26.
- Deepthi, N., K. N. Madhusudhan, A. C. U. Shankar, H. B. Kumar, H. S. Prakash, and H. S. Shetty. 2007. Effect of plant extracts and acetone precipitated proteins from six medicinal plants against *Tobamovirus* infection. *International Journal of Virology*, 3(2): 80-87.
- Dunkic, V., B. Bezic., E. Vuko, and D. Cukrov. 2010. Antiphytoviral activity of *Satureja montana* L. Ssp. *Variiegata* (Host) P. W. Ball essential oil and phenol compounds on CMV and TMV. *Molecules* 15: 6713-6721.
- Endarsih, W., S. Hartono, dan S. Sulandari. 2017. Perbaikan metode ekstraksi dsRNA virus secara sederhana untuk RT-PCR tiga virus tumbuhan. *Jurnal Perlindungan Tanaman Indonesia* 21: 106-113.
- Gaur, R. K., K. SMP., and Y. Dorokhov. 2018. *Plant Viruses: Diversity, Interaction, and Management*. CRC Press, United States.
- Hansen, A. J. 1984. Effect of ribavirin on green ring mottle causal agent and necrotic ringspot virus in *Prunus* species. *Plant Diseases* 68: 216-218.
- Hersanti. 2005. Analisis aktivitas enzim peroksidase dan kandungan asam salisilat dalam tanaman cabai merah yang diinduksi ketahanannya terhadap *Cucumbers mosaic virus* (CMV) oleh ekstrak daun bunga pukul empat (*Mirabilis Jalapa*). *Jurnal Perlindungan Tanaman Indonesia*, 11(1): 13-20.
- Horax, R., N. Heitiarachchy, and S. Islam. 2005. Total phenolic contents and phenolic acid constituents in 4 varieties of bitter melons (*Momordica charantia*) and antioxidant activities of their extracts. *Journal of Food Science* 70 (4): 275-280.
- Joseph, B., and D. Jini. 2013. Antidiabetic effects of *Momordica charantia* (bitter melon) and its medicinal potency. *Asian Pacific Journal of Tropical Diseases*, 3(2): 93-102.
- King, A. M. Q., M. J. Adams, E. B. Carstens, and E. J. Lefkowitz. 2012. *Virus Taxonomy: Classification and Nomenclature of Viruses: Ninth Report of the International Committee on Taxonomy of Viruses*. ELSEVIER Academic Press, USA.



- Kuboto, K. T. Usugi, Y. Tomitaka, Y. Matsushita, M. Higashiyama, Y. Kosaka, dan S. Tsuda. 2012. Characterization of *Rehmannia mosaic virus* isolated from chili pepper (*Capsicum annum* L.) in Japan. *J Gen Plant Pathol* 78: 43-48.
- Kumalasari, R. N., M. Martosudiro, dan T. Hadiastono. 2015. Pengaruh berbagai jenis ekstrak nabati terhadap infeksi *Cucumbers mosaic virus* (CMV) pada tanaman mentimun (*Cucumis sativus* L.). *Jurnal HPT*, 3(1): 30-34.
- Kurnianingsih, L., dan T. A. Damayanti. 2012. Lima ekstrak tumbuhan untuk menekan infeksi *Bean common mosaic virus* pada tanaman kacang panjang. *Jurnal Fitopatologi Indonesia*, 8(6): 155-160.
- Liu, F., T. Chen, S. Yeh, H. Hsu, C. Chen, H. Bau, and Y. Chen. 2004. Serological and molecular characterizations of a hibiscus-infecting *Tobamovirus* in Taiwan. *Plant Pathology Bulletin* 13: 283-290.
- Loebenstein, G., and F. Akad. 2006. *Plant Virus as molecular pathogens Chapter A5. The Local Lesion Response*. Springer, Netherlands.
- Luria, N., E. Smith, V. Reingold, I. Bekelman, M. Lapidot, I. Levin, N. Elad, Y. Tam, N. Sela, A. Abu-Ras, N. Ezra, A. Haberman, L. Yitzhak, O. Lachman, and A. Dombrovsky. 2017. A new Israeli *Tobamovirus* isolate infects tomato plants harboring Tm-2<sup>2</sup> resistance genes. *PLoS ONE* 12 (1): 1-19.
- Mancino, L. J. C., and Agrios, G. N. 1984. Effects of antiviral compounds on symptoms and infectivity of cowpea chlorotic mottle virus. *Plant Disease* 68: 219-222.
- Matthews, R. E. F. 1992. *Fundamentals of Plant Virology*. Academic Press, Inc., California.
- Mittler, R., S. Vanderauwera, M. Gollery, and F. V. Breusegem. 2004. Reactive oxygen gene network of plants. *TRENDS in Plant Science*, 9(10): 491-498.
- Ng. T. B., J. H. Wong, and H. Wang. 2010. Recent Progress in research on ribosome inactivating proteins. *Current Protein and Peptide Science* 11: 37-53.
- Nurviani, S. Somowiyarjo, S. Sulandari, and S. Subandiyah. 2018. The inhibition of *Tobamovirus* by using the extract of banana flower. *Jurnal Perlindungan Tanaman Indonesia* (In Press).
- Nurviani. 2018. Karakterisasi Penyebab Mosaik Tembakau dan Penghambatannya dengan Ekstrak Jantung Pisang. Program Pascasarjana Fakultas Pertanian. Universitas Gadjah Mada. Tesis. (Unpublished).
- Pallas, V., and J. A. Garcia. 2011. How do plant viruses induce disease? Interactions and interference with host components. *Journal of General Virology* 92: 2691-2705.
- Puri. M., I. Kaur, R. K. Kanwar, R. C. Gupta, A. Chauhan, and J. R. Kanwar. 2009. *Ribosome inactivating proteins* (RIPs) from *Momordica charantia* for anti viral therapy. *Current Molecular Medicine* 9: 1080-1094.
- Putri, S. U. 2015. Aktivitas Antiviral Teh terhadap Tobamovirus. Program Pascasarjana Fakultas Pertanian. Universitas Gadjah Mada. Tesis. (Unpublished).
- Raina, K., D. Kumar, and R. Agarwal. 2016. Promise of bitter melon (*Momordica charantia*) bioactives in cancer prevention and therapy. *Semin Cancer Biol* 40-41: 116-129.
- Sidwell. R. W., J. H. Hoffman, G. P. Khare, L. B. Allen, J. T. Witkowski, and R. K. Robins. 1972. Broad-spectrum antiviral activity of virazole: 1- $\beta$ -D-Ribofuranosyl-1,2,4-triazole-3-carboxamide. *Science*. 177: 705-706.



- Song, B., S. Y., L. Jin., and P.S. Bhadury. 2010. Environment-Friendly Antiviral Agents for Plants. Chemical Industry Press Beijing + Springer Dordrecht Heidelberg, London New York.
- Upadhyay, A., P. Agrahari, and D. K. Singh. 2015. A review salient pharmacological features of *Momordica charantia*. International Journal of Pharmacology 11(5): 405-413.
- Wahyuni, W. S. 2005. Dasar-Dasar Virologi Tumbuhan. UGM Press, Yogyakarta.
- Waziri, H. M. A. 2015. Plants as antiviral agents. J. Plant. Pathol Microb 6: 254.
- Widodo, R. 2001. Penghambatan Infeksi CMV dengan Ekstrak Anyelir (*Dianthus caryophyllus*). Skripsi. Program Sarjana Fakultas Pertanian Universitas Gadjah Mada, Yogyakarta. (Unpublished).
- Williams, J.E. 2001. Review of antiviral and immunomodulating properties of plants of the Peruvian rainforest with a particular emphasis on Una de Gato and Sangre de Grado. Altern Med Rev 6: 567-579.
- Yang, T., Y. Meng, L. Chen, H. Lin, and D. Xi. 2016. The roles of alpha-momorcharin and jasmonic acid in modulating the response of *Momordica charantia* to *Cucumber mosaic virus*. Front. Microbiol 7: 1-12.
- Yang, T., L. Zhu, Y. Meng, R. Lv, Z. Zhuo, L. Zhu, H. Lin, and D. Xi. 2017. Alpha-momorcharin enhances *Tobacco mosaic virus* resistance in tobacco NN by manipulating jasmonic acid-salicylic acid crosstalk. Journal of Plant Physiology. <http://dx.doi.org/10.1016/j.jplph.2017.04.011>.
- Zhang, Z. C., C. Y. Lei, L. F. Zhang, X. X. Yang, R. Chen, dan D. S. Zhang. 2008. The complete nucleotide sequence of a novel *Tobamovirus*, *Rehmannia mosaic virus*. Arch Virol 153: 595-599.
- Zhu, F., P. Zhang, Y. Meng, F. Xu, D. Zhang, J. Cheng, H. Liu, and D. Xi. 2013. Alpha-momorcharin, a RIP produced by bitter melon, enhances defense response in tobacco plants diverse plant viruses and shows antifungal activity in vitro. Planta 237: 77-88.