DAFTAR PUSTAKA

Adilah, N.F., & S.H. Hidayat, 2014. Keparahan Penyakit Daun Keriting Kuning dan Pertumbuhan Populasi Kutukebul pada Beberapa Genotipe cabai. *Jurnal Fitopatologi Indonesia*. 10(6): 195-201.

Adinugroho, W. 2008. Konsep Timbulnya Penyakit. *Makalah*. Bogor: Mayor Silvikultur Tropika Pascasarjana. Institut Pertanian Bogor.

Agrios, G.N. 1997. Plant Pathology. 4th Edition. Academic Press, New York.

Akbar, W., Arshad M., Akhtar M.A. &M.A. Maqbool. 2019. Mungbean Yellow Mosaic Disease and its Management. *Journal Of Agriculture and Basic Sciences*. 4(1): 34-44.

Alemu, K. 2015. Detection of Diseases, Identification and Diversity of Viruses: A Review. *Journal of Biology, Agriculture and Healthcare*. 5(1): 204-213.

Badan Pusat Statistik. 2018. Statistik Tanaman Sayuran dan Buah-Buahan Semusim. Hal. 112.

Bates, J.A., & E.J.A. Taylor. 2001. Scorpion ARMS primers for SNP real-time PCR detection and quantification of *Pyrenophora teres*. *Molecular Plant Pathology*. 2(5): 275-280

Benchasri, S., Bairaman C., & C. Nualsri. 2011. Investigation of Cowpea and Yardlong Bean for Resistance to Bean Aphids (*Aphis craccivora* Koch). *Proceedings of the International Conference on Agricultural and Animal Science*. 22: 119-121.

Benchasri, S., Bairaman C., & C. Nualsri. 2012. Evaluation of yardlongbean and cowpea for resistance to *Aphis craccivora* Koch in Southern part of Thailand. *The Journal of Animal & Plant Sciences*. 22(4): 1024-1029.

Bos, L. 1990. Pengantar Virologi Tumbuhan. Gadjah Mada Press. Yogyakarta. 226 Hal.

Brown, J.K., Idris A.M., Torres-Jerez I., Banks G.K., S.D. Wyatt. 2001. The core region of the coat protein gene is highly useful for establishing the provisional identification and classification of Begomoviruses. *Arch Virol*. 146: 1581-1598.

Brown, J.K., & J. Bird. 1992. Withefly-transmitted geminivirus and associated disorders in the Americas and the Caribbean Basin. *Plant Disease*. 76: 220-225.

Capoor, S.P., & P.M. Varma. 1948. Yellow mosaic of *Phaseolus lunatus. Curr. Sci.* 17: 152-153.

Converse, R.H. &R.R Martin. 1990. *ELISA methods for plant viruses*. In Hampton, R., E. Ball, and S. De Boer (Eds.). Serological Methods for Detection and Identification of Viral and bacterial Plant Patogens. APS Press, St Paul, Minn. p. 179-196.

Damayanti, T.A., Alabi O.J., Naidu R.A., A. Rauf. 2009. Severe outbreak of yellow mosaic disease on the yard long bean in Bogor, West Java. Hayati of Biosci. 16(2): 78-82.

Deepa, H., Govindappa M.R., Kulakarni S., Kenganal M., & S.A. Biradar. 2017. Biological Evidence on Host Range of Yellow Mosaic Disease of Greengram [*Vigna radiata* (L.) Wilczek]. *International Journal of Current Microbiology and Applied Sciences*. 6(10): 678-684.

Deepa, H., Govindappa M.R., Naganur P., K.S. Shankarappa. 2019. Detection of *Mungbean yellow mosaic virus* in greengram through rolling circle amplification. *J. Exp. Zool. India*. 22(1): 425-428.

Delatte, H., Reynaud B., Granier M., Thornary L., Lett J.M., Glodbach R., & M. Peterschmitt. 2005. A new silverleaf-inducing biotype M of *Bemisia tabaci* (Hemiptera: Aleyrodidae) indigenous to the islands of the south-west Indian Ocean. *Bull. Entomol. Res*. 95: 29-35.

Djatmiko., Rustianti S. & Sajadi. 2015. Pengaruh Berbagai Jenis dan Konsentrasi Pupuk Organik Terhadap Pertumbuhan dan Hasil Kacang Panjang (*Vigna sinensis* L.). Jurnal Agroqua. 13(2): 1-5.

Goodwin, P.H., Xue B.G., Kuske C.R., M.K. Sears. 1994. Amplification of plasmid DNA to detect plant pathogenic mycoplasmalike organisms. *Ann. Appl. Biol.* 124: 27-36.

Hadidi, A., Czosnek H., & M. Barba. 2004. DNA Microarrays and Their Potensial Applications for The Detection of Plant Viruses, Viroids, and Phytoplasmas. *Journal of Plant Pathology*. 86(2): 97-104.

Hampton, R., Ball E., & S. de Boer. 1990. *Serological methods for detection and identification of viral and bacterial plant patogens*. A Laboratory Manual. APS Press, St. Paul, Minn. 389 p.

Horvath, J. 1993. Host plants in diagnosis. Pp 15–48. In: Matthews, R.E.F.(ed) Diagnosis of plant virus diseases. CRC Press, Boca Raton, Florida, USA.

Huque, A.M., Hossain M.K., Alam N., M. Hasanuzzaman. 2012. Genetic Divergence in Yardlong Bean (*Vigna unguiculata* (L.) Walp. Spp. *Sesquipedalis* Verds). *Bangladesh J. Bot*. 41(1): 61-69.

Ilyas, M., Qazi J., Mansoor S., R.W. Briddon. 2010. Genetic diversityand phylogeography of begomoviruses infectinglegumes in Pakistan. *J Gen Virol*. 91:2091-2101.

Jamsari, J., Ferita I., Noverta A., Husada E.D., Herberg F.W., Nellen W., & L. Syukriani. 2016. A Pathogenic Isolate of Monopartite PepYLCV DNA A-like Genome Differs Significantly in C1 Gene and CR Sequence, but not in their other Genes. *Plant Pathology Journal*. 15(4): 124-134.

Jones, A.T. 1993. *Experimental transmission of viruses in diagnosis*. Pp 49–72 In: Matthews, R.E.F.(ed) Diagnosis of plant virus diseases. CRC Press, Boca Raton, Florida, USA.

Jumanto, Bahagiawati, I. Manzila, H. Purwanti, M.A Suhendar, M. Iman, R. Habib, D. Damayanti, Syamsudin, & Suyono. 2001. Produksi perangkat diagnostik dan peningkatan efisiensi teknik deteksi dan identifikasi penyakit dan hama tumbuhan. *Laporan Hasil Penelitian APBN Tahun Anggaran 2001*. BB-Biogen, Bogor.

Kalshoven, L.G.E. 1981. The Pests of Crop in Indonesia. PA van der Laan, penerjemah. Jakarta: Ichtiar Baru-van Hoouve.

Karthikeyan, A., Shobhana V.G., Sudha M., Raveendran M., Senthil N., Pandiyan M., & P. Ngajaran. 2014. Mungbean yellow mosaic virus (MYMV): a threat to green gram (*Vigna radiata*) production in Asia. *International Journal of Pest Management*. 60(4): 314-324.

Kothandraman, S.V., Devadason A., & M.V. Ganesan. 2015. Seed-borne nature of a begomovirus, *Mungbean yellow mosaic virus* in black gram. *Appl Microbiol Biotechnol*.DOI 10.1007/s00253-015-7188-7.

Kumar, S., Tanti B., Mukherjee S.K., & L. Sahoo. 2017. Molecular Characterization and Infectivity of *Mungbean yellow mosaic india virus* Associated with Yellow Mosaic Disease of Cowpea and Mungbean. *Biocatalysis and Agricultural Biotechnology*. 11: 183-191.

Lima, L.H.C., Moretzohn M.C., M.R.V. Oliveira. 2000. Survey of *Bemisia tabaci* (Gennadius) (Homoptera:Aleyrodidae) Biotype in Brazil using RAPD Markers. *Genetics and Molecular Biology*. 23: 1-5.

Lopez, M. M., Llop P., Olmos A., Marco-Noales E., Cambra M., &E. Bertolini. 2008. Are molecular tools solving the challenges posed by detection of plant pathogenic bacteria and viruses. *Curr. Issues Mol. Biol.* 11: 13-45.

Makkouk, K., & S. Kumari. 2006. Molecular Diagnosis of Plant Viruses. *Arab J. Pl. Prot*. 24: 135-138.

Malathi, VG. & P. John. 2008. Geminiviruses infecting legumes.In: Govind P, Rao P, Kumar P Lava, Holguin-Pena RJ, editors.Characterization, diagnosis & management of plantviruses. Houston. TX: Stadium Press LLC. P. 97-123.

Markham, P.G., Bedford I.D., Liu S., M.S. Pinner. 1994. The Transmission of geminiviruses by *Bemisia tabaci. Pesticide Science*. 42: 123-128.

Martelli, G.P. 1993. Leaf roll. Pp 37–44. In: Martelli. G.P. Graft-transmissible diseases of grapevines. Handbook for detection and diagnosis. ICVG/FAO, Rome, Italy.

Martin, J.H., Mifsud D., C. Rapisarda. 2000. The Whiteflies (Hemiptera:Aleyrodidae) of Europe and Mediterranean basin. *Buletin of Entomological Research*. 90: 407-448.

Marwoto, Indriani F.C., Sulistyo A., R.T. Hapsari. 2009. Diagnosis ledakan populasi hama kutu kebul (*Bemisia tabaci*) pada pertanaman kedelai (Studi kasus factor penyebab ledakan populasi kutu kebul di KP Muneng MK 2009). Conference: Seminar Nasional Hasil Penelitian Aneka Kacang dan Umbi Tahun 2009. At: Malang.

McCartney, A. H., Foster S. J., Fraaige B. A. &E. Ward. 2003. Molecular diagnostics for fungal plant pathogens. *Pest Manag. Sci.* 59: 129-142.

McKenzie, C.L., Anderson P.K., & N. Villareal. 2004. An extensive survey of *Bemisia tabaci* (Homoptera:Aleyrodidae) in agricultural ecosystems in Florida. *Florida Entomologist*. 87(3): 403-407.

Mohan, S., A. Sheeba, E. Murugan and S. M. Ibrahim. 2014. Screening of mungbean germplasm for resistance to mungbean yellow mosaic virus under natural condition. *Indian J. Sci. Tech*. 7: 891-896.

Morales, F.J. 2001. Conventional Breeding for Resistance to *Bemisia tabaci*-transmitted geminivirus. *Crop protection*. 20:825-843.

Naidu, R.A., & J.d'A Hughes. 2001. Methods for the detection of plant virus diseases. In: Hughes, J.d'A and BO Odu (eds.). *Plant virology in sub-Saharan Africa*. Proceedings of a Conference Organized by IITA. International Institute of Tropical Agriculture. Nigeria. p.233-260.

Naimuddin, K., Akram M., G. Sanjeev. 2011. Identification of *Mungbean yellow mosaic india virus* infecting *Vigna mungo* var. *silvestris* L. *Phytopathol. Mediterr*. 50: 94-100.

Naimuddin, K., Akram M. & N.PSingh. 2016. Yellow mosaic of mungbean and urdbean: current status and future strategies. *Journal of Food Legumes*. 29(2): 77-93.

Narayanasamy, P. 2011. Microbial Plant Pathogens-Detection and Disease Diagnosis Viral and Viroid Pathogens, Volume 3. Springer Dordrecht Heidelberg, London. 343pp.

Nassuth, A., Pollari E., Helmeczy K., Stewart S., & S.A. Kofalvi. 2000. Improved RNA extraction and one-tube RT-PCR assay for simultaneous detection of control plant RNA plus several viruses in plant extracts. *Journal of Virological Methods*. 90: 37-49.

Nurulita, S., Hidayati S.H., Mutaqin K.H., J. Thomas. 2015. Molecular Characterization Of Begomovirus Infecting Yard Long Bean (*Vigna unguiculata subsp. sesquipedalis* L.) in Java, Indonesia. *Biotropia*. 22(1): 53-60.

Octaviani, N.I., Sudana I.M., T.A. Phabiola. 2017. Penentuan Fase Kritis Tanaman Kacang Panjang (*Vigna sinensis* L.) terhadap Infeksi *Bean Common Mosaic Virus* (BCMV). *Journal Agroekoteknologi Tropika*. 6(1): 91-100.

Ofori, K., & P.Y. Klogo. 2005. Optimum Time for Harvesting Yardlong Bean (*Vigna sesquipedalis*) for High Yield and Quality of Pods and Seeds. Journal of Agriculture & Social Sciences. 1(2): 86-88.

Oliveira MRV, Henneberry TJ & Anderson P. 2001. History, current status, and collaborative researchprojects for *Bemisia tabaci. Crop Protection 20:*709–723.

Perchuk, I., Shelenga T., Gurkina M., Miroshnichenko E., & M. Burlyaeva. 2020. Composition of Primary and Secondary Metabolite Compounds in Seeds and Pods of Asparagus Bean (Vigna unguiculata (L.) Walp.) from China. *Molecules*. 25: 3778.

Perring TM. 2001. The *Bemisia tabaci species*complex. *Crop Protection.* 20: 725–737.

Priou, S. 2001. *NCM-ELISA kit for the detection of R. solanacearum in potato. Instructions for use*. CIP Lima Peru. 26 p.

Purwaningsih, N.N.A., Puspawati N.M., I.D.N. Nyana. 2016. Pengaruh Penyakit Virus Mosaik dan Kuning Terhadap Hasil Panen Tanaman Kacang Panjang (*Vigna sinensis* L.) di Desa Perean, Baturiti, Tabanan. *E-Jurnal Agroekoteknologi Tropika*. 5(3): 212-221.

Purwoko, R.R., Hartono S., Suputra, Lukman R., D. Wahyudin. 2015. Emerging *Pepper yellow leaf curl virus* and *Mungbean yellow mosaic virus* of Single *Bemisia tabaci* in Java, Indonesia. The 11th International Student Conference at Ibaraki University, Ibaraki, Japan, December 5-6, 2015.

Qazi, J., Ilyas M., Mansoor S., R.W. Briddon. 2007. Legume yellow mosaic viruses: genetically isolated begomoviruses. Mol Plant Pathol. 8(4): 343-348.

Randles, J.W., Hodgson R.A.J., & E. Weffels. 1996. The rapid and sensitive detection of plant patogens by molecular methods*. Australasian Plant Pathol*. 25:71- 85.

Revill, P.A., Ha C.V., Porchum S.C., Vu M.T., J.L. Dale. 2003. The complete nucleotide sequence of two distinct geminiviruses infecting cucubits in Vietnam. *Arch Virol*. 148: 1523-1541.

Roberts, I.M., Robinson D.J., & B.D. Harrison. 1984. Serological Relationships and Genome Homologies among Geminiviruses. *J. Gen. Virol*. 65: 1723-1730.

Schaad, N.W., & R.D. Frederick. 2002. Real-Time PCR and its application for rapid plant disease diagnostics. *Can. J. Plant Pathol*. 24: 250-258.

Shahid, M.S., Pudashini B.J., Khatri-Chhetri G.B., Ikegami M., K.T. Natsuaki. 2012. First report of kidney bean in Nepal. *New Dis Rep*. 25:30.

Shahid, M.S., Briddon R.W., A.M. Al-Saidi. 2016. Identification of *Mungbean yellow mosaic india virus* associated with *Tomato leaf curl betasattelite* infecting *Phaseolus vulgaris*. *Oman J Phytopath*. 165: 204-211.

Sidik, E.A., Hartono S., Sulandari S., Lukman R., Affifudin A., Wahyudin D., H.B. Santoso. 2017. Moleculer evidence for mixed infection of four Begomoviruses

in common bean and yard long bean showing severe yellow symptoms in East Java, Indonesia. In: Isnansetyo A, Nuringtyas TR (eds). Proceeding of the 1st International Conference on Tropical Agriculture.

Simmons, A.M., McCutcheon G.S., Dufault R.J., Hassel R.L., J.W. Rushing. 2000. *Bemisia argentifolii* (Homoptera: Aleyrodidae) attacking species of medicinal herbal plants. *Annals of the Entomological Society America*. 93(4): 856-861.

Smith, A.R. 1994. *Serological techniques for the detection of Pseudomonas solanacearum*. In Mehan, V.K. and D. McDonalds (Eds.). Techniques for Diagnosis of P. solanacearum and for Resistance Screening Against Groundnut Bacterial Wilt. ICRISAT Patancheru, India. p. 18-22.

Subiastuti, A.S., Hartono S., B.S. Daryono. 2019. Detection and identification of Begomovirus infecting Cucurbitaceae and Solanaceae in Yogyakarta, Indonesia. *Biodiversitas*. 20(3): 738-744.

Sudha, M., Adhimoolam K., Anusuya P., G. Nawkar. 2013. Iheritance of Resistance to *Mungbean Yellow Mosaic Virus* (MYMV) in Inter and Intra Spesific Crosses of Mungbean (*Vigna radiata*). American *Journal of Plant Sciences*. 4(10): 1924-1927.

Sudiono, Yasin N., Hidayat S.H., P. Hidayat. 2005. Penyebaran dan deteksi molekuler virus Geminni penyebab penyakit kuning pada tanaman cabai di Sumatera. *J. HPT Tropika*. 2: 113-121.

Suryadi, Y., Manzila I., Machmud M., &Jumanto. 2007. Kajian efektifitas antibodi untuk deteksi patogen bakteri layu dan virus kerdil hampa. *Agrivita*. 29(1):71-79.

Sutrawati, M., Hidayat S.H., Suastika G., Sukarno B.P.W., A. Nurmansyah. 2020. Penyakit mosaik kuning pada kedelai. *Jurnal Fitopatologi Indonesia*. 16(1): 30-36.

Thomas J.E., Wong W.C.,& D.H. Goanlock. 1989. Modern methods for the detection of plant pathogens. *Queensland Agric. J*. 1989. p. 49-53.

Tsai, W.S., Shih S.L., Rauf A., Safitri R., Hidayat N., Huyen B.T.T., L. Kenyon. 2013. Genetic diversity of Legume yellow mosaic Begomoviruses in Indonesia and Vietnam. *Ann Appl Biol*. 163: 367-377.

Waller, J.M., Lenne J.M., S.J. Waller. 2002. Plant Pathologist's Pocketbook. 3rd edn. CABI Publishing. New York. Pp. 27.

Ward, E., Foster, S. J., Fraaije, B. A. & H.A. Mccartney. 2004. Plant pathogen diagnostics: immunological and nucleic acid-based approaches. *Annals of Applied Biology*. 145:1-16.

Webster, C.G., Wylie J.S., & M.G.K. Jones. 2004. Diagnosis of plant viral pathogens. *Curr. Sci*. 86: 1604-1607.

Yamaguchi, M. 1983. *World Vegetable: Principles, production and Nutritive Values*. Connecticut. USA. P. 1028.

Zaevie, B., Napitupulu M., P. Astuti. 2014. Respon Tanaman Kacang Panjang (*Vigna sinensis* L.) Terhadap Pemberian Pupuk NPK Pelangi dan Pupuk Organik Cair NASA. *Jurnal Agrifor*. 3(1): 19-32.