

DAFTAR PUSTAKA

- Aganon, C.P., L.G Mateo, D. Cacho, A. Bala Jr, & T.M. Aganon. 2002. Enhancing Off-Season Production Through Grafted Tomato Technology. *Philippine Journal of Crop Science*. 27(2): 3-9.
- Aganon,T.M., C.P. Aganon, A.C. Roxas, E.G. Marzan, & R.V. Pagaduan. 2005. Farmers field school: a new medium for disseminating the new grafted tomato technology for off season production. *Philippine Journal of Crop Science*. 30(3):3-11.
- Agrios, G.N. 1996. Ilmu Penyakit Tumbuhan Edisi Ketiga. Gadjah Mada University Press. Yogyakarta.
- Al-Harbi A., A. Hejazi, & A. Al-Omran. 2015. Responses of grafted tomato (*Solanum lycopersicon* L.) to abiotic stresses in Saudi Arabia. *Saudi Journal of Biological Sciences*.<http://dx.doi.org/10.1016/j.sjbs.2016.01.005>.
- Anonim. 1997. Teknologi Produksi Tomat. Balai Penelitian Tanaman Sayuran. Lembang.
- Anonim. 2002. Deskripsi Tomat Hibrida Varietas Martha F1. Lampiran Surat Keputusan Menteri Pertanian nomor 256/Kpts/TP.240/4/2002.
- Anonim. 2012. Teknologi Budidaya Sayuran Pusat Penelitian dan Pengembangan Hortikultura. Agro Inovasi. Jakarta.
- Anonim. 2017. Tomat Unggulan Amelia (Online). <http://www.matahariseed.com/?prm=product&cat=14&id=10>. Diakses pada tanggal 6 Juli 2017.
- Arwiyanto, T. 2013. *Ralstonia solanacearum* Biologi, Penyakit yang Ditimbulkan, dan Pengelolaannya. Gadjah Mada University Press. Yogyakarta.
- Arwiyanto, T.,K.L Lwin, Y.S. Maryudani, & A. Purwanto. 2014. Evaluation of Local *Solanum torvum* as a Rootstock to Control of *Ralstonia solanacearum* in Indonesia. 1st ISHS International Symposium on Vegetable Grafting (ISVG 2 014), Environmental Friendly Production of Vegetables via Grafting. Cit: Nurcahyanti, S.D. 2015. Kajian Pengendalian Penyakit layu Bakteri *Ralstonia solanacearum* Pada Tomat Dengan Penyambungan. Disertasi. Universitas Gadjah Mada. Yogyakarta.
- Arwiyanto, T. & Hartana, I. 1999. Pengendalian Hayati Penyakit Layu Bakteri Tembakau Percobaan Rumah Kaca. Cit: Saputra, R. 2015. Kompatibilitas Beberapa Bakteri Antagonis Dalam Mengendalikan Penyakit Layu Bakteri (*Ralstonia solanacearum*) pada tomat. Tesis. Universitas Gadjah mada.
- Ashari, S. 1995. Hortikultura Aspek Budidaya. UI Press. Jakarta.
- AVRDC. 1977. Tomato Report for 1976. Asian Vegetable Research and Development Center. Shanhua, Taiwan, Republic of China.

- AVRDC. 1978. 1st International Symposium on Tropical Tomato. Asian Vegetable Research and Development Center. Shanhua, Taiwan, Republic of China.
- Bogoescu, M., M. Doltu, B. Iordache, M. Vintila, D. Sora, & A. Mohora. 2011. The grafting tomatoes crop - an alternative for vegetable growers. Bulletin UASVM Horticulture. 68(1): 215-221.
- Badan Pusat Statistik. 2016. Tabel Dinamis (Online). <http://www.bps.go.id/Subjek/view/id/55#subjekViewTab3|accordion-daftar-subjek3>. Diakses pada tanggal 2 Februari 2016.
- Bergougnoux, V. 2013. The history of tomato: from domestication to biopharming. Biotechnology Advances. 32:170–189.
- Bhata, K.R. 2007. NARC Newsletter. Nepal Agricultural Research Council. Nepal. Vol. 14 No.4 (October-December 2007).
- Bird, D.M., Opperman, C.H., Williamson, & V.M.. 2009. Plant infection by root-knot nematode. Plant Cell Monogr. Cell Biology of Plant Nematode Parasitism Berg, R.H.; Taylor, C. (Eds). 273 p.
- Burelle, N.K., E.N. Roskopf, & M. Bausher. 2010. Efficacy of rootstocks for control of *Meloidogyne incognita* on grafted tomato and cantaloupe. Articul. U.S. Horticultural Research Lab, Ft. Pierce.
- Black, L.L., D.L. Wu, J.F. Wang, T. Kalb, D. Abbass & J.H. Chen. 2003. Grafting Tomatoes for Production in the Hot-Wet Season. International Cooperators Guide. Asian Vegetable Research and Development Center.
- Britta, M.C., Kumpers, & A. Bishopp. 2015. Plant Grafting: Making the Right Connections. Articul. <http://dx.doi.org/10.1016/j.cub.2015.03.055>
- CABI. 2015. *Meloidogyne incognita* (root-knot nematode) (Online). <http://www.cabi.org/isc/datasheet/33245>. Diakses pada tanggal 3 Februari 2016.
- CABI. 2017. *Ralstonia solanacearum* bacterial wilt on potato (Online). <http://www.cabi.org/isc/datasheet/45009>. Diakses pada tanggal 15 Juni 2017.
- Cardoso, S.C., Ana C.F.S., Alexsandro dos S.B., Andiale Pinto dos S., Francisco Ferraz L., & Lea Ara Ujo de C. 2012. Evaluation of tomato rootstocks and its use to bacterial wilt disease. Semina: Ciencias Agrarias, Londrina. 33(2): 595-604.
- Cerkauskas, R. 2004. Tomato Diseases Root-Knot Nematode. AVRDC – The World Vegetable Center. AVRDC Publication 04-603.
- Ciba-Geigy. 1991. Tomatoes. Vegetable Market Development Team AG. Basel.
- Clain, C., D.D Silva, I. Fock, S. Vaniet, A. Carmeille, C. Gousset, D. Sihachakr, J. Luisetti, H. Kodja, & P. Besse. 2004. RAPD genetic homogeneity and high

levels of bacterial wilt tolerance in *Solanum torvum* Sw. (Solanaceae) accessions from Reunion Island. Plant Science 166:1533–1540.

- Damaldiyo, G. 2004. Kajian Interaksi Nematoda Puru Akar (*Meloidogyne incognita*) dengan Bakteri *Ralstonia solanacearum* pada Tembakau Temanggung. Disertasi. Universitas Gadjah Mada.
- Daunay, M.C., H. Laterrot, J.W. Scott, P. Hanson, & J.F. Wang. 2010. Tomato resistance to bacterial wilt caused by *Ralstonia solanacearum* E.F. Smith: ancestry and peculiarities. Articul. TGC REPORT. 60: 6-40.
- Davis, A.R., P.P. Veazie, R. Hassell, A. Levi, S.R. King, & X. Zhang. 2008. Grafting effects on vegetable quality. Hort. Science. 43(6): 1670-1672.
- Dhivya, R., A. Sadasakthi, & M. Sivakumar. 2014. Response of wild rootstocks to root-knot nematode (*Meloidogyne incognita* Kofoed and White). International Journal of Plant Sciences. 9(1): 117-122.
- Dhivya, R., A. Sadasakthi, & M. Sivakumar. 2016. Reaction of wild solanum rootstocks and tomato scions against root knot nematode (*Meloidogyne incognita* kofoed and white). Adv. Res. J. Crop Improv. 7(1): 10-13.
- Dropkin, V.H. 1989. Pengantar Nematologi Tumbuhan Edisi Kedua. Terjemahan oleh Suprptojo dan Mulyadi. 1991. Gadjah Mada University Press. Yogyakarta.
- Flores, F.B., P.S.Bel, M.T.Estañ, M.M.M.Rodriguez, E.Moyano, B.Morales, J.F. Campos, J.O.G.Abellán, M.I.Egea, N.F.Garcia, F.Romajaro, & M.C. Bolarín. 2010. The effectiveness of grafting to improve tomato fruit quality. Scientia Horticulturae. 125:211-217.
- Gardjito, M., W. Handayani, & R. Salfarino. 2015. Penanganan Segar Hortikultura untuk Penyimpanan dan Pemasaran. Kencana Prenada Media. Jakarta.
- Gilbert, G. 2009. AUDPC: Area Under the Disease Progress Curve. Plant Disease Ecology. 1-3.
- Gisbert, C., J. Prohensa, M.D. Raigón, J.R. Stommel, & F. Nuez. 2010. Eggplant relatives as sources of variation for developing new rootstocks: Effects of grafting on eggplant yield and fruit apparent quality and composition. Scientia Horticulturae. 128:14–22.
- Grimault, V., & Prior, P. 1994. Invasiveness of *Pseudomonas solanacearum* in tomato, eggplant and pepper: a comparative study. Europ. J. Plant Pathol. 100: 259-267. *Cit* : Daunay, M.C. 2007. Eggplant. Unité de Génétique et Amélioration des Fruits et Légumes. 163-220.
- Gopalakrishnan, T.R., Singh, P.K., Sheela, K.B., Shankar, M.A., Kutty, P.C.J., & Peter, K.V. 2005. Development of bacterial wilt resistant varieties and basis of resistance in eggplant (*Solanum melongena* L.). P. 293-300. *Cit* : Daunay, M.C. 2007. Eggplant. Unité de Génétique et Amélioration des Fruits et Légumes. 163-220.

- Goto, M. 1992. Fundamentals of Bacterial Plant Pathology. Academic Press. Tokyo.
- He, Y., Z. Zhua, J. Yang, X. Ni, & B. Zhu. 2009. Grafting increases the salt tolerance of tomato by improvement of photosynthesis and enhancement of antioxidant enzymes activity. Environmental and Experimental Botany. 66:270–278.
- Horst, R.K. 2013. Host Plants. Westcott's Plant Disease Handbook. Springer Science+Business Media Dordrecht. 447-699.
- Indarti, S. 1998. Kajian Interaksi Parasitisme Nematoda *Pratylenchus* spp. Dan *Meloidogyne incognita* pada Tanaman Pisang Kultivar Kepok. Tesis. Universitas Gadjah Mada.
- Indriani, Y., L. Mulqie, & S. Hazar. 2015. Uji aktivitas antibakteri air perasan buah jeruk lemon (*Citrus limon* L. osbeck) dan madu hutan terhadap *Propionibacterium acne*. Prosiding Penelitian Prosiba Spesia UNISBA. 354-361.
- Janick, J. 1972. Horticultural Science Second Edition. W.H. Freeman & Company. San Francisco.
- Kelman, A. & L. Sequeira. 1965. Root to root spread of *Pseudomonas solanacearum*. Cit: Arwiyanto, T. 2013. *Ralstonia solanacearum* Biologi, Penyakit yang Ditimbulkan, dan Pengelolaannya. Gadjah Mada University Press. Yogyakarta
- Kersten, J.T., H. Huang, & C. Allen. 2001. *Ralstonia solanacearum* Needs Motility for Invasive Virulence on Tomato. Abstract (Online). <http://jb.asm.org/content/183/12/3597.short>. Diakses pada tanggal 3 Februari 2016.
- Khan, A.N.A., K.S. Shetty, & R.B. Patil. 1988. Multiplication of *Pseudomonas solanacearum* in rhizosphere and root tissue of susceptible and resistant varieties of solanum melongena. J. Phytopathology. 121, 313-317.
- Kosasih, B.D., I. Birsyam, & N. Yuli. 1980. Pengujian beberapa tumbuhan ekonomi terhadap serangan suatu nematoda puru akar. Proceedings ITB. 13(3): 19-28.
- Lelliott R.A., & Stead D.E., 1987. Methods for Diagnosis of Bacterial Diseases of Plants. Blackwell Scientific Publications. Oxford, UK.
- Li Chan, Y., Y. He, T.T. Hsia, C.J. Wang, Z. Tian, & K.W. Ye. 2014. Pyramiding taro cystatin and fungal chitinase genes driven by asynthetic promoter enhances resistance in tomato to root-knot nematode *Meloidogyne incognita*. Plant Science. 231: 74–81.
- Lin, K.H.R., C.C Weng, H.F. Loa, & J.T Chen. 2004. Study of the root antioxidative system of tomatoes and eggplants under waterlogged conditions. Plant Science. 167:355–365.

- Liu, J., J. Li, X.Su, & Z. Xi. 2014. Grafting improves drought tolerance by regulating antioxidant enzyme activities and stress-responsive gene expression in tobacco. *Environmental and Experimental Botany*. 107:173–179.
- Luc, M., R.A. Sikora, & J. Bridge. 1990. *Nematoda Parasitik Tumbuhan*, Pertanian Subtropik dan Tropik (Terjemahan). Gadjah Mada University Press. Yogyakarta
- Lucas, S.V., M. Talavera, & M.F. Andrés. 2012. Virulence response to the Mi1 gene of *Meloidogyne* populations from tomato in greenhouses. *Crop Protection*. 39:97-105
- Luther, K., J. Mariyono, & G. C. Luther. 2014. Tomat Sambungan (Teknologi Grafting). Artikel. USAID-Indonesia and AVRDC.
- Louws, F.J., C.L. Rivarda, & C. Kubota. 2010. Grafting fruiting vegetables to manage soilborne pathogens, foliar pathogens, arthropods and weeds. *Scientia Horticulturae*. 127:127–146.
- Lwin, K.L., & T. Arwiyanto. 2004. Study on wild eggplant (*Solanum torvum*) as a rootstock resistant to bacterial wilt (*Ralstonia solanacearum*). Tesis. Universitas Gadjah Mada. Yogyakarta.
- Mochizuki, H., & Yamakawa, K. 1979a. Potential utilization of bacterial wilt resistant *Solanum* species as rootstocks for commercial eggplant production. *Bull. Veg. Ornamental Crop Res. Stn. A*. 6: 18. *Cit* : Daunay, M.C. 2007. Eggplant. *Unité de Génétique et Amélioration des Fruits et Légumes*. 163-220.
- Mulyadi. 2009. *Nematologi Pertanian*. Gadjah Mada University Press. Yogyakarta.
- Nurchayanti, S.D. 2015. Kajian Pengendalian Penyakit Layu Bakteri *Ralstonia Solanacearum* Pada Tomat Dengan Penyambungan. Disertasi. Universitas Gadjah Mada.
- Oda, M., K. Okada, & H. Sasaki. 2000. Effects of Transplant Container and *Solanum* Rootstocks on the Incidences of Overgrowth and Unmarketable Fruits in Tomato Plants Planted with Plug Seedlings. *Control in Biol*. 38(4): 273-280.
- Oka, Y., N. Shapira, & P. Fin. 2007. Control of root-knot nematodes in organic farming systems by organic amendments and soil solarization. *Crop Protection* 26:1556–1565.
- Perez, J.A.L., M.L.Strange, I.Kaloshian, & A.T. Ploeg. 2005. Differential response of Mi gene-resistant tomato rootstocks to root-knot nematodes (*Meloidogyne incognita*). *Crop Protection* 25:382–388.
- Perez, J.A.L. 2006. Differential response of Mi gene resistant tomato rootstocks to root knot nematodes (*Meloidogyne incognita*). *Crop Protection*. 25:382-388.

- Petran, A.J. 2013. Interspecific Grafting of Tomato (*Solanum lycopersicum*) onto Wild Eggplant (*Solanum torvum*) for Increased Environmental Tolerances. Thesis. University of Minesota.
- Poudel, S.R. & Lee, W.S. 2009. Response of eggplant (*Solanum melongela* L.) as Rootstock for tomato (*Solanum lycopersicum* L.). Horticulture. 34(2): 39-52.
- Pusat Data dan Sistem Informasi Pertanian. 2014. Outlook Komoditi Tomat. Pusat Data dan Sistem Informasi Pertanian Sekretariat Jenderal Kementerian Pertanian.
- Purseglove, J.W. 1974. Tropical Crops Dicotyledons. Longman. London.
- Razdan, M.K., & A.K. Mattoo. 2007. Genetic Improvement of Solanaceous Crops, Volume 2: Tomato. Science Publishers. USA.
- Rumbosl, C.I., E.M. Khahl, & N.Sabir. Response of local and commercial tomato cultivars and rootstocks to *Meloidogyne javanica* infestation. AJCS. 5(11): 1388-1395.
- Rivard, C.L., S.O.Connell, M.M. Peet, & F.J. Louws. 2010. Grafting as a viable tool to manage major tomato diseases in the southeastern usa. Artikel. Departments of Plant Pathology and Horticulture, North Carolina State University, Raleigh.
- Rodríguez, M.G., L. Gómez, F.M. González, Y. Carrillo, M. Piñón, O.Gómez, A.S. Casanova, M.Álvarez, & B.Peteira. 2009. Comportamiento de genotipos de la familia solanaceae frente a *Meloidogyne incognita* (kofoid y white) chitwood. Abstract. Rev. Protección Veg. 24(3): 137-145.
- Sembel, D.T. 2012. Dasar-Dasar Perlindungan Tanaman. ANDI. Yogyakarta.
- Semangun, H. 2006. Pengantar Ilmu Penyakit Tumbuhan. Gadjah Mada University Press. Yogyakarta.
- Setyari, A.R., L.Q. Aini, & A.L. Abadi. 2013. Pengaruh pemberian pupuk cair terhadap penyakit layu bakteri (*Ralstonia solanacearum*) pada tanaman tomat (*Lycopersicum esculentum* Mill.). HPT. 1(2): 80-87.
- Sikora, R.A., Fernandez, & E., 2005. Nematode parasites of vegetables. *Cit* : Nasu, E.G.C, H.M. Formentini, & C. Furlanetto. 2014. Effect of manipueira on tomato plants infected by the nematode *Meloidogyne incognita*. Crop Protection. 78: 193-197.
- Sutarya, R., & G. Grubben. 1995. Pedoman Bertanam Sayuran Dataran Rendah. Gadjah Mada University Press. Yogyakarta.
- Taylor, A.L., & Sasser J.N. 1978. Biology, Identification and Control of Root Knot Nematodes (*Meloidogyne* species). North Carolina State University Graphics. USA.

- Thuy, 2014. On-farm and on-station evaluation of promising technologies. AVRDC and AFVRI.
- Trisnawati, Y., & A.D. Setiawan. 1993. Tomat Pembudidayaan Secara Komersial. Penebar Swadaya. Jakarta.
- Turhan, A., N. Ozmen, M.S. Serbeci, & V. Seniz. 2011. Effects of grafting on different rootstocks on tomato fruit yield and quality. Hort. Sci. 38(4) : 142–149.
- Van der Plank, J.E. 1963. Plant Disease: Epidemic and Control. Academic Press. New York and London.
- Villareal, R.L. 1980. Tomatoes In The Tropics. Westview Press. Colorado.
- Yamaguchi, M., & V.E. Rubatzky. 1999. Sayuran Dunia 3 Prinsip Produksi dan Gizi Edisi Kedua. ITB Bandung. Bandung.
- Yang,X., Y.F.Cheng, C. Deng, Y. Ma, Z.Wen Wang, X.Hao Chen & L.B. Xue. 2014. Comparative transcriptome analysis of eggplant (*Solanum melongena* L.) and turkey berry (*Solanum torvum* Sw.): phylogenomics and disease resistance analysis. BMC Genomics. 15:412.
- Yudiarti, T. 2010. Cara Praktis dan Ekonomis Mengatasi Hama dan Penyakit Tanaman pangan dan Hortikultura. Graha ilmu. Yogyakarta.
- Zeck, W. M. 1971. A rating scheme for field evaluation of root-knot nematode infestation. *Cit.* Damaldiyo, G. 2004. Kajian Interaksi Nematoda Puru Akar (*Meloidogyne incognita*) dengan Bakteri *Ralstonia solanacearum* pada Tembakau Temanggung. Disertasi_ Universitas Gadjah Mada.