

DAFTAR PUSTAKA

- Allard, R.W. 1961. *Principals of Plant Breeding*. John Wiley and Sons, Inc, New York.
- Apriyadi, A, R., W. S. Wahyuni, dan V. Supartini. 2013. Pengendalian penyakit patik (*Cercospora nicotianae*) pada tembakau na oogst secara in-vivo dengan ekstrak daun gulma kipahit (*Tithonia diversifolia*). *Berkala Ilmiah Pertanian* 1(2):30-32.
- Barchenger, D.W., K.H. Lamour & P.W. Bosland. 2018. Challenges and strategies for breeding resistance in *Capsicum annuum* to the multifarious pathogen, *Phytophthora capsici*. *Front. Plant Sci.* 9:628
- Babadoost, M., and T.A. Zitter. 2009. Fruit rots of pumpkin: A serious threat to the pumpkin industry. *Plant Dis.* 93:772–782.
- Boga, A.K. 2014, *Chilli Value Chain Assessment in West Java*, AVRDC report.
- Bosland, P.W. and D.L. Lindsey. 1991 A seedling screen for *Phytophthora* root rot of pepper, *Capsicum annuum*. *Plant Dis.* 75:1048-1050
- Bjarko, M.E., and R. F. Line. 1988. Heritability and number of genes controlling leaf rust resistance in four cultivars of wheat. *Phytopathology* 78:457-461.
- Bosland, P. W., E. J. Votava. 1999. *Peppers : Vegetable and Spice. Capsicum sp.* CABI publ, London.
- Broers, L. H. M., X. Cuesta Subias, and R.M. Lopez Atilano. 1996. Field assessment of quantitative resistance to yellow rust in ten spring bread wheat cultivars. *Euphytica*, 90:9–16
- Chen, X., and R.F. Line. 1995. Gene numbr and heritability of wheat cultivars with durable, hih-temperature, adult-plant (HTAP) resistance and interaction of HTAP and race-specific seedling resistance to *Puccinia striiformis*. *Phytopathology*. 85:573-578.
- Connie, R., R. Wise, V. Jurukovski, J. Desaix, J. Choi, Y. Avissar. 2018. 12:3 Law of Heritance. [https://bio.libretexts.org/TextMaps/Introductory_and_General_Biology/Book%3A_A_General_Biology_\(OpenStax\)/3%3A_Genetics/12%3A_Mendel's_Experiments_and_Heridity/12.3%3A_Laws_of_Inheritance](https://bio.libretexts.org/TextMaps/Introductory_and_General_Biology/Book%3A_A_General_Biology_(OpenStax)/3%3A_Genetics/12%3A_Mendel's_Experiments_and_Heridity/12.3%3A_Laws_of_Inheritance). Diakses tanggal 15 Juli 2018.
- Crowder, L.V. 1993. *Genetika Tumbuhan*. (Alih Bahasa : L. Kusdiarti). Gadjah Mada University. Press, Yogyakarta
- Das, M. K., S. Rajaram, C.C. Mundt, and W.E. Kronstad. 1992. Inheritance of slow-rusting resistance to leaf rust in wheat. *Crop Science*. 32:1452–1456

- Demirci, F., F.S. Dolar. 2006. Effects of some plant materials on *Phytophthora blight* (*Phytophthoracapsici* Leon.) of pepper. Turkish Journal of Agriculture and Forestry 30:247-252
- Direktorat Jenderal Hortikultura. 2015. Statistik Produksi Hortikultura Tahun 2014. Direktorat Jenderal Hortikultura, Kementerian Pertanian.
- Djarwaningsih, T. 2005. *Capsicum* spp. (Cabai): Asal, Persebaran dan Nilai Ekonomi. Biodiversitas. 6(4):292-296.
- Duriat ., A. Widjaja, W. Hadisoeganda, T.A. Soetiarso, dan L. Prabaningrum. 1996. Tehnologi Produksi Cabai Merah. Balai Penelitian Tanaman Sayuran, Lembang.
- Egea-Gilabert, C., G. Bilotti, M. E. Requena, M. Ezziyyani, J.M. Vivo-Molina, and M.E. Candela. 2008. Pepper morphological traits related with resistance to *Phytophthora capsici*. *Biologia Plantarum* 52:105-109.
- Elrod, S. L., dan W.D. Stansfield. 2007. Genetika. Penerbit Erlangga, Jakarta
- Fehr, W.R. 1987. Principle of Cultivar Development. Theory and Technique. Mac Millan Pub. Co, New York
- Feng, B.Z., Li, P.Q., H.M. Wang, and X.G. Zhang. 2010. Functional analysis of *Pcpme6* from oomycete plant pathogen *Phytophthora capsici*. *Microb. Pathog.* 49:23–31.
- Fry, W.E., 1978. Quatification of general resistance of potato cultivars and fungicide effects fo integrated control of potato late blight. *Phytopathology* 68:1650-1655.
- Gil-Ortega, R., C. Palazón-Español, and J. Cuartero-Zueco. 1990. Genetics of resistance to *Phytophthora capsici* in the Mexican pepper ‘line 291. *Plant Breeding.* 20:117-122.
- Gil-Ortega, R., C. Palazón-Español, and J. Cuartero-Zueco. 1991. Genetics of resistance to *Phytophthora capsici* in the pepper line ‘SCM-334’. *Plant Breeding.* 107:50–55.
- Gil-Ortega, R., C. Palazón-Español, and J. Cuartero-Zueco. 1995. Interaction in the pepper-*Phytophthora capsici* system. *Plant Breeding* 114:74-75
- Greenleaf, W.H. 1986. Pepper breeding. In Basset MJ, Editor. *Pepper Breeding*. AVI Publishing Connecticut. 67-127.
- Guerrero, A., and J. laborde, 1980. Current status of pepper breeding for resistance to *phytophthora capsici* in mexico. *proc. ivth eucarpia meeting on capsicum. wageningen, the netherlands*,52—56.
- Hardham, A.R., and L.M. Blackman. 2010. Molecular cytology of *Phytophthora*–plant interactions. *Australas. Plant Pathol.* 39:29–35..

- Hong, J.K., and B.K. Hwang. 2005. Functional characterization of PR-1 protein, β -1,3-glucanase and chitinase genes during defense response to biotic and abiotic stresses in *Capsicum annuum*. *Plant Pathol. J.* 21:195–206.
- Hwang, B. K., and C.H. Kim 1995. *Phytophthora* blight of pepper and its control in Korea. *Plant Disease.* 79:221-227.
- Hwang, B.K., Y. J. Kim, and C. H. Kim. 1996. Differential interactions of *Phytophthora capsici* isolates with pepper genotypes at various plant growth stages. *European Journal of Plant Pathology* 102:311–316.
- Kempthorne, O. 1963. *An Introduction to Genetic Statistics.* John Wiley and Sons, Inc, New York.
- Kimble, K.A., and R.G. Grogan. 1960. Resistance to *Phytophthora* root rot in pepper. *Plant Dis. Rep.* 44: 872–873.
- Kim, Y. J., B.K Hwang, and C. H. Kim. 1996. Differential interaction of *phytophthora capsici* isolated with pepper genotypes at various plant growth stages. *European Journal of Plant Pathology* 102:311 – 316.
- Kim, Y.J., and B.K. Hwang. 1997. Isolation of a basic 34 kiloDalton β -1,3-glucanase with inhibitory activity against *Phytophthora capsici* from pepper stems. *Physiol. Mol. Plant Pathol.* 50: 103–115
- Kim, Y.K., Y. J. Koh, Y. Jang, S.G. Kim, 2010. Comparison of microbiological fungicides in antagonis activities related to the biological control of *Phytophthora blight* in chili pepper caused bty *Phytophthora capsici*. *Plant Pathology Journal* 4:340-345.
- Kusandriani. 1996. *Botani Tanaman Cabai Merah.* Balai Penelitian Sayuran, Bandung
- Lamour, K.H., and M. K. Hausbeck. 2004. *Phytophthora capsici* on vegetable crops: Research progress and management challenges. *Plant Dis.* 88:1292–1303.
- Lee, S.C., J.K. Hong, Y.J. Kim, and B.K. Hwang. 2000. Pepper gene encoding thionin is differentially induced by pathogens, ethylene and methyl jasmonate. *Physiol. Mol. Plant Pathol.* 56:207–216.
- Leonian, L.H. 1922. Stem and fruit blight of pepper caused by *Phytophthora capsici* species nov. *Phytopathology* 12:401–408.
- Lefebvre, L., and A. Palloix.1996. Both epistatic and additive effects of QTLs are involved in polygenic induced resistance to disease : a case study, the interaction pepper- *Phytophthora capsici* Lonian. *Theoretical and Applid Genetics* 93:503-511.
- Li, P.Q., B.Z. Feng, H.M. Wang, P.W. Tooley, and X.G. Zhang. 2011. Isolation of nine *Phytophthora capsici* pectin methylesterase genes which are differentially expressed in various plant species. *J. Basic Microbiol.* 51:61–70.

- Lynch. M., and B. 1998. Walsh, Genetics and Analysis of Quantitative Traits, Sinauer Associates, Sunderland, p. 980.
- Matthews, R.E.F. 1991. *Plant Virology*. Ed. Ke-3. Academic Press Inc, New York
- Miedaner, T., and U. Sperling. 1995. Effect of leaf rust on yield components of winter rye hybrids and assessment of quantitative resistance. *Journal of Phytopathology*. 143:725–730.
- Munoz, C.I, and A.M. Bailey. 1998. A cutinase-encoding gene from *Phytophthora capsici* isolated by differential-display RT-PCR. *Curr. Genet*. 33:225–230.
- Oelke, L.M., P.W. Bosland and R. Steiner. 2003. Differentiation of race specific resistance to *Phytophthora* root rot and foliar blight in *Capsicum annum*. *J. Am. Soc. Hortic. Sci*. 128:213–218.
- Palloix A., A.M Daubeze., T. Phaly, and E. Pochard, 1990. Breeding transgressive lines of pepper for resistance to *Phytophthora capsici* in a recurrent selection system. *Euphytica* 51:141-150.
- Pickersgill, B. 1971. Relationships between weedy and cultivated forms in some species of chili peppers (genus *Capsicum*). *Evolution* 25:683-691.
- Pickersgill, B. 1997. Genetic resources and breeding of *Capsicum* spp. *Euphytica* 96:129-133.
- Poehlman, J.M. 1987. *Breeding Field Crops*. AVI Publishers, New York.
- Putri, R.A.P.S., 2018. Efektivitas persilangan beberapa tetua tahan dan tetua rentan penyakit busuk batang *Phytophthora* (*Phytophthora capsici* Leon.) pada tanaman cabai (*Capsicum annum* Linn.). Fakultas Pertanian. Universitas Brawijaya. Skripsi.
- Quesada-Ocampo, L.M., and M.K. Hausbeck. 2010. Resistanc in tomato and wild relatives to crown and root rot caused by *Phytophthora capsici*. *The American Phytopathological society*. 100:619-627.
- Reddy, P. S., D.M. Rao, V.S.B. Reddy, and A. Kumar. 2010. Inheritance of male-fertility in A1, A2, A3 an A4(M) cytoplasmic male-sterility system of shorgum (*Sorgum bicolor* (L.) Moench). *Indian Journal Genetic* 3:240-246.
- Reeves, G., and A. Monroy-Barbosa, dan P.W. Bosland. 2013. A novel *Capsicum* gene inhibits host-specific disease resistance to *Phytophthora capsici*. *Phytopathology* 103: 472–478.
- Reifschneider, F.J.B., L. S. Boiteux, P. T. Della-Vecchia, J. M. Poulos and N. Kuroda. 1992. Inheritance of adult-plant resistance to *Phytophthora capsici* in pepper. *Euphytica* 62:45-49.

- Ristaino, J. B., and S. A. Johnston. 1999. Ecologically based approaches to management of *Phytophthora* blight on bell pepper. *Plant Disease* 83(12) : 1080-1089.
- Rubatzky, V. E. and M. Yamaguchi. 1999. *World Vegetable: Principles, Production, and Nutritive Values* (Sayuran Dunia: Prinsip, Produksi, dan Gizi, alih bahasa C. Herison). Institut Teknologi Bandung. Bandung
- Russel, G.E. 1981. *Plant Breeding for Pest and Disease Resistance. Studies in the Agricultural and Food Sciences*. Butterworths, London
- Setiadi. 2005. *Bertanam Cabai*. Penebar swadaya, Jakarta
- Silvar. C., F. Merino, and J. Diaz. 2008. Differential activation of defense-related genes in susceptible and resistant pepper cultivars infected with *Phytophthora capsici*. *Journal of Plant Pathology* 165:1120-1124.
- Shaner, G. dan Finney, RE. 1977. The effect of nitrogen fertilization on the expression of slow-mildewing resistance in knox wheat. *J. Phyto.*, 67:1051-1056.
- Shapiro, S.S., and M.B. Wilk. 1965. An analysis of variance test for normality (complete samples). 52:591-611.
- Siemonsma, J.S., and K. Piluek. 1994. vegetables. in *plant resources of south-east asia* 8. prosea. Bogor, Indonesia
- Sietsma, J.H., D.E. Everleigh, and R.H. Haskins. 1969. Cell wall composition and protoplast formation of some oomycete species. *Biochim. Biophys. Acta* 184: 306–317.
- Strickberger, M. W., 1976. *Genetics*, Second Edition. Macmillan Publishing, New York.
- Thabuis, A., A. Palloix, S. Pflieger and A-M. Daubéze. 2003. Comparative mapping of *Phytophthora* resistance loci in pepper germplasm : evidenc for conserved resistance loci across Solanaceae and for a large genetic diversity. *Theor. Appl. Genet* 106:1473-1485.
- Van der Plank, J.E., 1986. *Disease Resistance in Plants*. Acad. Press, London
- Walker, S. J., and P. W. Bosland. 1999. Inheritance of *Phytophthora* root rot and foliar blight resistance in pepper. *J. Amer. Soc. Hort. Sci* 124:14-18.
- Wang, H.Z., L. Fu, and X.G. Zhang. 2011. Comparison of expression, purification and characterization of a new pectate lyase from *Phytophthora capsici* using two different methods. *BMC Biotechnol.* 11: 32.
- Wang P., X. Liu, J. Guo, C. Liu, N. Fu & H. Shen. 2015. Identification and expression analysis of candidate genes associated with defense responses to *Phytophthora capsici* in pepper line “PI 201234”. *Int. J. Mol. Sci.* 16:11417–11438.



- Widhiarso, D. 2015. Studi Pola Pewarisan Dan Potensi Penggunaan Penanda Ketahanan Tanaman Cabai (*Capsicum Annuum L.*) Terhadap Busuk Batang *Phytophthora* (*Phytophthora Capsici* Leon.). Fakultas Pertanian Universitas Gadjah Mada. Tesis
- Wilcoxson, R. D., B. Skovmand, and A. H. Atif. 1975. Evaluation of wheat cultivars for ability to retard development of stem rust. *Annals of Applied Biology*. 80:275–281.
- Yildiz, M., and N. Delen. 1980. Studies on the wilt problem of pepper in Turkey. *Proceedings of the Fifth Congress of the Mediternean Phytopathology Union. Patras (Greece), 21 - 27 Sep. 1980 :172 - 174.*
- Yuniati, R., S. Sastrosumarjo, S. Sujiprihati, M. Surahman dan S.H. Hidayat. 2007. Ketahanan 22 genotipe cabai (*Capsicum spp.*) terhadap *Phytophthora capsici* Leonian dan keragaman genetiknya. *Buletin Agronomi* 35:103-111.