

DAFTAR REFERENSI

- Abliz, P., K. Fukushima, K. Takizawa, and K. Nishimura. 2004. Specific Oligonucleotida primers for identification of *Cladophialophora carional*, a causative agent Chromoblastomycosis. *Research Center for Pathogenic Fungi and Microbial Toxicoses*. Vol 42(1): 404-407.
- Adams, C.A, K. Zimmerman, K. Fenstermacher, M.G. Thompson, W. Skyrud, S. Behie, and A. Pringle. 2019. Fungal seed pathogen of wild chili pepper posses multiple mechanisms to tolerate capsaicinoids. *CC-BY-ND 4.0 International license*. doi: <http://dx.doi.org/10.1101/712711>.
- Adaskaveg, J.E, and R.J. Hartin. 1997. Characterization of *Colletotrichum acutatum* Isolates Causing Anthracnose of Almond and peach in California. *Phytopathology*, 87:979-987.
- Adhipathi, P.,S. Nakkeeran, and A. Chandrasekaran. 2013. Morphological Characterization and Molecular Phylogeny of *Colletotrichum capsici* Causing Leaf Spot Disease of Turmeric. *The Bioscan*, 8(1):331-337.
- Afanador-Kafuri, L, D. Minz, m. Maymon, and S. Freeman. 2003. Characterization of *Colletotrichum* Isolates from Tamarillo, Passiflora, and Mango in Columbia and Identification of a Unique Species from the Genus. *Phytopathology*, 93:579-587.
- Agarwal, G.P, D. Kulhara, and P.S. Bisen. 1977. In Vitro Production of Pectolytic Enzymes by *Pleospora infectoria* (Group) and *Nigrospora sphaerica* (Sacc.) Causing Pod Spots of Pea (*Pisum sativum*) and Bean (*Dolichos lablab*). *Biochem. Physiol. Pflanzen*, 171:7-16.
- Agrios, G.N. 2005. *Plant Pathology fifth edition*. Elsevier Academic Press. London.
- Ahn, I.P., H.S.Chung, and Y.H. Lee. 1998. Vegetative Compatibility Groups And Pathogenicity Among Isolates of *Fusarium oxysporum* f.sp. *cucumerinum*. *Pant.Dis*, 82:244-246.
- Ajith, P.S, and N. Lakshmidevi. 2011. Effect of Sodium and Potassium Salt on *Colletotrichum capsici* Incitant of Anthracnose on Bell Pepper. *Journal of Agricultural Technology*, 7(2):423-430.
- Albert, B., D. Bray, J. Lewis, M. Raff, K. Roberts and J. D. Watson. 1989. *Molecular Biology of the Cell*. Garland Publishing. Inc. New York, USA
- Anand. T, R. Bhaskaran, T.R.G. Karthikeyan, M. Rajesh, and G. Senthilraja. 2008. Production of Cell Wall Degrading Enzym and Toxins by *Colletotrichum capsici* and *Alternaria alternata* Causing fruit Rot of Chillies. *Journal of Plant Protection Research* 48(4): 437-451.
- Araujo, N.A.F, J.D.M. Viera, M.R. Moura, W.R.L.S. Pessoa, and B.M. Barquil. 2016. Pathogenicity and Aggressiveness of *Colletotrichum gloeosporioides* isolates in ornamental pepper. *Pesq. Agropec. Trop. Goiania*, 46(3): 321-326.
- Awadalla, O.A. 2008. Induction of Systemic Acquired Resistance in Tomato Plants Against Early Blight Disease. *Egypt.J. Exp. Biol. (Bot.)*, 4:53-59.
- Badan Pusat Statistik dan Direktorat Jenderal Hortikultura. 2018. Data Lima Tahun Terakhir 2014-2018. <https://www.pertanian.go.id/home/?show=page&act=view&id=61>. Diakses pada tanggal 15 Agustus 2019.
- Badriyah, L dan A.B. Manggara. 2015. Penetapan Kadar Vitamin C Pada Cabai Merah (*Capsicum annum* L.) Menggunakan Metode Spektrofotometri UV-Vis. *Jurnal Wiyata*, 2(1):25-28.
- Bailey, J.A and M.J. Jeger. 1992. *Colletotrichum: Biology, Pathology and Control*. Wallingford: Commonwealth Mycological Institute.

- Bailey, J.A., R.J. O'Connell, R.J. Pring, and C. Nash. 1992. *Infection Strategies of Colletotrichum Species*. In: *Colletotrichum: Biology, Pathology and Control*. Bailey, J.A., and M.J. Jeger, eds. British Society for Plant Pathology. pp.88-120.
- Banten Dalam Angka 2015. Badan Pusat Statistik. www.bantenprov.bps.go.id. Diakses pada tanggal 14 Oktober 2015.
- Barcelos, Q.L, E.A.Souza, and K.J. Damasceno e Silva. 2011. Vegetative Compatibility and Genetic Analysis of *Colletotrichum lindemuthianum* Isolat from Brazil. *Genet. Mol. Res.* 10(1):230-242.
- Beever, R.E, T.L.Olsen, and S.L.Parkes. 1995. Vegetative Compatibility Groups in *Colletotrichum gloeosporioides (Glomerella cingulata)* from Apple and Other Fruits. *Australasian Plant Pathology*, 24:126-132.
- Bellincampi, D, F. Cervone, and V. Lionetti. 2014. Plant Cell Wall Dynamics and Wall-Related Susceptibility in Plant-Pathogen Interactions. *Frontier in Plant Science*, 5 (228):1-8.
- Ben-Daniel, B, D. Bar-Zvi, D. Johnson, R. Harding, M. Hazanovsky, and L. Tsros (Lahkim). 2010. Vegetative Compatibility Groups in *Colletotrichum coccodes* Subpopulations from Australia and Genetic Links with Subpopulations from Europe/Israel and North America. *Phytopathology*, 100: 271-278.
- Bi, F.C, S. Barad, D. Ment, N. Luria, A. Dubey, V. Casado, N. Glam, J.D. Minguéz, E. A. Espeso, R. Fluhr, and D. Prusky. 2016. Carbon Regulation of Environmental pH by Secreted Small Molecules that Modulated Pathogenicity in Phitopathogenic Fungi. *Molecular Plant Pathology*, 17(8): 1178-1195.
- Braganca, C.A.D, U. Damn, R. Baroncelli, N.S. Massola Junior, and P.W. Crous. 2016. Species of the *Colletotrichum acutatum* complex associated with anthracnose diseases of fruit in Brazil. *Fungal Biology* 120: 547-561.
- Brooker, N, L. Leslie, M.B. Dickman. 1991. Nitrate Non-utilizing Mutant of *Colletotrichum* and their Use in Studies in Vegetative Compatibility and Genetic Relatedness. *Phytopathology*, 81: 672-677.
- Boubakri, H. 2018. The Role of Ascorbic Acid in Plant-Pathogen Interactions, In book: *Ascorbic Acid in Plant Growth, Development and Stress Tolerance*, Publisher: Springer International Publishing, Editors: Hossain, M.A., Munné-Bosch, S, Burritt, D.J., Vivancos, P.D., Fujita, M, Lorence, A. (Eds), pp.255-271.
- CABI. 2017. *Colletotrichum acutatum* www.cabi.org/isc/datasheet/14889. Diakses pada tanggal 3 Agustus 2017
- Cai, L, K.D. Hyde, P.W.J. Taylor, B.S. Weir, J.M. Waller, M.M. Abang, J.Z. Zhang, Y.L. Yang, S. Phoulivong, Z.Y. Liu, H. Prihastuti, R.G. Shivas, E.H. C. McKenzie, and P.R. Johnston. 2009. A Polyphasic Approach for Studying *Colletotrichum*. *Fungal Diversity*, 39:183-204.
- Cannon, P.F, U. Damm, P.R.Johnston, and B.S.Weir. 2012. *Colletotrichum*-current Status and Future Directions. *Studies in Mycology*, 73:181-213.
- Carvalho, C.R and M.C. Mendes-Costa. 2011. Vegetative Compatibility and Heterocaryon Formation Between Different Isolates of *Colletotrichum lindemuthianum* by Using The *nit* Mutant System. *Brazilian Journal of Microbiology*, 42: 346-353.
- Chattaoui, M, M.C. Raya, M. Bouri, J. Moral, M. Perez-Rodriquez, A. Trapero, M. Msallem, and A. Rhouma. 2016. Characterization of a *Colletotrichum* Population Causing Anthracnose Disease on Olive in Northern Tunisia. *J.of Appl. Micro*, 120: 1368-1381.

- Chowdappa, P and S.P.M. Kumar. 2012. Existence of Two Genetically Distinct Populations of *Colletotrichum gloeosporioides* Penz in Mango from India. *Pest Management in Horticultura Ecosystem*, 18(2): 161-170.
- Cohran, W.G. 1977. *Sampling Technique* Third Edition. John Wiley & Sons, New York.
- Curry, K.J, M. Abril, J.B. Avant, and B.J. Smith. 2002. Strawberry Anthracnose: Histopathology of *Colletotrichum acutatum* and *C. fragariae*. *Phytopathology*, 92: 1055-1063.
- Daerah Istimewa Yogyakarta Dalam Angka 2015. Badan Pusat Statistik. www.jogjakota.bps.go.id. Diakses pada tanggal 15 Oktober 2015.
- Damm, U, P.F.Cannon, J.H.C.Woudenberg, and P.W. Crous. 2012. The *Colletotrichum acutatum* species complex. *Studies in Micology* 73:37-113.
- Darvin, G. 2012. Effect of Environmental Factors on Chilli Fruit Rot Infection Caused by *Colletotrichum capsici*. *J Ecosyst Ecogr* 2(4): 115. DOI:10.4172/2157-7625.S1.009.
- de-Menezes, H.D, G.B. Rodrigues, S.P. Teixeira, N.S. Massola, L. Bachmann, M. Wainwright, and G.U.L. Braga. 2014. In-Vitro Photodynamic Inactivation of Plant-Pathogenic Fungi *Colletotrichum acutatum* and *Colletotrichum gloeosporioides* with Novel Phenothiazinium Photosensitizers. *Applied of Environmental Microbiology*, 80(5):1623-1632.
- Denoyes, B and A. Baudry. 1995. Species Identification and Pathogenicity Study of French *Colletotrichum* Strain Isolated from Strawberry Using Morphological and Cultural Characteristics. *Phytopathology*, 85:53-57.
- Desire, M.H, F. Bernard, M.R. Forsah, C.T. Assang, and O.N. Denis. 2014. Enzymes and Qualitative phytochemical screening of endophytic fungi isolated from *Lantana camara* Linn. Leaves. *Journal of Applied Biology and Biotechnology*, 2(06): 001-006.
- Devi, P.A and V. Prakasam. 2014. Histopathology Studies of Anthracnose and Powdery Mildew Disease in Chillies. *World.J.Biol.Bio.Sci* 2(6):98-101.
- Diao, Y.Z, C. Zhang, F. Liu, W.Z. Wang, L. Liu, L. Cai, and X.L. Liu. 2017. *Colletotrichum* Species Causing Anthracnose Disease of Chili in China. *Persoonia*, 38:20-37.
- Dingley, J.M and J.W. Gilmour. 1971. *Colletotrichum acutatum*, Simmd f.sp *pinna* Associated With 'Terminal Crook' Disease of *Pinus* spp. *New Zealand J. Of Forestry Sci.*, 2: 192-201.
- Ditlinhortikultura. 2015. Antraknosa. Kementerian Pertanian Republik Indonesia. http://ditlin.hortikultura.pertanian.go.id/index.php?option=com_content&view=article&id=71&Itemid=71. Diakses pada tanggal 16 Juli 2019
- Eisenman, H.C, and A. Casadevall. 2012. Synthesis and Assembly of Fungal Melanin. *Journal of Appl. Microbiol Biotechnol*, 93(3): 931-940.
- El-Gamal, G.N, Abdel-Kareem, F, Y.O, Fotouh, S.N. El-Mougy. 2007. Induction of Systemic Resistance in Potato Plants Against Late and Early Blight Diseases Using Chemical Inducers Under Greenhouse and Field Conditions. *Res.J. Agr. Biol. Sci.*,3(2):73-81.
- El-Sayed, M.E, F.H. Layla, O.A.M. Mohamed, I.E.S. Talaat, and R.A.A. Lobna. 2014. Anthracnose Disease (*Colletotrichum* sp.) Affecting Olive Fruit Quality and It's Control in Egypt. *International Journal of Agricultural Technology*, 10(5):1289-1306.
- Fahn, A. 1990. *Plant anatomy*. Pergamon Press.

- Fajar, M. 2018. Telaah Data Produksi Cabai Besar dan Cabai Rawit. DOI: 10.13140/RG.2.2.28672.33285. Diakses melalui: <http://www.researchgate.net/publication/324133429>. TELAAH DATA PRODUKSI CABAI BESAR DAN CABAI RAWIT.
- Feil, W.S, E.E.Butler, J.M. Duniway, and W.D. Gubler. 2003. The Effects of Moisture and Temperature on the Survival of *Colletotrichum acutatum* on Strawberry Residu in Soil. *Canadian Journl of Plant Pathology*, 25:362-370.
- Fernandes, T. R., D. Sergobe, D. Prusky, and A. Di-Pietro. 2017. How Alkalinization Dives Fungal Pathogenicity. *PLOS Pathogens*, 9:1-8.
- Fernando, T.H.P.S, C.K. Jayasinghe dan R.L.C. Wijesundera. 2001. Cell Wall Degrading Enzyme Secretion by *Colletotrichum acutatum*, the Causative Fungus of Secondary Leaf Fall of *Hevea brasiliensis* (rubber). *Mycological Research* 105: 195-201.
- Fokunang, C.N, A.G.O. Dixon, C.N. Akem, and T. Ikotun. 2000. Cultural, Morphological and Pathogenic Variability in *Colletotrichum gloeosporioides* f.sp. *Manihotis* Isolates from Cassava (*Manihot esculenta*) in Nigeria. *Pakistan Journal of Biological Science*, 3(4):542-546.
- Foster, H and J.E. Adaskaveg. 1999. Identification of Subpopulations of *Colletotrichum acutatum* and Epidemiology of Almond Anthracnose in California. *Phytopathology*, 89: 1056-1065.
- Franco, C.C.S, J.R. Sant Anna, L.J. Rosada, E.N. Kaneshima, J.R. Stangarlin, M.A.A. Casto-Prado. 2011. Vegetative Compatibility Groups and Parasexual Segregation in *Colletotrichum acutatum* Isolates Infecting Different Hosts. *Phytopathology*, 101:923-928.
- Freeman, S and T. Katan. 1997. Identification of *Colletotrichum* Species Responsible for Anthracnose and Root Necrosis of Strawberry in Israel. *Phytopathology* 87(5):516-521.
- Freeman, S. T. Katan, and E. Shabi. 1998. Characterization of *Colletotrichum* Species Responsible for Anthracnose Disease of Various Fruits. *Plant Disease*, 82(6):596-605.
- Freeman, S, D. Minz, E. Jurkevitch, M. Maymon, and E. Shabi. 2000. Molecular Analyses of *Colletotrichum* Species from Almond and Other Fruits. *Phytopathology*, 90: 608-614.
- Freeman, S. Z. Shalev, J. Katan. 2002. Survival in Soil of *Colletotrichum acutatum* and *C. gloeosporioides* Pathogenic on Strawberry. *Plant.Dis*, 86: 965-970.
- Freeman, S, D. Minz, M. Maymon, and A. Zveibil. 2001. Genetic Diversity Within *Colletotrichum acutatum* sensu Simmonds. *Phytopathology*, 91:586-592.
- Freeman, S. 2008. Management, Survival Strategies, and Host range of *Colletotrichum acutatum* on Strawberry. *Hort Science*, 43(1):66-68.
- Garrido, C, M. Carbu, F.J. Fernandez-Acero, N. Boonham, A. Colyer, J.M. Cañtoral, and G. Budge. 2009. Development of Protocols for Detection of *Colletotrichum acutatum* and Monitoring of Strawberry Anthracnose Using Real-Time PCR. *Plant Pathology*, 58:43-51.
- Garut Dalam Angka 2015. Badan Pusat Statistik. www.garutkab.bps.go.id. Diakses pada tanggal 8 Oktober 2015.
- Gautam, A.K. 2013. The Genera *Colletotrichum*: a Incitant of Numerous New Plant Disease in India. *Journal of New Biological Reports*, 3(1):09-21.
- Geetha, S, K. Irandi, S. Ganesan, and P. Mehalingam. 2016. Preliminary Phytochemical Screening of Different Solvent Extract of Leaves and Stem of

- Crataeva religiosa* Hook & Frost. *International Journal of Botany Studies*, 1(4): 24-26.
- Ghosh, R, S.Bhadra, and M. Bandyopadhyay. 2016. Morphological and Molecular Characterization of *Colletotrichum capsici* Causing Leaf-Spot on Soybean. *Tropical Plant Research*, 3(3):481-490.
- Glass, N.L., J. D. Jacobson, and P.K.T. Shiu. 2000. The Genetics of Hyphal Fusion and Vegetative Incompatibility in Filamentous Ascomycete Fungi. *Phytopathology*, 92: 986-996.
- Gomes, S, P. Prieto, T. Carvalho, H. Guedes-Pinto, and P. Martins-Lopez. 2012. *Olive-Colletotrichum acutatum: An example of fruit-fungal interaction*. In: *Plant Breeding*. I. Abdurakhmonov (ed.) ISBN 978-953-307-932-5. In Tech, p247-264.
- Gonzales, E, T.B. Sutton, and J.C. Correl. 2006. Clarification of the Etiology of Glomerella Leaf Spot and Bitter Rot of Apple Caused by *Colletotrichum* spp. Based on Morphology and Genetic, Molecular, and Pathogenicity Tests. *Phytopathology*, 96: 982-992.
- Grahovac, M, D. Indic, S. Vukovic, J. Hrustic, S. Gvozdenac, M. Mihajlovic, and B. Tanovic. 2012. Morphological and Ecological Features as Differentiation Criteria for *Colletotrichum* Species. *Zemdirbyste Agriculture*, 99(2):189-196.
- Guarnaccia, V, J.Z. Groenewald, G. Polizzi, and P.W. Crous. 2017. High Species Diversity in *Colletotrichum* Associated with Citrus Diseases in Europe. *Persoonia*, 39:32-50.
- Guidarelli, M, F. Carbone, F. Morgues, G. Perrotta, C. Rosati, P. Bertolini, and E. Baraldi. 2011. *Colletotrichum acutatum* Interaction with Unripe and Ripe Strawberry Fruits and Differential Responses at Histological and Transcriptional Level. *Plant Pathol.*, 60:685-697.
- Gunnell, P.S and W.D. Gubler. 1992. Taxonomy and Morphology of *Colletotrichum* Species Pathogenic to Strawberry. *Mycologia*, 84(2):157-165.
- Hakim, A, M. Syukur, dan Widodo. 2014. Ketahanan Penyakit Antraknosa Terhadap Cabai Lokal dan cabai Introduksi. *Bul. Agrohorti*, 2(1):31-36.
- Hassan, N, S.U. Rehman, and H. Bano. 2017. Environmental Factors Affecting Growth of Pathogenic Fungi Causing Fruit Rot in Tomato (*Lycopersicon esculentum*). *International Journal of Engineering Research & Technology*, 6(2):578-584.
- Hasyiyati, S.N., A. Supriyadi, B. Raharjo, dan K. Dwiatmi. 2017. Isolasi dan Karakterisasi Kapang Endofit dari Pegagan (*Centella asiatica* (L.) Urban). *Jurnal Biologi.*, 6(2): 66-74.
- Heilman, L.J, N. Nitzan, D.A. Johnson, J.S. Pasche, C. Doetkott and N.C. Gudmestad. 2006. Genetic Variability in The Potato Pathogen *Colletotrichum coccodes* as Determined by Amplified Fragment Length Polymorphism and Vegetative Compatibility Group Analyses. *Phytopathology*, 96 (10):1097-1107.
- Hemelrijck, W.V, J. Debode, K. Heungens, M. Maes and P. Creemers. 2010. Phenotypic and Genetic characterization of *Colletotrichum* isolates from Belgian Strawberry Fields. *Plant Pathology*, 59: 853-861.
- Huballi, M, A. Sornakili, S. Nakkeeran, T. Anand, and T. Raguchander. 2011. Virulence of *Alternaria alternata* Infecting Noni Associated with Production of Cell wall Degrading Enzymes. *Journal of Plant Protection Research*, 51 (1): 87-92.

- Hopkins, J.C, W. Lock, and A. Funk. 1985. *Colletotrichum acutatum* a New Pathogen on Western Hemlock Seedlings in British Columbia. *Canadian Plant Disease Survey*, 65(1): 11-13.
- Hyde, K.D, L. Cai, P. F. Cannon, J. A. Crouch, P.W. Crous, U. Damm, P.H. Goodwin, H. Chen, P.R. Johnston, E.B.G. Jones, Z.Y. Liu, E.H.C. McKenzie, J. Moriwaki, P. Noireung, S.R. Pennycook, L.H. Pfenning, H. Prihastuti, T. Sato, R.G. Shivas, Y.P. Tan, P.W.J. Taylor, B. S. Weir, Y. L. Yang, and J. Z. Zhang. 2009. *Colletotrichum* – Names in Curren Use. *Fungal Diversity*, 39:147-182.
- Ibrahim, R, S.H. Hidayat, dan Widodo. 2017. Keragaman Morfologi, Genetika, dan Patogenesisitas *Colletotrichum acutatum* Penyebab Antraknosa Cabai di Jawa dan Sumatera. *Jurnal Fitopatologi Indonesia*, 13 (1): 9-16.
- Idnurm, A and J. Heitman. 2005. Light Controls Growth and Development via a Conserved Pathway in the Fungal Kingdom. *PLoS Biology*, 3(4):0615-0626.
- Jawa Barat Dalam Angka 2015. Badan Pusat Statistik. www.jabarprov.go.id. Diakses pada tanggal 10 Oktober 2015.
- Jawa Tengah Dalam Angka 2015. Badan Pusat Statistik. www.jateng.bps.go.id. Diakses pada tanggal 10 Oktober 2015.
- Jawa Timur Dalam Angka 2015. Badan Pusat Statistik. www.jatim.bps.go.id Diakses pada tanggal 14 Oktober 2015.
- Jayasinghe, C.K and T.H.P.S. Fernando. 2009. First Report of *Colletotrichum acutatum* on *Mangifera indica* in Sri Lanka. *Cey.J. Sci. (Bio. Sci.)*, 38 (1): 31-34.
- Jayawardena, R.S, X.H. Li, M. Liu, W. Zhang, and J.Y. Yan. 2016. Mycosphere Essay 16: *Colletotrichum*: Biological Control, Bio-catalist, Secondary Metabolites and Toxins. *Mycosphere*, 7(8):1164-1176.
- Kenny, M.K, V.J. Galea, T. Price, and T. Price. 2012. Germination and Growth of *Colletotrichum acutatum* and *Colletotrichum gloeosporioides* Isolates from Coffee in Papua New Guinea and Their Pathogenicity to Coffee Berries. *Australasian Plant Pathology*, 41: 519-528.
- Khan, T.A, M. Mazid, and F. Mohammad. 2011. Role of Ascorbic Acid Against Pathogenesis in Plants. *J. of Stress Physiol. and Biochem.*, 7(3):222-234.
- Kraikruan, W., S. Sangchote, and S. Sukprakarn. 2008. Effect of Capsaicin on Germination of *Colletotrichum capsici* Conidia. *Kasetsart.J.(Nat.Sci.)*, 42:417-422.
- Krnjaja, V, J. Levic, S. Stankovic, and T. Vasic. 2013. The Use of Vegetative Compatibility Tests for Identification of Biodiversity of Phytopathogenic fungi. *Pestic. Phytomed. (Belgrade)* 28(3):157-165.
- Kulonprogo Dalam Angka 2015. Badan Pusat Statistik. www.kulonprogokab.go.id. Diakses pada tanggal 9 Oktober 2015.
- Kommula, S.K, G.P.D. Reddy, P. Undrajavarapu, and K.S. Kanchana. 2017. Effect of Various Factors (Temperature, pH and Light Intensity) on Growth of *Colletotrichum capsici* Isolated from Infected Chilli. *International Journal of Pure and Applied Bioscience*, 5(6):535-543.
- Kumar, S, V. Singh, and R. Garg. 2015. Cultural and Morphological Variability in *Colletotrichum capsici* Causing Anthracnose Disease. *Int.J.Curr.Microbiol.App.Sci.* 4(2):243-250.
- Lardner, R, P.R. Johnston, K.M. Plummer, and M.N. Pearson. 1999. Morphological and Molecular Analysis of *Colletotrichum acutatum sensu lato*. *Mycol. Res*, 103(3):275-285.

- Leandro, L.F.S. 2002. Ecology and Epidemiology of *Colletotrichum acutatum* on Symptomless Strawberry Leaves. Dissertation, Iowa State University, Ames, Iowa, pp.1-119.
- Lee, S.B., and J.W. Taylor. 1990. Isolation of DNA from Fungal Mycelia and Single Spores. Pages; 282-287. In: PCR Protocols, A Guide to Methods and Applications. M.A. Innis, D.H. Gelfand, J.J. Sninsky, and T.J. White, eds. Academic Press, San Diego, CA.
- Leslie, J. 1993. Fungal vegetative compatibility. *Annual Review of Phytopathology* 31(1): Pp.127-150.
- Leslie, J.F and K. A. Zeller. 1996. Heterokaryon Incompatibility in Fungi-More Than Just Another Way to Die. *J. Genet.*, 75(3): 415-424.
- Leslie, J and Summerell, B.A. 2006. Vegetative Compatibility Groups (VCGs). In: *The Fusarium Laboratory Manual (Leslie, JF and Summerell, BA, eds)*. Blackwell Publishing Ltd., Malden, 31-43.
- Lewis-Ivey, M.L, C. Nava-Diaz, and S.A. Miller. 2004. Identification and Management of *Colletotrichum acutatum* on Immature Bel Peppers. *Plant.Dis.*, 88:1198-1204.
- Liao, C.Y, M.Y. Chen, Y.K. Chen, K.C. Kuo, K.R. Chung, and M.H. Lee. 2011. Formation of Highly Branched Hyphae by *Colletotrichum acutatum* Within The Fruit Cuticles of *Capsicum* spp. *Plant Pathology*: Pp.1-9.
- Lima, C.S., J.H.A. Monteiro, N.C. Crespo, S.S. Costa, J.F. Leslie, and L.H. Pfenning. 2009. VCG and AFLP Analyses Identify the Same Groups in the Causal Agents of Mango Malformation in Brazil. *European Journal Plant Pathology* 123:17-26.
- Liu, F, G. Tang, X. Zheng, Y. Li, X. Sun, X. Qi, Y. Zhou, J. Xu, H. Chen, X. Chang, S. Zhang, and G. Gong. 2016. Molecular and Phenotypic Characterization of *Colletotrichum* Species Associated with Anthracnose Disease in Peppers from Sichuan Province, China. *Scientific Report*, 6(32761):1-17.
- Ludwig, N, M. Lohrer, M. Hempel, S. Mathea, I. Schliebner, M. Menzel, A. Kiesow, U. Schaffrath, H.B. Deising, and R. Horbach. 2014. Melanin is not Required for Turgor Generation but Enhances Cell-Wall Rigidity in Appressoria of the Corn Pathogen *Colletotrichum graminicola*. *Molecular Plant Microba Interaction*, 27 (4): 315-327.
- Maciel, D.B, L.V. de Medeiros, V.V. de Medeiros, M.P.C. Leao, L.E.A. Camargo, and N.T. de Oliveira. 2010. Amplification of the *cap20* Pathogenicity Gene and Genetic Characterization Using Different Markers Molecular in *Colletotrichum gloeosporioides* Isolates. *Braz. Arch. Biol. Technol.*, 53(6):1255-1265.
- Malang Dalam Angka 2015. Badan Pusat Statistik. www.malangkab.bps.go.id. Diakses pada tanggal 10 Oktober 2015.
- Masoodi, L., A. Anwar, S. Ahmed, and T. A. Sofi. 2012. Cultural, Morphological, and Pathogenic Variability in *Colletotrichum capsici* causing Die-back and Fruit Rot of Chilli. *Asian J. of Plant Pathol*, 1-13.
- McFeeters, R.F, L. Hankin, and G.H. Lacy. 1992. Pectinolytic and Pectolytic Organisms. In: *Compendium of methods for the microbiological examination of food*. Vanderzant, C and Splitttoesser, D.F, eds. American Public Health Assotiation, Washington.
- Medeiros . L.V, D.B. Maciel, V.V. Medeiros, L.M.H. Kiddo, and N.T. Oliveira. 2010. *pelB* Gene in Isolates of *Colletotrichum gloeosporioides* from Several Hosts. *Genet. Mol. Res.*, 9(2):661-673.

- Mello, A.F.S, A.C.Z. Machado, and I.P. Bedendo. 2004. Development of *Colletotrichum gloeosporioides* Isolated from Green Pepper in Different Culture Media, Temperatures and Light Regimes. *Sci. Agric (Piracicaba, Braz)*, 61(5):542-544.
- Miles, T.D. 2011. *Infection of Blueberries by Colletotrichum acutatum: Host Defenses, Inheritance of Resistance and Environmental Effects*. Dissertation. Michigan State University.
- Montri P, Taylor P.W.J, and O. Mongkolporn. 2009. Pathotypes of *Colletotrichum capsici*, the Causal Agent of Chili Anthracnose, in Thailand. *Plant Disease* 93:17-20
- Moraes, S.R.G, F.A.O, Tanaka, and N.S.M, Junior. 2013. Histopathology of *Colletotrichum gloeosporioides* on Guava Fruits (*Psidium guajava*,L.). *Rev.Bras.Frutic Jaboticabal-SP*, 35(2):657-664.
- Moore E, L. 1972. *The Fungi*. Prentice-Hall of Canada, Ltd., Toronto.
- Naranayasamy, P. 2011. *Microbial Plant Pathogens-Detection and Diagnosis: Fungal Pathogens Vol. I*. Springer, New York, Pp. 19-24.
- Nitzan, N, M. Hazanovsky, M. Tal, and L. Tsrör (Lahkim). 2002. Vegetative Compatibility Groups in *Colletotrichum coccodes*, the Causal Agent of Black Dot on Potato, *Phytopathology*, 92: 827-832.
- Nosanchuk, J.D, R.E. Stark, and A. Casadevall. 2015. Fungal Melanin: What do We Know About Structure? *Frontier in microbiology*, 6 (article 1463).
- Nova, M.X.V, L.R. Borges, A.C.B. de Sousa, B.T.R.V. Brasileiro, E.A.L.A. Lima, A.F. da Costa, and N.T. de Oliveira. 2011. Pathogenicity for Onion and Genetic Diversity of Isolates of the Pathogenic Fungus *Colletotrichum gloeosporioides* (Phyllachoraceae) from the State of Pernambuco, Brazil. *Genetics and Molecular Research*, 10 (1): 311-320.
- Om, P and S.K. Khirbat. 2011. Biochemichal Basis of Resistance to Fruit Rot (*Colletotrichum capsici*) in Chilli Genotype. *Plant Disease Research*, 26(2):180.
- Oo, M.M and S.K. Oh. 2016. Chilli Anthracnose (*Colletotrichum* spp.) Disease and Its Management Approach. *Korean Journal of Agricultural Science*, 43(2):153-162.
- Pandeglang dalam angka 2015. Badan Pusat Statistik. www.pandeglangkab.go.id. Diakses pada tanggal 10 Oktober 2015.
- Pandey. A, B.K. Pandey, M. Muthukumar, L.P. Yadava, and U.K. Chouhan. 2012. Histopathological Study of Infection Process of *Colletotrichum gloeosporioides* Penz and Sacc. on *Mangifera indica*, L. *Plant. Pathol. J.*, 11(1) 18-24.
- Pardo, E.M, C.F. Grellet, S.M. Salazar, A.P. Castagnaro, J.C. Diaz-Ricci, and M.E. Erias. 2012. Histopathology of the Resistance to *Colletotrichum gloeosporioides* of Wild Strawberries and Species Related to Commercial Strawberry. *Australian J. of Crop Sci*, 6(7): 1147-1153.
- Paul, N.C, H.B. Lee, J.H. Lee, K.S. Shin, T.H. Ryu, H.R. Kwon, Y.K. Kim, Y.N. Youn, and S.H. Yu. 2014. Endophytic Fungi from *Lycium chinense* Mill and Characterization of Two New Korean Records of *Colletotrichum*. *Int. J. Mol. Sci.*, 15:15272-15286.
- Peres, N. A, L.W.Timmer, J.E. Adaskaveg, and J.C. Correl. 2005. Lifestyles of *Colletotrichum acutatum*. *Plant Disease*, 89(8):784-796.
- Pfeiffer, I, J. Burger, and B. Brenig. 2004. Diagnostic polymorphisms in the mitochondrial cytochrome b gene allow discrimination between cattle, sheep, goat, roe buck and deer by PCR-RFLP. *BMC Genetics* 5:30.

- Photita, W., Taylor, P.W.J. R. Ford, K.D. Hyde, and S. Lumyong. 2005. Morphological and Molecular Characterization of *Colletotrichum* Species from Herbaceous Plant in Thailand. *Fungal Diversity* 18: 117-133.
- Phutela, U, V. Dhuna, S. Sandhu, and B.S. Chadha. 2005. Pectinase and Polygalacturonase Production by a Thermophilic *Aspergillus fumigatus* Isolated from Decomposing Orange Peels. *Brazilian Journal of Microbiology*, 36:63-69.
- Piay, Sherly Sisca, A. Tyasdjaja, Y. Ermawati, dan F.R.P. Hantoro. 2010. *Budidaya dan Pascapanen Cabai Merah (Capsicum annum L.)*. Balai Pengkajian Teknologi Pertanian Jawa Tengah, Ungaran.
- Pongpisutta, R., W. Winyarat, and C. Rattanakreetakul. 2013. RFLP Identification of *Colletotrichum* Species Isolated from Chilli in Thailand. *Acta Hort* 973:181-186
- Prihastuti, H, L. Chai, H. Chen, E.H.C. McKenzie, and K.D. Hyde. 2009. Characterization of *Colletotrichum* Species Associated with Coffee Berries in Northern Thailand. *Fungal Diversity*, 39, 89-109.
- Pring, R.J., C. Nash, M. Zakaria, and J.A. Bailey. 1995. Infection Process and Host Range of *Colletotrichum capsici*. *Physiological and Molecular Plant Pathology*, 46: 137-142.
- Pusat Pengkajian Perdagangan Dalam Negeri. 2019. *Analisis Perkembangan Harga Bahan Pangan Pokok di Pasar Domestik dan Internasional*. Kementerian Perdagangan Republik Indonesia, Jakarta
- Pusztahelyi, T, I.J. Holb, and I. Poesi. 2015. Secondary Metabolites in Fungus-Plant Interactions. *Frontier in plant science*, vol. 6 (article 573). Pp. 1-23.
- Raj, T.S, D.J. Christopher, and H.A. Suji. 2014. Morphological, Pathogenic and Genetic Variability in *Colletotrichum capsici* Causing Fruit Rot in Tamil Nadu, India. *African Journal of Biotechnology* 3(17): 1786-1790.
- Rasmussen, H.B. 2012. *Restriction Fragment Length Polymorphism Analysis of PCR-Amplified Fragment (PCR-RFLP) and Gel Electrophoresis-Valuable Tool for Genotyping and Genetic Fingerprinting*. In: *Gel –Electrophoresis Principles and Basic*. Magdeldin, S, ed. InTech, Croatia.
- Ratanacherdchai, K., H.K. Wang, F.C. Lin, and K. Soyong. 2010. ISSR for Comparison of Cross-Inoculation Potential of *Colletotrichum capsici* Causing Chilli Anthracnose. *Afr. J. Microbiol. Res* 4(1): 076-083.
- Reyes-Escogido, M.L, E.G. Gonzales-Mondragon, and E. Vazquez-Tzompantzi. 2011. Chemical and Pharmacological Aspects of Capsaicin. *Molecules* 16:1253-1270.
- Ridzuan, R, M.Y. Rafii, S.I. Ismail, M.M. Yusoff, G. Miah, and M. Usman. 2018. Review Breeding for anthracnose disease resistance in chili: Progress and prospect. *Int. J. of Mol. Sci*, 19 (3122): Pp.1-21.
- Roberts, R.J, M. Belfort, T. Bestor, A.S. Bhagwat, T.A. Bickle, J. Bitinaite, R.M. Blumenthal, S.K. Degtyarev, D.T.F. Dryden, K. Dybvig, K. Firman, E.S. Gromova, R.I. Gumport, S.E. Halford, S. Hattman, J. Heitman, D.P. Hornby, A. Janulaitis, A. Jeltsch, J. Josephsen, A. Kiss, T.R. Klaenhammer, I. Kobayashi, H. Kong, D.H. Kruger, S. Lacks, M.G. Marinus, M. Miyahara, R.D. Morgan, N.E. Murray, V. Nagaraja, A. Piekarowicz, A. Pingoud, E. Raleigh, D.N. Rao, N. Reich, V.E. Repin, E.U. Selker, P.C. Shaw, D.C. Stein, B.L. Stoddard, W. Szybalsky, T.A. Trautner, J.L. van Etten, J.M.B. Vitor, G.G. Wilson, and S. Xu. 2003. Survey and Summary A Nomenclature for Restriction Enzyme, DNA Methyltransferases, Homing Endonucleases and their Genes. *Nucleic Acid Research*, 31(7): 1805-1812.

- Sadoughi, N. 2016. Effect of Ripe Rot of Grapes (*Colletotrichum* spp.) on the Chemical Composition and Off-Flavour Compounds in Grapes and Wine. Dissertation.
- Sahitya, L, S. Deepthi, P. Kasim, P. Suneetha, and M.S.R. Khrisna. 2014. Anthracnose, a Prevalent Disease in Capsicum. *Research J. of Pharmaceutical, Biological, and Chemichal Sciences* 5(3):1583-1604.
- Sanei,S.J and S.E. Razavi. 2011. Differentiation of Olive *Colletotrichum gloeosporioides* population on the Basis Vegetative Compatibility and Pathogenicity. *African Journal of Agricultural Research* 6(9):2099-2107.
- Sangdee, A, S. Sachan and S. Khankhum. 2011. Morphological, Pathological and Molecular Variability of *Colletotrichum capsici* Causing Anthracnose on Chili in the North-east of Thailand. *Afr.J.Microbiol.Res.* 5(25):4368-4372.
- Sariah, M. 1994. Potential of *Bacillus* spp. as a Biocontrol Agent for Anthracnose Fruit Rot of Chili. *Mall.Appl.Biol.*, 23: 53-60.
- Sass, J.E. 1968. *Botanical Microtechnique*. Third Ed. The State College Press, Iowa.
- Sato, T, J. Moriwaki, and T. Mizawa. 2013. Molecular Re-Identification of Strains of the *Colletotrichum acutatum* Species Complex Deposited in the NIAS Genebank and Morphological Characteristic of its Member Species. *JARQ*, 47(3):205-305.
- Sawant, I.S., S.P, Narker, D.S. Shetty, A. Upadhyay, and S.B. Sawant. 2012. First Report of *Colletotrichum capsici* Causing Anthracnose on Grapes in Mahasthra, India. *New Disease Report*, 25:2.
- Saxena. A, R, Raghuwanshi, V.K. Gupta, and H.B. Singh. 2016. Chilli Anthracnose: The Epidemiology and Management. *Frontier in Microbiology*,7: 1-18.
- Schneider, S, D. Roesseli, L. Excoffier. 2000. *Arlequin: A Software for Population Genetics Data Analysis. Version Ver 2.000* Geneva (Switzerland): Genetics and Biometry Laboratory, Department of Anthropology, University of Geneva.
- Scholnick, S, A. Dinoor, and L. Tsror (Lahkim). 2007. Additional Vegetative Compatibility Groups in *Colletotrichum coccodes* Subpopulation from Europe and Israel. *Plant Dis*, 91:805-808.
- Semangun, H. 2007. *Penyakit-Penyakit Tanaman Hortikultura di Indonesia*. Gadjah Mada University Press, Yogyakarta. pp. 55.
- Sergeeva, V, R. Spooner-Hart, and N.G. Nair. 2008. First Report of *Colletotrichum acutatum* and *C. gloeosporioides* Causing Leaf Spot of Olive (*Olea europaea*) in Australia. *Australasian Plant Disease Notes*, 3: 143-144.
- Shi, A, S. Kantartzi, M. Mmbaga, and P. Chen. 2010. PCR-RFLP is a Usefull Tool to Distinguish Two Powdery Mildew Pathogens of Flowering Dogwood (*Cornus florida*). *Agric. Biol. J. N. Am.*, 1(3):208-212.
- Shivas, R.G and Y.P. Tan. 2009. A Taxonomic Re-Assesment of *Colletotrichum acutatum*, Introducing *C. florinae*, comb.et.stat.nov. and *C. simmondsii*. sp.nov. *Fungal Diversity*, 39:111-122.
- Silva, S.A.M, R. Rodrigues, L.S.A. Gonçalves, C.P. Sudré, C.S. Bento, M.G.F. Carmo, and A.M. Medeiros. 2014. Resistance in *Capsicum* spp. to Anthracnose Affected by Different Stages of Fruit Development During Pre- and Post-Harvest. *Trop. Plant Pathol.* Vol .39(4). Pp. 335-341.
- Silva, M.G, E. A. Pozza, C.V. R. V. Lima, T. J. Fernandes. 2016. Temperature and Light Intensity Interaction on *Cercospora coffeicola* Sporulation and Conidia Germination. *Ciencia e Agrotecnologia*, 40(2): 198-204.
- Simmonds, J.H. 1965. A Study of the Species of *Colletotrichum* Causing Ripe Fruits Rots in Queensland. *Queensland Journal of Agricultural and Animal Science*, 22:437-459.

- Smith, B.J. 2008. Epidemiology and Pathology of Strawberry anthracnose: A North American Perspective. *HortScience*, 43: 73.
- Soumya, K, L. Swathi, G. L. Sreelatha, and T. Sharmila. 2014. Light Influences Pigment, Biomass and Morphology in *Chaetomium cupreum* -SS02- A Photorespon Study. *International Journal of Current Microbiology and Applied Sciences*, 3(4):53-64.
- Stankova, B, J. Vichova, and R. Pokorny. 2011. Virulence of *Colletotrichum acutatum* Isolates to Several Plants. *ACTA Universitatis Agriculturae et Silviculturae Mendelianae Brunensis*, 3: 161-169.
- Steel, C.C, L.A. Greer, S. Savocchia and S.K. Samuelian. 2011. Effect of Temperature on *Botrytis cinerea*, *Colletotrichum acutatum* and *Greeneria uvicula* Mix Fungal Infection of *Vitis vinifera* Grape berries. *Vitis*, 50 (2):69-71.
- Sudirga, S.K. 2016. Isolasi dan Identifikasi Jamur *Colletotrichum* spp. Isolat PCS Penyebab Penyakit Antraknosa Pada Buah Cabai Besar (*Capsicum annum* L.) di Bali. *Jurnal Metamorfosa III* (1): 23-30.
- Sumarni, N dan A. Muharam. 2005. *Budidaya Tanaman Cabai Merah*. Balai Penelitian Tanaman Sayuran. Bandung.
- Talhinhas, P, S. Sreenivaprasad, J. Neves-Martins, and H. Oliveira. 2002. Genetic and Morphological Characterization of *Colletotrichum acutatum* Causing Anthracnose of Lupins. *Phytopathology*, 92:986-996.
- Talhinhas, P, E. Goncalves, S. Sreenivasaprasad, and H. Oliveira. 2015. Virulence Diversity of Anthracnose pathogens (*Colletotrichum acutatum* and *C. gloeosporioides* species complexes) on eight olive cultivars commonly grown in Portugal. *Eur J. Plant Pathol.*, 142: 73-83.
- Temanggung Dalam Angka 2015. Badan Pusat Statistik. www.temanggungkab.go.id. Diakses pada tanggal 15 Oktober 2015.
- Than, P.P, H. Prihastuti, S. Phoulivong, P.W. Taylor, and K.D. Hyde. 2008. Chilli Anthracnose Disease Caused by *Colletotrichum* species. *J Zhejiang Univ Sci B* 9(10): 764-778.
- Thangamani, P.R., P. Kuppusamy, M.F. Peeran, K. Gandhi, and T. Raguchander. 2011. Morphological and Physiological Characterization of *Colletotrichum musae* the Causal Organism of Banana Anthracnose. *J.Agric.Sci.*, 7(6): 741-754.
- Tisch, D and M. Schmoll. 2010. Light Regulation of Metabolic pathway in fungi. *Appl. Microbiol Biotechnol*, 85: 1259-1277.
- Van-Hemelrijk, W, J. Dabode, K. Heungens, M. Maes, and P. Creemers. 2010. Phenotypic and Genetic Characterization of *Colletotrichum* Isolates from Belgian Strawberry Fields. *Plant Pathology*, 59:853-861.
- Velmurugan, P, Y.H. Lee, C. K. Venil, P. Lakshmanaperumalsamy, J. Chae, and B. Oh. 2010. Effect of Light on Growth, Intracellular and Extracellular Pigmen Production by Five Pigment Producing Filamentous Fungi in Synthetic Medium. *Journal of Bioscience and Bioengineering*, 109(4):346-350.
- Viaud, M, A. Pasquier, and Y. Brygoo. 2000. Diversity of Soil Fungi Studied by PCR-RFLP of ITS. *Mycol.Res.*, 104(9):1027-1032.
- Vicente, L.P, A.B. Battle, and M.A. Dita. 2014. Protocol for Determination of Vegetative Compatibility Groups (VCGs): Technique of Puhala (1985) and Correll *et al.* (1987) Based on the Generation of Auxotrophic that do not Use NO₃ (*Nit* Mutants). Regional Training Workshop on the diagnosis of Fusarium wilt organised by the FAO regional office of the Caribbean and CARDI on 5-9 May 2014 in St. Augustine, Trinidad and Tobago.

- Vitale, S and A. Infantino. 2014. Presence of *Colletotrichum acutatum* Causing Anthracnose on Hot Pepper in Central Italy. *Journal of Plant Pathology*, 96(3):603-611.
- Voorrips, R.E, R. Finkers, L. Sanjaya, L. Groenwold. 2004. QTL Mapping of Anthracnose (*Colletotrichum* spp.) Resistance in a Cross Between *Capsicum annuum* and *C. chinense*. *Theor. Appl Genet* 109:1275-1282.
- Waalwijk, C and R.A. Flavell. 1978. MspI, an Isoschimer of HpaII which Cleaves both Unmethylated and Methylated HpaII Sites. *Nucleic Acid Research*, 5(9):3231-3236.
- Walker, G.M and N.A. White. 2017. *Introduction to Fungal Physiology*. In: K. Kavangh, ed: *Fungi: Biology and Applications*. John Wiley & Sons.
- Watson, A.K. 1991. *The Classical Approach with Plant Pathogen*. In: Microbial Control of Weeds, TeBeest, D.O, ed. Chapman and Hall, New York, pp. 3-114.
- Weir, B.S, P.R. Johnston, and U. Damm. 2012. The *Colletotrichum gloeosporioides* Species Complex. *Studies in Mycology*, 73:115-180.
- Weryszko-Chmielewska, E dan Z. Michałojc. 2011. Anatomical Traits of sweet Pepper (*Capsicum annuum* L.) fruit. *Acta Agrobotanica*, 64 (4): 181-188.
- Wharton, P.S and J. D. Uribeondo. 2004. The Biology of *Colletotrichum acutatum*. *Anales del Jardin Botanico de Madrid*, 61(1): 3-22.
- Wharton, P.S and A.C. Schilder. 2008. Novel Infection Strategies of *Colletotrichum acutatum* on Ripe Blueberry Fruit. *Plant Pathology*, 57:122-134.
- White, T.J, T. Bruns, S. Lee, and J. Taylor. 1990. *Amplification and Direct Sequencing of Fungal Ribosomal RNA Genes for Phylogenetics*. In: *PCR Protocols, A Guide to Methods and Applications*. M.A. Innis, D.H. Gelfand, J.J. Sninsky, and T.J. White, eds. Academic Press, San Diego, CA. pp: 315-322.
- Wilawan, K, S. Shangchote, and S. Sukprakarn. 2008. Effect of capsaicin on germination of *Colletotrichum capsici* Conidia. *Kasetsart. J. (Nat. Sci.)* 42: 417-422.
- Xie, L, J Zhang, Y. Wan, and D. Hu. 2010. Identification of *Colletotrichum* spp. Isolated from Strawberry in Zhejiang Province and Shanghai City, China. *Journal of Zhejiang University –SCIENCE B (Biomedicine & Biotechnology)*, 11(1):61-70.
- Yakoby, N, I. Kobiler, A. Dinoor, D. Prusky. 2000a. pH Regulation of Pectate Lyase Secretion Modulates the Attack of *Colletotrichum gloeosporioides* on Avocado Fruits. *Appl. Environ. Microbiol*, 66:1026-1030.
- Yakoby, N, S. Freeman, A. Dinoor, N.T. Keen, and D. Prusky. 2000b. Expression of Pectate Lyase from *Colletotrichum gloeosporioides* in *C. magna* Promotes Pathogenicity. *MPMI*, 13(8):887-891.
- Zakaria, M and J.A. Bailey. 2000. Morphology and Cultural Variation Among *Colletotrichum* Isolates Obtained from Tropical Forest Nurseries. *Journal of Tropical Forest Science* 12(1):1-20.
- Zinkovic, S, S. Stojanovic, Z. Ivanovic, V. Gavrilovic, T. Popovic, and J. Balaz. 2010. Screening of Antagonistic Activity of Microorganism Against *Colletotrichum acutatum* and *Colletotrichum gloeosporioides*. *Arch. Biol. Sci. Belgrade*, 62(3):611-623.