DAFTAR PUSTAKA

Aime s, Alabouvette C. Steinberg C. 2013. The endophytic strain *fusarium oxyporum* Fo47: a good candidate for priming the defense responses in tomato roots. Mol plant microbe interact. 26 (8): 918-926.

Agrios, G. N., 1996. Ilmu Penyakit Tumbuhan. Gajah Mada University Press, Yogyakarta.

Akello, J., and R. Sikora. 2012. Systemic Acropedal Influnce of Endophyte Seed Treatment on *Acyrthosiphon pisum* and *Aphis fabae* off Spring Development and Reproductive Fitness. Biol. Control, 61 (3), 215-221

Akello, J.,T, Dubois., D, Coyne., C.S Gold., and S, Kyamanywa. 2007. Colonization and Persistence of The Entomophatogenic Fungus, *Beauveria bassiana*, in Tissue Culture of Banana. In *8th African Crop Science Society Conference, El-Mina, Egypt*, 27-31 October 2007 (pp. 857-861). African Crop Science society.

Al-Deghairi, M, A. 2008. Bioassay Evaluation of the Entomophatogenic Fungi, *Beauveria bassiana* Vuellenin against Egg and Nymphs of *Bemesia tabaci* Gennadius (Homoptera: Aleyrodidae). Pakistan Journal of Biological Sciences 11(12):1551-1560.

Allegrucci N, M. S. Velazquez, M. L.Russo, E. Perez, A. C. Scorsetti. 2017. Endophytic Colonisation of Tomato by The Entomopathogenic Fungus *Beauveria bassiana*: the use of different inoculation techniques and their effects on the tomato leafminer Tuta absoluta (Lepidoptera: Gelechiidae). Institute of Botany Carlos Spegazzini (FCNyM-UNLP), 53 # 477, 1900 La Plata, Buenos Aires. Argentina.

Ament, K., Krasikov, V., Almann, S., Rep, M., Takken, F. L.W., and Schuurink, R. C (2010). Methyl salicylate production in tomato affects biotic interactions; Plant J. 62, 124- 134.

Anggraini S.2017. Potensi Rizobakteri Sebagai Penginduksi Ketahanan Tanaman Pisang untuk Pengendalian Penyakit Layu *Fusarium oxysporum* Schlecht f.sp *cubense* (Foc) (E.F.Smith) Synd. danHans dan pemacu pertumbuhan tanaman. [Thesis]. Fakultas pertanian Universitas Andalas. Padang.

Anomsari, S.D dan B. Prayudi. 2012. Budidaya Tomat. Semarang. Balai Pengkajian Teknologi Pertanian jawa Tengah.

Ariesta, M. 2013. Pengaruh Aplikasi Cuka Kayu terhadap Hama dan Pertumbuhan Tanaman Tomat dengan Sistem Budidaya Organik. Skripsi. Fakultas Pertanian. Universitas Sebelas Maret. Surakarta.

Armi S. 2017. Kemampuan kolonisasi cendawan endofit *Beauveria bassiana* pada kacang tanah dan pengaruhnya terhadap tingkat serangan *Lamprosema indicata* (Lepidoptera : Pyralidae). Skripsi. Padang. Fakultas pertanian. Universitas Andalas.

Aswarni, Z. 2016. Pengaruh Jumlah Bahan Aktif *Beauveria bassiana (*Bals.) Vuill. Terhadap *Spodoptera litura* Fabr. (Lepidoptera : Noctuidae). [Skripsi]. Fakultas Pertanian Universitas Andalas. Padang. 2016

Barra-Bucarei , L., González , M.G., Iglesias, A.F., Aguayo G.S, Peñalosa, M.G., Vera , P.V. 2020. *Beauveria bassiana* Multifunction as an Endophyte: Growth Promotion and Biologic Control of *Trialeurodes vaporariorum*, (Westwood) (Hemiptera: Aleyrodidae) in Tomato. Insects :11, 591

Barnet. 1960. Ilustrated Genera Of Imperfecty Fungi. Second Edition. Burgess Publishing Company. 241 hlm.

Bidochka, M, J and Khachatourians G,G. 1991. The implication of metabolic acids produced by *Beauveria bassiana* in phatogenesis of the migratory grass-hopper, *Melanoplus sanguinipe*s Journal of invertebrate pathology. 58: 106- 117.

Borror, D. J., C.A. Triplehorn., dan N.F Johnson. 1992. Pengenalan Pelajaran Serangga edisi keenam Terjemahan Partosoedjono, S. Yogyakarta: Gajah Mada University Press.

Baroro I. 2017. Efikasi Beauveria bassiana Balsamo Endofitik pada Tanaman Kailan terhadap *Plutella xylostella L*. Skripsi. Fakultas pertanian. Universitas Brawijaya. Malang

Badan Pusat Statistik. 2020. Produktivitas sayuran di Indonesia tahun 2017-2019.

CABI. 2021. Invasive Species Compendium. https://www.cabi.org/isc/datasheet/8785 [18 April 2021].

Chang-su kim., Jung-Bok Lee., Beam-soo kim., young-Ho Nam, Kee-sun shin., Jin-won kim., Jang-Eok kim., and gi-seok kwon. 2014. A Technicque for the prevention

of greenhouse whitefly (*Trialeurodes vaporariorum*) using the Entomopathogenic fungus *Beauveria bassiana* M130 24 (2), 1-7.

Charnley A.K. 2003. Fungal Pathogens of insects: Cuticle degrading enzymes and toxins. ADV. Bot.Res 40: 241-321.

Clarkson, J.M. and A.k. Charnley. 1996. New Insights in to The Mechanicsms Of Fungal Pathogenesis in Insects. Trends in Microbiol. 4 (5) : 197-203.

Coppola valentina., Mariangela, coppola.,Mariapina Rocco., maria Cristina Digilio., Chiara D'ambrosio., Giovani renzone., Rossana martinelli., Andrea scaloni., Francesco pennacchio., Rosa rao., Giandomenico corarado. 2013. Transcriptomic and protemeomic analysis of a compatible tomato- aphid interaction reveals a predomiinant salicyclic acid-dependent plant.

Copetta A., Guido lingua, Graziella berta. 2006. Effects of three A.M Fungi on Growth, distribution of glandular hairs, and essential oil production in Ocimum basilicum L.Var. Genovese. Mycorrhiza 16: 485-494

Crespo, Pedrini N, Juarez Mp, daal-bello G,M. 2008. Volatile organic compounds released by entomopathogenic fungus, *Beauveria bassiana.* Microbiol Res. 163 (2): 148-151.

Daoust, R.A., and R.M., Pereira. 1986. Survival of *Beauveria bassiana* (Deutromycetes: Moniliales) Conidia on Cadavers of Cowpea Pests Stored Outdoors and in Laboratory In Brazil. Environ Entomol. 15:642-647.

DeBarro, P.J. 1995. *Bemisia tabaci* Biotype B, a Review of its Biology,Distribution and Control. *Entomology* 36:1-58.

Deacon, J.W. 2006. Fungal Biology Oxford (UK): Blackwell Publ

Dupont P-Y., Carla j. E., Jason J,W., Susanne F., Peter S., Jan S., Robert C, D., Barry S., Murray P,C.. 2015. Fungal endophyte infection of ryegrass reprograms host metabolism and alters development. New Phytologist 208: 1227-1240.

Dewi, N. 2017. Karakter Fisiologis dan Anatomis Batang Tanaman Tomat (*Lycopersicum esculentum* Mill.) F1 Hasil Induksi Medan Magnet yang Diinfeksi *Fusarium oxysporum* f.Sp. *lycopersici*. Skripsi. Universitas Lampung. Bandar Lampung

Dreistadt SH, Clark JK, Flint ML. 2001. Integrated pest management for floriculture and nurseries. Oakland: University California Agriculture National Resources Publication: 3402.

Fahn, A. 1991. Anatomi tumbuhan. Ed ke-3. Soediarto, koesoemaningrat RMT, Natasaputra M, Akmal H, Penerjemah: Tjitrosomo SS, Editor. Yogyakarta (ID): UGM Pr. Terjemahan dari : Plant Anatomy.

Fatahuddin, Amin, N., Daud, I. D., dan Chandra, Y. 2003. Uji Kemampuan *Beauveria bassiana* Vullemin (Hypomycetes : Moniliales) Sebagai Endofit pada Tanaman Kubis dan Pengaruhnya terhadap Larva *Plutella xylostella* (Lepidoptera : Yponomeutidae). Jurnal Fitomedika 5 (1): 16-19.

Gao, F.K., Ch. Dai, and X. Z. Liu. 2010. Mechanisms of Fungal Endophytes in Plant Protection Against Pathogens. African Journal of Microbiology Research 4:1346-1351.

Gautam ,P and Stein, J. 2011. Induction of systemic acquired resistance to *Puccinia sorghi* in corn. Journal of plant Pathology. Vol. 2 No 1 PP 43-50.

Garrido-jurado.I., Resquin-Romero. G., Amarilla,S.P, Rios-Moreno, A.,Carrasco, L.,Quesada-Moraga, E. 2017. Transient endophytic colonization of melon plants by entomopathogenic fungiafter foliar application for the control of *Bemesia tabaci* gennadius (hemiptera: Aleyrodidae). J. Pest Sci. Go, 319-330.

Gautam, S, S. Mohamkumar dan Kennedy. 2016. Induced Host Plants Resistance in Cauliflowerr by B*eauveria bassiana*. Journal Of Entomology and Zoology Studies: 4 (2): 476 – 482

Guesmi-Jouni, J., Garrido-Jurado, I., Lopez-Diaz,C,. Ben Halima- Kamel, M., dan Quesada – Oraga,E. 2014. Establishment of Fungal Entomophatogens *Beauveria bassiana* and *Bionectria ochroleuca* (Ascomycota : Hypocreales) as Endophytes on Artichoke Cynara Scolymus. J Invertebr Phatol, 119, 1-4.

Gusti, R.H, Meiriani dan Haryanti. 2013. Peningkatan Kadar Vitamin C buah Tomat (*Lycopersicum escolentum* Mill) Dataran Rendah dengan Pemberian Hormon GA3. Jurnal Online Agroeoteknologi 2(1); 333-339

Hallmann J, Qualt-Hallmann A, Mahaffee WF, Kloepper JW (1997) Bacterial endophytes in agricultural crops. Can J Microbiol 43:895–914

Hasyim, A. dan Azwana. 2003. Patogenesitas isolate *Beauveria bassiana* (Balsamo) vuillemin dalam mengendalikan hama penggerek bonggol pisang (*Cosmopolites sordidus*) Germar. J. Hortikultura 13 (2): 120-131.

Hendrik A.M. 2016. Karakterisasi Fisiologi dan Virulensi Cendawan Entomopatogen *Beauveria bassiana* dan *Metarhizium* spp. Sebagai agens Pengendali Hayati Hama Penghisap Buah Kakao *Helopeltis* sp. (Hemiptera : Miridae). Thesis. Unand. Padang.

Herlinda,S.,Hamadiyah,T.,Adam., dan Thalib, R. 2006. Toksitas Isolat-isolat *Beauveria bassiana* (Bals) vuill. Terhadap Nimfa *Eurydema pulchrum* (westw) (Hemiptera: Pentatomidae) Agria 2 (2): 34-37.

Hequet, E., T.J. Henneberry, R.L. Nicholas (eds.) 2007. Sticky cotton: causes, effects, and prevention. USDA-ARS Tech. Bull. No. 1915. 210p.

Hermawati, Heni. 2007. Pengaruh cendawan endofit terhadap biologi dan pertumbuhan populasi *Aphis gossypii* Glov. (Homoptera : Aphididae) pada tanaman cabai. [Skripsi]. IPB. Bogor.

Hill DS. 1987. Agriculture Insect Pests of the Tropics and Their Control Cambridge (UK): Cambridge University Press.Hardiyanti, D.W. 2006. Kajian Penyebaran Miselium Cendawan *Beauveria bassiana* dan Kerusakan terhadap Epitel Saluarn Pencernaan Makanan Larva *Plutella xylostella* (Lepidoptera: Plutellidae). Undergraduate Theses dari JBPTITBBI, Sekolah Ilmu dan Teknologi Hayati – Institute Teknologi Bandung (Abstrak).

Hirano, K., E. Budiyanto, dan S. Winarni. 2002. Biological Characteristic and Forecasting Outbreaks of The Whitefly *Bemisia tabaci*, A Vector of Virus Diseases in Soybean Fields. http://www.agnet.org/library/tb/135/ 7 April 2018]

Hokkanen HMT, Menzler-Hokkanen I. 2007. The use entomopathogenic fungi in the insect pest management of *Brassica* oil seed crop. CABI. Boston, Pp 373-382.

Inayati dan Marwoto. 2015.Teknologi Pengendalian Hama Kutu Kebul (*Bemisia tabaci)* pada produksi Kedelai di Lahann Optimal untuk Menekan kehilangan Hasil sebesar 30%. Laporan. Balai Penelitian tanaman Kacang-kacangan dan Umbi-umbian. Malang: Kementrian Pertanian.

Indrayani, I, G,A,A. J.S, Sumartini dan B. Hilyanto. 2007. Ketahanan Beberapa Aksesi kapas terhadap Hama penghisap Daun *Amrasca bigutula* (ISHIDA). J.Littri. 13 (3) : 81-87.

Inglish, G.D., Goettel, M.S., Butt, T.M., Strasser, H., 2001. Use of hyphomycetous fungi for managing insect pest. In: Butt, T.M.,Jackson, C.W., Magan, N. (Eds.), Fungi as Biocontrol Agents Progress, Problems and Potential. CABI Publishing, Wallingford, UK, pp. 23-70.

Isitikorini Y. 2008. Potensi cendawan endofit untuk mengendalikan penyakit antraknosa pada cabai (*Capsicum annum* L.) [Tesis]. Sekolah Pascasarjana, Institut Pertanian Bogor. Bogor.

Islam, Md. T., Castle, S.J., Ren, S. 2010. Compatibility of the insect pathogenic fungus *Beauveria bassiana* with neem against sweetpotato whitefly, *Bemisia tabaci*, on eggplant. Entomologia Experimentalis et Applicata. 134: 28–34.

Jabber, L. R and Enkerli, J. 2016. Effect of seed treatment duration on growth and colonization of *vicia faba* by endophytic *Beauveria bassiana* and *Metarhizium brunneum.* Biological Control. 103: 187-195.

Juniawan M. F., Faizah U., Isnawati dan Yusmani Prayogo. 2013. Pengaruh Kombinasi Jenis Cendawan Entomopatogen dan Frekuensi Aplikasi terhadap Mortalitas Kutu Kebul (*Bemesia tabaci*). LenteraBio Vol. 2 No. 1: 37-41.

James RR, Buckner JS, Freeman TP. 2003. Culticular lipids and silverleaf whitefly stage affect conidial germination of *Beauveria bassiana* and *Paecilomyces fumosoroseus*. J Invetebr Pathol 84: 67-74

Kessler P, Matzke H, Keller S. 2003. The effect of application time and soil factors on the occurrence of *Beauveria brongniartii* applied as a biological control agent in soil. J Invertebr Pathol 84:15–23

Kumar R.G., charu gangwar. 2018. Lifecycle, Distribution, Nature Of Damage and Economic Importance of Whitefly, *Bemisia tabaci* (Gennadius). ACTA Scientific Agriculture (ISSN: 281-365).

Kalshoven, L. G. E. (1981). Pests of Crops in Indonesia. Jakarta: PT. Ichtiar Baru-Van Hoeve.

Lord J.C. 2001. Response of the wasp *cephalonomia tarsalis* (Hymenoptera: Bethylidae) to *Beauveria bassiana* (Hyphomycetes : Moniliales) as free Conidia or Infection in its host, the sawtoothed grain beetle, *Oryzaephalus surinamensis* (Coleoptera: Sivanidae). Biological Control 21: 300-304

Leovini, H. 2012. Pemanfaatan pupuk organik cair pada budidaya tanaman tomat (*Solanum lycopersicum* L.). Makalah Seminar Umum. Yogyakarta: Universitas Gajah Mada.

Moran PJ, dan Thompson GA. 2001. Molecular responses to aphid feeding in Arabidopsis in relation to plant defense pathways. Plant Physiol, 125(2):1074–1085.

Martin, J. H. 2008. A Revision of *Aleurodicus douglas* (sternorrhyncha; Aleyrodidae), With Two New Genera Proposed for Palaeotropical Natives and an Identification Guide to World Genera of Aleurodicinae. Zootaxa 1835: 1-100.

Martin, J., D. Mifsud, dan C. Rapisarda. 2000. The Whiteflies (Hemiptera: Aleyrodidae) of Europe and the Mediterranean Basin. Bull. Entomol. Res.

Mucciarelli M, Silvano S., Cinzia B., Massimo M. 2003. In vitro and in vivo peppermint (Mentha piperita) growth promotion by nonmycorrhizal fungal colonization. New phytologist 158: 579-591.

McCollum T.G., P.J. Stoffella, C.A. Powell, D.J. Cantliffe, S. hanif-Khan. 2004. Effects of silverleaf whitefly feeding on tomato fruit ripening. Postharvest Biology and technology 31: 183-190

McCormick A, Reinecke A, Gershenzon J. 2016 Feeding experience affects the behavioral response of polyphagous gypsy moth caterpillars to herbivore-induced poplar volatiles. J Chem Ecol 42(5):382–393

McKinnon, Ac., Saari, S., Moran-Diez, M.E, Meyling, N.V, Road M., Glare, T.R. 2007. *Beauveria bassiana* as an endophyte : A Critical review on associated Methodology and biocontrol potentiall. Biocontrol 62, 1-17.

Meeks, E.T.M., S. Van Voorst, N.N. Joosten, J.J. Fransen And J.C. Van Lenteren. 2002. Persistence of the fungal Whitefly Pathogen, Ashersonia aleyrodes, on three different plant species. Mycol Res., 104: 1234-1240.

Meilin, A. 2014. Hama dan Penyakit Pada Tanaman Cabai serta Pengendaliannya. Jambi. Balai pengkajian teknologi Pertanian (BPTP) Jambi.

Musa, P.D., S.X. Ren. 2005. Development And Reproduction of *Bemisia tabaci* (Homoptera:Aleyrodidae) on Three Bean Species. Insect Sci.12:25–30.

Mau, RLF, and JLM Kessing. 2007. *Bemisia tabaci* (Gennadius). Department of Entomology Honolulu, Hawai.

Nonnecke IL. 1989. Vegetable production. New York (US): Van Nostrand Reinhold.

Norris, D.m and m.kogan.1980. Biochemical and morphological bases of resistance. In: Breeding plants resistant to insect. F.G. maxwell and P.R. Jenming (eds). John wiley and Sons, Inc. Newyork. P.P: 683.

Ownley B.H., M.R, Grifin., W.E, Klingeman., K.D, Gwinn.,J.K. Moulton ., and R.M, Pireira. 2008. Endophytic Colonization and Plant Disease Control *Journal invertebr Pathol.* 98: 267-270

Oktaviany V.N. S., dan Purnama.H. 2014 . Neraca kehidupan Kutu kebul *Bemisia tabaci* (gennadius) Hemiptera : Aleyrodidae) pada tanaman cabai dan gulma babadotan pada suhu 25° c dan 29° c.. departemen Proteksi tanaman. Fakultas Pertanian. Institut Pertanian Bogor. Bogor.

Perring, MT. 2001. The *Bemisia tabaci* Species Complex. Special Issue : Challengen and Opportunities for Pest Management Of *Bemisia tabac*i in The New Century Crop Protection (20) 9 : 725-727

Pieterse, C. M. J.,Zamioudis C., Berendsen R.L., Weller D.M., Van Wees S.C. M & Bakker P.A.H.M (2014) Induced systemic resistance by beneficial microbes. Annual review of Phytopathology 52, 347-375

Posada , F.and F.E. Vega . 2005. Estabilishment of the fungal entomopathogen *Beauveria bassiana* (Ascomycota: Hypocrales) as an Endophyte in Cocoa Seedlings (*Theobroma cacao*). Mycoscience, 47 (5), 284- 289.

Powell, W. A., Klingmen, W.E., Ownley.,B.H., Gwin, K.D. 2009. Evidence of endophytic *Beauveria bassiana* in seed-treated tomato plants acting as a systemic entomopathogen to larva *Helicoverpa zea* (Lepidoptera: Noctuidae). J. Entomol. Sci 44 391-396.

Qayyum, M. A., Wakil, W., Arif, M. J., Sahi, S. T., and Dunlap, C. A. (2015). Infection of *Helicoverpa armigera* by endophytic *Beauveria bassiana* colonizing tomato plants. Biol. Control 90, 200–207.

Qin x., Xin z., shuaishuai H J D X L, Zhibing L, Yongjun Z. 2020. Pest management via endophytic colonization of tobacco seedlings by the insect fungal pathogen *Beauveria bassiana*. State Key Laboratory of Plant Genomics, Institute of Microbiology.Chinese Academy of Sciences, Beijing 100101, P. R. China.

Rubatzky. V. E. And M. Yamaguchi. 1999. Word vegetable : Principle, Production and Native values (sayuran dunia: prinsip, produksi dan gizu, alih bahasa (Harison). Institut Teknologi Bandung. Bandung.

Russo, M. L., Scorsetti, A.C.,Vianna, M. F., Cabello, M., Ferreri, N. and Pellizza, S. 2019. Endophytic effects of *Beauveria bassiana* on corn (Zea mays) and its Herbivore, Rachiplusia nu. Insects 10 (4): 110.

Raad ,M. 2016. Plant-mediated interactions between the entomopathogenic fungus *Beauveria bassiana*, insect herbivores and a plant pathogen. Thesis. Lincoln University Digital Thesis

Raad M, Glare TR, Brochero HL, Müller C and Rostás M. 2019. Transcriptional reprogramming of *Arabidopsis thaliana* defence pathways by the entomopathogen *Beauveria bassiana* correlates with resistance against a fungal pathogen but not against insect, Front Microbiol 10: 615

Rivas-Franco F, John G. Hamptona , Josefina Narcisoa , Michael Rostása , Per Wessmanc , David J. Savilled , Trevor A. Jacksone and Travis R. Glare. 2020. Effects of a maize root pest and fungal pathogen on entomopathogenic fungal rhizosphere colonization, endophytism and induction of plant hormones. Biological Control. 104347

Saikkonem K, Mikola J, Helander M. 2015. Endophytic phyllosphere fungi and nutrient cyling in terrestrial ecosystems. J Curr Sci.109(1):121–5.

Saputra, R. 2019. Aplikasi Cendawan Endofit untuk Pengendalian *Myzus persicae* Sulz. (Hemiptera : Aphididae)dan Peningkatan Pertumbuhan Tanaman Cabai (*Capsicum annum* L.). [Skripsi]. Fakultas Pertanian Universitas Andalas. Padang.

Saragih, M.,Trizelia., Nurbailis., dan Yusniwati. 2018. Uji Potensi Cendawan Endofit *Beauveria bassiana* terhadap Perkecambahan dan Pertumbuhan Bibit Tanaman Cabai Merah (*Capsicum annum* L.). Seminar Nasional Pembangunan Pertanian dan Pedesaan. Pekanbaru.

Schmid J., Day R., Zhang n., dupont P., Y., Cox M.,P., Schardi C. L., Zhou Y. 2017. Host tissue environtment directs activities of an epichole endophyte, while it induces systemic hormone and defense responses in native perennial ryegrass host, molecular plant-microbe Interactions 30, 138-149.

Schweiger R., heise A., Persicke Mdan muller C. 2014. Inetractions between the jasmonic and Salicylic acid pathway modulate the plant metabolone and affect herbivores of different feeding types, plant, Cell dan Enviroment 37, 1574-1585.

Setiawati W, Udiarto, BK., dan Gunaeni, N. 2007. Preferensi Beberapa Varietas Tomat dan Pola Infestasi Hama *Bemisia tabaci* Serta Pengaruhnya terhadap Intensitas serangan Virus Kuning. J.Hort, 14(4); 374-386

Setiawati W., Gunaeni, N., Subhan., dan Muharam, A. 2011. Pengaruh pemupukan dan tumpangsari antara tomat dan kubis terhadap populasi *Bemisia tabaci* dan insiden penyakit virus kuning pada tanaman tomat.

Sihotang B. 2008. Tomat. Benidiktus Sihotang Site. http://www.google.com/ tomat/BenidiktusSihotang. [25 maret 2018].

Soetopo, D dan Indrayani,. I. 2007. Status teknologi dan Prospek *Beauveria bassiana* untuk pengendalian seranggga hama tanaman perkebunan yang ramah lingkungan. Balai Penelitian Tanaman Tembakau dan Serat. Malang. 18 hlm.

Suwahyono, U. 2009. Biopestisida. Jakarta. Penebar Swadaya.

Suharsono. 2009. Hubungan kerapatan trikoma dengan intensitas serangan penggerek polong kedelai. Jurnal penelitian pertanian tanaman Pangan. Vol. 28 No 3.

Silva A.C.L., Gerson A S, Pedro Henrique Noguera Abib, Aline telxeia Carolina dan Richard ian Samuls. 2020. Endophytic Colonization Of Tomato Plants by the Entomopathogenic fungus *Beauveria bassiana* for Controlling the South America Tomato Pinworm, Tuta absoluta. CABI Agric Biosci 1-3.

Siluh, P.N., Wibowo, l. dan Azis, A. 2012. Penambahan Beberapa Jenis bahan Nutrisi Pada media perbanyakan Untuk meningkatkan virulensi *Beauveria bassiana* terhadap hama walang sangit. Jurnal HPT Tropika 12 (1): 64-70

Syahirwan, F . 2019. Aplikasi Cendawan *Beauveria bassiana* (Bals.)Vuill untuk Pengedalian *Myzus persicae* (Hemiptera : Aphididae) dan Peningkatan Pertumbuhan Tanaman Cabai (*Capsicum annum* L.)

Syukur, M., Saputra, H.E. dan Hermanto R. 2015. Bertanaman Tomat di Musim Hujan. Jakarta: Penebar Swadaya

Syukur, M., Yunianti R., Dermawan, R. 2017. Budidaya Cabai. Panen Setiap hari. Penerbit Swadaya. Jakarta.

Swandi, F., Sulyanti, E., Darnetty dan Reflin. 2020. The potential of Arbuscular Mycorrhizal Fungi (AM Fungi) as biocontrol agent against stem rot diseases caused by *Sclerotium rolfsii* in peanut (Arachis hypogea L.). JERAMI Indonesian Journal of Crop Science 2(2) : 65-71.

Samuels, R.I., Coracini, D.L.A., dos Santos, C.A.M., Gava, C.A.T. 2002. Infection of *Blissus antillus* (Hemiptera: Lygaeidae) eggs by entomopathogenic fungi *Metarhiziumanisopliae* and *Beauveria bassiana*. Biological Control. 23:269-273.

Tanada, Y., dan H.K. Kaya. 1993. *Insect Pathology*. San Diego: Academic Press, INC. Harcourt Brace Jovanovich, Publisher. 666 hal.

Taslia, E. 2014. Pengaruh Cendawan Endofit terhadap biologi dan pertumbuhan populasi *Polyphagotarsonemus latus* Banks (Acari: Tarsonemidae) pada tanaman cabai. [Skripsi]. Fakultas Pertanian. Institut Pertanian Bogor. 42 hal.

Tantawizal, Alfi Inayati dan Yusmani Prayogo. 2015. Potensi Cendawan entomopatogen *Beauveria bassiana* (Balsamo) Vuillemin untuk Mengendalikan Hama Boleng *Cylas formicarus* f Pada Tanaman Ubi Jalar. Balai Penelitian Tanaman Aneka kacang dan Umbi. Buletin palawija No 29: 46-53

Trizelia, Martinus, Reflinaldon, Yenny L, Fadly S.P. 2020. Colonization of *Baeuveria bassiana* (Bals.)Vuill on chilli (*Capsicum annum*) and its effect on populations of *Myzus persicae*. Journal of Biopesticides, 13 (1): 40-46

Trizelia, Yanti, Y., Suhriani. 2019. Potensi cendawan *entomopatogen Beauveria bassiana* (bals.) untuk pengendalian kepik kubis *Eurydema pulchrum* westw. (hemiptera:pentatomidae). Di dalam prosiding seminar nasional agroteknologi. Jurusan agroteknologi Universitas Islam Negeri Sunan gunung Djati Bandung, Bandung, 2 maret 2019, hal. 346-352

Trizelia. 2005. Cendawan entomopatogen *Beauveria bassian*a (Bals) Vuill, (Deutromycota: Hyphomycetes): Keragaman genetik, Karakterisasi fisiologi,dan virulensinya terhadap *Crocidolomia pavonana* (F.) (Lepidoptera:Pyralidae). [Disertasi]. IPB Bogor

Tugiyono. 2005. Tanaman Tomat. Agromedia Pustaka. Jakarta. 250 hal.

Ul-Haq I, Amjad M, Kakakhel SA, Khokhar. 2003. Morphological and physiological parameters of soybean resistance to insect pests. Asian J of Plant Sci 2 (2): 202–2

Vega, F. E. 2008. Insect Pathology and fungal endophytes. Journal of Invertebrate Pathology98: 277-279

Vidal, S., and T, Tefera. 2009. Effect Inoculation Method and Plant Growth Medium on Endophytic Colonization of Sorghum by Entomophatogenic fungus *Beauveria bassiana*. Biocontrol 54 : 663 – 669

Vlot, A.C., Dempsey, D.A., and Klessing, D.F. 2009. Salicylic acid, a multifaceted hormone to combat disease. Annual Review of phytopathology . 47 (1): 177-206.

Wei Qiu Yang, ya-Ying Li, Chen Xu, Yi-Xia Wu, Ya-Ru Zhang, Huai Liu. 2020. Endophytic colonization by *Beauveria bassiana* increases the resistance of tomatoes against *Bemisia tabaci*. Arthropod Plant Interactions 14: 289-300

Wagner , B. L., and L.C, Lewis . 2000. Colonization Of Corn, Zea mays, By The Entomopatogenic Fungus *Beauveria bassiana*. Apllied and Environmental Microbiology, 66 (8), 3468-3473.

Wahyudi , P. 2008. Enkapsulasi Propagul jamur entomopatogen *Beauveria bassiana* menggunakan alginat pati jagung sebagai produk mikoinsektisida. Pusat Teknologi Bioindustri-BPPT.

Watson GW. 2007. Identifcation Of Whiteflies (Hemiptera: Aleyrodidae). APEC Re-entry Workshop on Whiteflies and Mealybugs, Kuala Lumpur, Malaysia, 2007 Apr 6-26. Institute of Biological Sciences, University Malaysia.

Wiryadiputra, S. 1994. Prospek dan Kendala Pengembangan Cendawan Entomopatogenik *Beauveria Bassiana* Untuk Pengendalian Hayati Hama Penggerek Buah Kopi, *Hypothenemus hampei*. *Pelita Perkebunan* 9(1): 92-99.

Wulan C,A. 2017. Kemampuan Endofitik *Beauveria bassiana* (Balsamo) (Hypocreales: Cordycipitaceae) pada tanaman kedelai (Glycine max L.) sebagai pengendali *Spodoptera litura* (Fabricius) (Lepidoptera:Noctuidae). Skripsi. Fakultas pertanian. Universitas Brawijaya. Malang

Wiryanta, W. 2002. Bertanam Tomat. Agromedia Pustaka. Jakarta. 102 hal.

Wraight, S.P, M.A, Jackson, and S.L.Kock. 2001. Production, Stabilization and formulation of fungal biocontrol agents. In : fungi as biocontrol progres, problems and potential (Butt, t.m.c.w. Jackson and n. Magan eds). CBI Publishing pp. 253-288.

Wardhani, K., E. 2005. Pengaruh Macam Larutan Nutrisi pada Level Konsentrasi yang Ditingkatkan terhadap Pertumbuhan dan Hasil Tomat secara Hidroponik. Skripsi. Universitas Muhammadiyah Jember. Jember.

Yasuda M., Miwa H., Masuda S., takebayashi Y., Sakakibara h.& Okazaki S. (2016) Effector-triggered immunity determines host genotype- specific incompatibility in legume-Rhizobium symbiosis. Plant and Cell Physiology 57, 1791-1800.

Zaki, F.N., 1998. Efficiency of the entomopathogenic fungus, *Beauveria bassiana* (Bals), against *Aphis crassivora* Koch and *Bemesia tabaci* , Gennandius. J. Applied Entomol., 122: 397-399.

Zhang, L. 2014. Colonization of Crop Plants by Endophytic Fungi. Disertation to Obtain Ph.D Degree at The Faculty of Agricultural Science, Georg- august-University Gottingen, German. 114 p

Zafar J., Freed S., Khan B.A., Farooq M. 2016. Effectiveness of *Beauveria bassiana* against cotton whitefly, *Bemisia tabaci* (Gennadius) (Aleyrodidae: Homoptera) on different host plants. Paksitan Journal of Zoology, 48: 91-99.