UNIVERSITAS GADJAH MADA
Efektivitas lidah buaya (Aloe vera L.) sebagai protektan Bacillus thuringiensis var kurstaki terhadap sinar ultra violet dan agen pengendali hayati serangga ulat grayak (Spodoptera litura Fab.)
ANALISA BR TARIGAN, Dr. Siti Sumarmi
Universitas Gadjah Mada, 2019 | Diunduh dari http://etd.repository.ugm.ac.id/

DAFTAR PUSTAKA

Ahmad, M., A. Ghaffar and M. Rafiq. 2013. Host plants of leafworm, *Spodoptera litura* (Fabricius) (Lepidoptera : Noctunide) in Pakistan. *Asian Journal Agriculture Biology* 1 (1) : 23 – 28

Ahmad, S. & Z. Hussain. 2002. Entomophatoogenic Nematodes Associated with Soil Types snd Vegetation Cover in Potwwar Region of Pakistan. *Pakistan Journal of Biological Sciences. 5(6):640-642.*

Bahagiawati. 2007. Penggunaan Bacillus thuringiensis sebagai Bioinsektisida. *Bulletin AgroBio* 5(1): 21-28.

Bedjo, 2004. *Pemanfaatan Spodopetera litura Nuclear Polyherosis (SINPV) untuk pengendalian ulat grayak (Spodoptera litura Fabricius) pada Tanaman kedela*i. Bu Palawijaya No. 7 & 8:1-9 .

Baumann, P., K. Okamoto, B.M. Unterman, M.J. Lynch.,& P. Baumann. 1984.Phenotypic Characterization of *Bacillus thuringiensis* and *Bacillus cereus*. *Journal of Invertebrate Pathology*. 44:329-341.

Budi, A. S., Afandhi, A. and Puspitarini, R. D. (2013) Patogenisitas Jamur Entemopatogen *Beauveria bassiana* Balsamo (Deuteromycetes : Moniliales) Pada Larva *Spodoptera litura* Fabricius (Lepidoptera : Noctuidae). Jurnal HPTVolume 1 Nomor 1.

Carasi, R. C., I. F. Telan and B. V. Pera. 2014. Bioecology of common cutworm (S. *litura*) of mulbery. *Internasional of Journal Scientific and Research* Publications 4 (4): 18

Coyne, M., 1999. *Soil Microbiologycal: An Exploratory Approach*. An International Thomson Publishing Company. Albay. USA.

Departement Kesehatan, 1992. Minuman kesehatan (buku). Hal 17-18

Deacon, J. 2005. The Microbial World : *Bacillus thuringiensis*. http:www//helios.bt.ed.ac.id. Diakses tgl 13 juli 2009.

Daud, F.S, and Kulkarni SB. 2011. Comparative evaluation of photo protective effect of aloe vera Tourn. ex. linn on UV damage in different Asian hair types. *Indian Journal of Natural Products and Resources*, 2(2): 179-183

Disney, R.H.L. 2008. Natural History of the Scuttle Fly, *Megaselia scalaris*. Annu. Rev. Entomol. 2008.53:39-60.

Furnawanthi, S. P. 2007. Khasiat dan Manfaat Lidah Buaya Si Tanaman Ajaib. Tangerang: Argomedia Pustaka

Gill, S.S.1995. Mechanism of Action of *Bacillus thuringiensis Toxins*. Mem Inst Oswaldo Cruz, rio de janeiro, Vol. 90(1): 69-74

Hanudin dan B. Marwoto. 2012. Prospek Penggunaan Mikroba Antagonis sebagai Agens Pengendali Hayati Penyakit Utama pada Tanaan Hias dan Sayuran. *Jurnal Litbang Pertanian*. 31 (1)

Hilbeck, A. & Schmidt, J.E.U. 2006. Another View on *Bt* Proteins – How Specific are They and What Else Might They Do ? Biopestic. Int. 2 (1): 1-50.

Hofte, H. And H. R. Whiteley. 1989. Insecticidal Crystal Proteins of *Bacillus thuringiensis*. Microbiol. Rev. 53: 42-255.

UNIVERSITAS GADJAH MADA
Efektivitas lidah buaya (Aloe vera L.) sebagai protektan Bacillus thuringiensis var kurstaki terhadap sinar ultra violet dan agen pengendali hayati serangga ulat grayak (Spodoptera litura Fab.)
ANALISA BR TARIGAN, Dr. Siti Sumarmi
Universitas Gadjah Mada, 2019 | Diunduh dari http://etd.repository.ugm.ac.id/

Huang, F., L.l. Buschman, R.A. Higgins, and W.H. McGaughey.1999. Inheritance of Resistance to *Bacillus thuringiensis* toxin (Dipel ES) in the European Corn Borer. *Science* 284:965-967

Ju, R.T., Wang, F.& Li,B. 2010. Effects of Temperature on the Development and Population Growth of the Sycanmore Lace Bug, *Corythucha ciliata*. Journal of Insect Sciences: Vol.11article 16.

Khetan, S. K. 2001. Micrbial Pest Control. Maecell Dekker, Inc. USA. P: 3-141.

Kalshoven, L.G.E. (1981). *The Pets of Crops In Indonesia*. Revised And Translated by P.A. Vander Laan. PT. Ictiar Baru. Van Hoeve. Jakarta.

Lacey, L.A.,& Kaya, H. K. 2007. *Field Manual of Techniques in Invertebrata Pathology: Application and Evaluation of Pathogens for Controlof Insects and other Invertebrate Pess*. Sprineger: Netherlands. Page 175-187

Madiningsih, T. L dan b. Barimbing. 1995. *Biologi Spodoptera litura* F. Pada tnaman kemiri dalam Prosiding Seminar Nasional Tantangan Entomologi pada Abad xxl. Perhimbunan Entomologi Indonesia Balai tanaman Rempah dan Obat. Bogor . 96-102nhal.

Mansherob. R. Khasdan, V. Ben-Dof,E.2001. *Toxicity and Synergism in transgenic E. Coli expressing four genes from B. Thuringiensis*. Environ. Microbiol.3,pp 798-806.

Marwoto dan Suharsono. (2008) Strategi dan Komponen Teknologi Pengendalian Ulat Grayak (*Spodoptera litura* Fabricius) pada tanaman Kedelai. J. *Litbang. Pertanian*. 27: 131-136.

Noma, T., M. C. Gracia., M. Brewer, J. Landis and A. Gooch. 2010. *Oriental leafworm Spodoptera litura*. Michigan State University's invasive species factsheets p : 1 -2

Oka, I. N. 1994. Penggunaan, permasalahan serta prospek pestisida nabati dalam Pengendalian Hama Terpadu Dalam. Sitepu., D., D. Wahid., S. Rusli, Ellyda, AW., L. Mustika, D. Soetopo, Siswanto, I. M. Trisawa, D. Wahyono, dan M. Nurhayati (Eds.). *Prosiding Seminar Hasil Penelitian dalam Rangka Pemanfaatan Pestisida Nabati*. Balitro Bogor. Hal 1- 10.

Palumbo, J.C. 2010. Wheather can Have Major Impact on Insects. Yuma Agricultural Center. Yuma AZ.

Pecere T, M.W. Gazzola, C. Muciignat, F.D. Parolin, F.D. Vecchia, A. Cavaggioni, G. Basso, A. Diaspro, B. Salvato, M. Carli and G. Palu. 1998. *Aloe-emodin is a new type of anticancer agent with selective activity against neuroectodermal tumors.* Int. J. Tissue React. 20: 115-118.

Petil, R. A., Mehta D. M and Jat B. L. 2014. Studies on life fecundity tables of *Spodoptera litura* Faricus on tobacco *Nicotiana tabacum* Linnaeus. *Journal Entomology, Ornithology and Herpetology.*

Schnepf, E., Crickmore, N., Van Rie, J., Lereclus, D., Baum, J. and Feitelson, J. ET AL. 1998. *Bacillus Thuringiensis* and its Pesticidal Crystal Protein. Microbiol. Mol. Biol Rev. 62: 775-806

Schowalter, T.D. 2011. *Insect Ecology: An Ecosystem Approach, Third Edition*. Academic Press. USA.Page 151-153

UNIVERSITAS
GADJAH MADA
Efektivitas lidah buaya (Aloe vera L.) sebagai protektan Bacillus thuringiensis var kurstaki terhadap sinar ultra violet dan agen pengendali hayati serangga ulat grayak (Spodoptera litura Fab.)
ANALISA BR TARIGAN, Dr. Siti Sumarmi
Universitas Gadjah Mada, 2019 | Diunduh dari http://etd.repository.ugm.ac.id/

Sharma, H.C., Dhillon, M.K. & Arora, R. 2008. Effects of *Bacillus thuringiensis* d-endotoxin-fed Helicoverpa armigera on yhe Survival and Development of the Parasitoid *Campoletis chloridae*. Entomologia Experimentalis et Aplicata 126: 1-8, 2008

Shorey, H. H., and R. L. Hale. 1965. Mass-rearing of larvae of nine noctuid species on a simple artificial medium. J. Econ. Entomol. 58: 522-524.

Thiti, D. A., M. R. Amin., S. M. A. Hossain and H. M. S. Azad . 2010. Feeding development of *Spodoptera litura* larvae on different cotton varietes. *J. Agrofor. Environ*. 4 (2)113- 116

Tjitrosoepomo, G. 1994. Taksonomi Tumbuhan Obat – Obatan. Gadjah Mada Press. Yogyakarta pp: 398 – 406

Taborky, V. 1992. Small-Scale Processing of Microbial Pesticides. Food and Agriculture Organization of the United Nations Rome.

Untung, K. 1996. *Dasar-dasar Pengelolaan Hama Terpadu*. Fakultas Pertanian Universitas Gadjah Mada, Yogyakarta.

West DP, Zhu YF. 2003. Evaluation of *Aloe vera* gel gloves in the treatment of dry skin associated with occupational exposure. *American Journal of infection control*, 31(1): 40–42.