

## DAFTAR PUSTAKA

- Ahmed, I., Yokota, A., Yamazoe, A., Fujiwara, T. 2007. Proposal of *Lysinibacillus boronitoleraans* gen. nov. sp. nov., and Transfer of *Bacillus fusiformis* to *Lysinibacillus fusiformis* comb. nov. and *Bacillus sphaericus* to *Lysinibacillus sphaericus* comb. nov. *Int J Syst Evol Microbiol*.
- Aisha, A. F. A., Z. Ismail., K. M. Abu., J.M. Siddiqui, G. Ghafar dan A.M.S.A. Majid. 2013. *Syzygium campanulatum* Korth. Methalonic Extract Inhibits Angiogenesis and Tumor Growth In Nude Mice. *BMC Complementary and Alternative Medicine*, 13: 168.
- Amorim, L.B., C.M.F.de Oliveira., E.M. Rios., L. Regis, and M.II.N.L. Silvafilha. 2007. Developpent of *Culex quinquefasciatus* resistance to *Bacillus sphaericus* strain IAB59 needs long term selection pressure. *Biological Control*, 42(2): 155-156.
- Arif, Adiba. 2015. Pengaruh Bahan Kimia Terhadap Penggunaan Pestisida Lingkungan. *Jurnal Farmasi Fakultas Kedokteran dan Ilmu Kesehatan UIN Alaudin*, 3(4).
- Astuti, M. A. W. 2011. Daya Bunuh Ekstrak Bunga Kecombrang (*Nicolia speciosa* (Blume) Horan) Terhadap Larva Nyamuk *Culex quinquefasciatus*. *Skripsi Fakultas Teknobiologi Universitas Atma Jaya, Yogyakarta*.
- Baumann, P., B.M. Unterman., L. Baumann., A.H. Broadwell., S.J. Abbene., and R.D. Bowditch. 1985. Purification of the Larvicidal Toxin of *Bacillus sphaericus* and Evidence for High-Molecular-Weight Precursors. *Journal of Bacteriology*, 163(2): 738-743.
- Berry, C. 2012. The bacterium, *Lysinibacillus sphaericus*, as an insect pathogen. *J Invertebr Pathol*, 109 : 1- 10.
- Borrer, D. J., Charles A. T., dan Norman, F.J. 1992. Pengenalan Pelajaran Serangga (Gadjah Mada University Press, Yogyakarta).
- Claus, D., Berkeley RCW. 1986. *Bergey's Man Syst Bacteriol*. Baltimore : Williams and Wilkins Co. pp.1105.
- Correa,M. and A.A. Yousten. 1995. *Bacillus sphaericus* Spore Germination and Recycling in Mosquito Larval Cadavaers. *Journal of Invertebrate Pathology*, 66(1): 76-81.

- Crowley, D.E., Yang, C.H. 2000. Rhizosphere Microbial Community Structure IN Relation to Root Location and Plant Iron Nutritional Status. *Appl Environ Microbiol*,66(1).
- Davidson, E.W. 1985. *Bacillus sphaericus* as a microbial control agent for mosquito larvae. In: Laird M, ,iles J (eds) *Integrated mosquito control methodologies*. Edisi 2. Academia Press, London.
- De Maagd, R.A., A. Bravo, C. Berry, N. Crickmore and H.E. Schnepf. 2003. Structure, Diversity, And Evolution of Protein Toxins From Sporeforming Entomopathogenic Bacteria. *Annu. Rev. Genet*, 37: 409-433.
- Djojosumarto, P. 2000. *Teknik Aplikasi Pertanian*. Kanisius, Yogyakarta.
- Djojosumarto, P. 2008. *Pestisida dan Aplikasinya*. Agro Media Pustaka, Jakarta.
- Donkor, Eric. 2013. Sequencing of Bacterial Genomes: Principles and Insights into Pathogenesis and Development of Antibiotics. *Genes*.
- Dwianingsih, Ariyani. 2008. Isolasi Bakteri *Bacillus sphaericus* Neide Dari Tanah Dan Uji Patogenisitasnya Terhadap Larva *Culex quinquefasciatus* SAY (Diptera: Culicidae) Instar IV. *Skripsi Fakultas Biologi UGM*.
- Falcon. L.A.1971. *Use of Bacteria for Microbial Control In Burges*. Academic Press, New York.
- Gama, Z.P., Suharjono, Ekowati, G. 1998. *Potensi Patogenisitas Bacillus thuringiensis var. israelensis Isolat Madura Terhadap Larva Nyamuk*. Laporan Penelitian Jurusan Biologi FMIPA, Universitas Brawijaya. Malang.
- Hadi, Kesumawati. 2011. *Penyakit Tular Vektor : Demam Berdarah Dengue*. Fakultas Kedokteran Hewan Institut Pertanian Bogor, Bogor.
- Hedderich, R., Muller, R., Greulich, Y., Bannert, N. 2011. Mechanical Damage to Gram-Negative Bacteria by Surface Plating With The Drigalski-spatula Technique. *International Journal of Food Microbiology*,146: 105-107.
- Hermanto, Sandra. 2013. Eksplorasi Protein Toksin *Bacillus thuringiensis*. *Valensi*,3(1):48-56.
- Hofte, H. and H.R. Whiteley. 1989. Insecticidal crystal proteins of *Bacillus thuringiensis*. *Microbiol. Rev*, 53(42).

- Humphreys, M.J. and C. Beqry. 1997. Variants of the *Bacillus sphaericus* Binary Toxins: Implications for Differential Toxicity of Strains. *Journal of Invertebrate Pathology*, 71(2): 184.
- Ismanto, Hari. 2006. Pengendalian Vektor dengan Perubahan Lingkungan. *Jurnal Litbang Pengendalian Penyakit Bersumber Binatang Banjarnegara*. 002(01).
- Jones, G.W., Nielsen, Leroux., Yang, Y., Yuan, Z., Dumas, D.V. 2007. A New Cry Toxin With a Unique Two-Component Dependency From *Bacillus sphaericus*. *Faseb Journal*. 21: 4112-4120.
- Laba, I Wayan. 2010. Analisis Empiris Penggunaan Insektisida Menuju Pertanian Berkelanjutan. *Orasi Profesor Riset di Bogor*, Pengembangan Inovasi Pertanian. 3: 120-137.
- Massie, Julie., Roberts, Graham., Bank, Western., White, Peter. 1985. Selective Isolation of *Bacillus sphaericus* from Soil by Use of Acetate as the Only Major Source of Carbon. *Applied and Environmental Microbiology*. 49(6). : Challenges and prospects. *J Veet Borne Dis* (90).
- Mittal, P. K. 2003. Biolarvacides in Vector Control
- Monnerat,R., S.F. da Silva., D.S. Dias., E.S. Martins., L.B. Praca., G.W. Jones., C.M. Soares., J.M.C. de Souza Dias, and C. Berry. 2004. Screening of Brazilian *Bacillus sphaericus* Strain for High Toxicity Against *Culex quinquefasciatus* and *Aedes aegypti*. *JEN*, 128(7).
- Mulla, M.S., Darwazeh, H.A., davidson, E.W., Dulmage, H.T. 1984. Efficacy and Persistence of the Microbial Agent *Bacillus sphaericus* against Mosquito Larvae in Organically Enriched Habitats. *Mosq News*. 44:166-173.
- Mustafa, Akhmad., Paena, Mudian., Tarunamulia., Sammut, Jesmond. 2008. Hubungan Antara Faktor Kondisi Lingkungan Dan Produktivitas Tambak Untuk Penajaman Kriteria Kesesuaian Lahan: Kualitas Tanah. Balai Riset Perikanan Budidaya Air Payau.
- Myers, Paula., Yousten, Allan. 1980. Localization of a Mosquito-Larval Toxin of *Bacillus sphaericus* 1593. *Applied and Environmental Microbiology*, 39(6): 1205-1211.
- Oei, C., Hindley, J. 1992. Binding of Purified *Bacillus sphaericus* Binary Toxin and Its Deletion Derivatives to *Culex quinquefasciatus* Gut. *Journal of General Microbiology*, 138(7).

- Pei, G., C.M.F. Oliveira., Z. Yuan., C.Nielsen-LeRoux, M.H. Silva-Filha., J. Yan., and L. Regis. 2002. A Strain of *Bacillus sphaericus* Causes Slower Development of Resistance in *Culex quinquefasciatus*. *Appl. Environ. Microbiol*, 68: 3003-3008.
- Pratama, Ryan., Sianipar, R. H., Wiryajati, Ketut. 2014. Pengaplikasian Metode Interpolasi Dan Ekstrapolasi Lagrange, Chebyshev Dan Spline Kubik Untuk Memprediksi Angka Pengangguran Di Indonesia. *Dielektrika*, 1(2): 116-121.
- Priest, Fergus., Ebdrup, L., Zahner, Viviane. 1997. Distribution and Characterization of Mosquitocidal Toxin Genes in Some Strains of *Bacillus sphaericus*. *Applied and Environmental Microbiology*, 63(4).
- Sandy, Semuel. 2014. Bionomi Vektor Malaria Kelompok *Anopheles punctulatus* (*Anopheles farauti*, *Anopheles koliensis*, *Anopheles punctulatus*) Di Provinsi Papua. *Balaba*, 10(1) : 47-52.
- Service, Mike. 2012. *Medical Entomology for Student*. Cambridge University Press, pp. 2-4.
- Siegel, J.B., A.R. Smith, and R.J. Novak. 1996. Comparison of the Cellular Fatty Acid Composition of a Bacterium Isolated from a Human and Alleged To Be *Bacillus sphaericus* with That of *Bacillus sphaericus* Isolated from a Mosquito Larvicide. *Applied and Environmental Microbiology*, pp: 1006.
- Skiff, J.J. and Yee, D.A. 2014. Behavioral Differences Among Four Co-occurring Species of Container Mosquito Larvae: Effect of Depth and Resource Environment. *Entomological Society of America*, 51(2): 375-381.
- Soegijanto, S. 2006. *Demam Berdarah Dengue*. Edisi 2. Airlangga University Pttss. Malang.
- Steinhaus, E.A.. 1949. *Principle of Insect First edition*. McGraw-Hill Book Company, Inc. New York, pp. 218-167.
- Syachrial, Z., S. Martini. , R. Yudhastuti., dan A.H. Huda. 2005. Populasi Nyamuk Dewasa di Daerah Endemis Filariasis Studi di Desa Empat Kecamatan Simpang Empat Kabupaten Banjar Tahun 2004. *Jurnal Kesehatan Lingkungan*, 2(1): 90-92.
- WHO. 2003. Climate Change and Human Health. *Climate change and human health : risks and responses*. Summary.
- WHO. 2005. *Guidelines for Laboratory and Field Testing of Mosquito Larvicide*. World Health Organization Communicable Disease Control. Prevention and Eradication WHO Pesticide Evaluation Scheme. WHO/CDS/WHOPES/GCDPP/2005.13.
- Widyastuti, R. 2002. *Parasitologi*. Pusat Penerbitan Universitas Terbuka, Jakarta.



- Widyati, Enny. 2013. Dinamika Komunitas Mikrobial Di Rizosfir Dan Kontribusinya Terhadap Pertumbuhan Tanaman Hutan. *Balitbang Kehutanan Bogor*, 6(1): 55-64.
- Wibowo, Sutyo Agus. 2010. Pengaruh Pencucian Kain Payung yang Dichelup Insektisida Permethrine Terhadap Daya Bunuh Nyamuk *Culex* sp. *Skripsi* Fakultas Kesehatan Masyarakat Universitas Muhammadiyah Semarang, Semarang.
- Yousten, A.A., Fretz. S. B., Jelley, S.A. 1985. Selective Medium for mosquito-pathogenic strains of *Bacillus sphaericus*. *Appl. Environ Microbiol*, 49: 1532-1533.