

DAFTAR PUSTAKA

- Achmadi, U.F., 2011, Dasar – Dasar Penyakit Berbasis Lingkungan, Rajawali Press, Jakarta.
- Adrianto, H., Yotopranoto, S., dan Hamidah, 2014, Efektivitas Ekstrak Daun Jeruk Purut (*Citrus maxima*), Jeruk Limau (*Citrus ali* (*Citrus maxima*)), Jurnal Aspirator., **6**(1): 01-06.
- Aissaoui, L dan Boudjelida, H., 2014, Larvicidal activity and influence of *Bacillus thuringiensis* (Vectobac G), on longevity and fecundity of mosquito species, European Journal of Experimental Biology, **4**(1):104-109.
- Backman, P.A., Brannnen P.M., dan Mahaffe W.F., 1994, Plant Response and Disease Control Following Seed Inoculation with *Bacillus subtilis*, Proceedings of The Third International Workshop on Planth Growth-Promoting Rhizobacteria, **3**(8).
- Beegle, C.C. dan Yamamoto, T., 1992, History of *Bacillus thuringiensis* Berliner research and development, Can Entomol., **124**:587–616.
- Berry, C., JacksonTap, J., Oei, C., dan Hindley, J., 1989, Nucleotide sequence of two toxin genes from IAB59: Sequence comparisons between five highly toxigenic strains. Nucleic Acid Research, **17**(18):7516.
- Berry, C., Hindley, J., dan Oei, C., 1991, The *Bacillus sphaericus* toxins and their potential for biotechnological development. In: Maramorosch K, ed. Biotechnology for Biological Control of Pests and Vectors. Boca Raton, FL: CRC Press. p 35–51.
- Blondine, Ch.P. dan Damar, T.B., 2007, Pengendalian Vektor DBD *Aedes aegypti* Menggunakan *Bacillus thuringiensis* H-14 Galur Lokal Formulasi Bubuk (Powder) di Kota Salatiga, Media Litbang Kesehatan, **17**(4).
- Borror, D.J., Tripelhorn, C.A., dan Johnson, N.F, 1989, An introduction to the study of insects, Saunders College Publishing, USA.
- Boyce, R., Lenhart, A., Kroeger, A., Velayudhan, R., Roberts, B., dan Horstick, O., 2013, BTI and dengue: a systematic review. Tropical Medicine and International Health, **18**(5):564–577.

- Breed, R.S., Murray, E.G.D., dan Smith, N.R., 1962, *BERGEY'S MANUAL OF DETERMINATIVE BACTERIOLOGY* (7th ed.), Md.: Williams and Wilkins, Baltimore USA.
- Centers for Disease Control (CDC), 2012, Mosquito Life-Cycle. Dengue homepage centers for Disease Control and Prevention. USA Government. Tersedia dari http://www.cdc.gov/dengue/entomologyecology/m_lifecycle.html. - Diakses 3 Maret 2018.
- Charles, J-F., Nielsen-LeRoux, C., dan Delécluse, A., 1996, Bacillus sphaericus toxins: molecular biology and mode of action, *Ann Rev Entomol.*, **41**:451–472.
- Cheeke, R.P., 2004, *Saponins: Surprising Benefits Of Desert Plants*, Linus Pailing Institute, USA.
- Dambach, P., Louis, V.R., Kaiser, A., Oudraogo, S., Sie, A., Sauerborn, A., dan Becker, N., 2014, Efficacy of Bacillus thuringiensis var. israelensis Against Malaria Mosquitoes in Northwestern Burkina Faso, *Parasites and Vectors*, **7**(371).
- Darnely., 2010, Penggunaan Bacillus thuringiensis israelensis untuk Memberantas Aedes aegypti. *Majalah Kedokteran FK UKI 2010 XXVII No.4*.
- Darboux I, Nielsen-Leroux C, Charles JF, Pauron D., 2001, The receptor of Bacillus sphaericus binary toxin in Culex pipiens (Dipteraculcidae) midgut: Molecular cloning and expression. *Insect Biochemical and Molecular Biology*, **31**(10):981-990.
- Depkes RI, 2005, Pencegahan dan Pemberantasan Demam Berdarah Dengue di Indonesia. Dirjen PP& PL, Jakarta.
- Depkes RI, 2007, Demam Berdarah. Departemen Kesehatan Republik Indonesia, Jakarta.
- Djaenuddin, N. dan Muis, A., 2015, Karakteristik Bakteri Bacillus subtilis dan Potensinya sebagai Pengendali Hayati Penyakit Tanaman. Balai Penelitian Serealia, Maros.
- Dylo, P., Martin, C., dan Mhango, M., 2014, Efficacy of Bacillus thuringiensis var israelensis (Bti) on Culex and Anopheline mosquito larvae in Zomba, *Malawi Journal of Science and Technology*, **10**(1): 41-52.

- Errington, J., 2003, Regulation of Endospore Formation in *Bacillus subtilis*, *Nature Reviews*, **1**: 117-126.
- Faust, R.M. dan Bulla, L.A., 1982, *Bacteria and Their Toxin as Insecticides*, Hlm. 75-109.
- Fauzi, A., 2019, Toksisitas Isolat Lokal *Bacillus* sp. dari Lingkungan Alamiah Taman Nasional Baluran dan Domestik Endemik Penyakit Demam Berdarah Dengue (DBD) sebagai Biolarvasida terhadap Larva Nyamuk *Aedes aegypti*, Skripsi, Fakultas Sains dan Teknologi Universitas Airlangga, Surabaya.
- Fidiana, D.F., Mifbakhuddin, dan Nurullita, U., 2013, Daya bunuh ekstrak kulit duku (*Lansium Domesticum* Corr) terhadap kematian larva *Aedes aegypti*, *Jurnal Kesehatan Masyarakat Indonesia.*, **8**(2):22-9.
- Focks, D.A., 2013, Pupal survey: An epidemiologically significant surveillance method for *Aedes aegypti*: An example using data from Trinidad. *Int. J. Environ. Res. Public Health.*, **10**: 1526.
- Gama, T.A. dan Betty, R.F., 2010, Analisis Faktor Kejadian Demam Berdarah Dengue di Desa Mojosongo Kabupaten Boyolali. *Jurnal Ekspalani.*, **5**(2).
- Haditomo, I., 2010, Efek Larvasida Ekstrak Daun Cengkeh (*Syzygium aromaticum* L) terhadap *Aedes aegypti*., Skripsi, Fakultas Kedokteran Universitas Sebelas Maret, Surakarta.
- Halstead, S.B., 1988, Pathogenesis of dengue: challenges to molecular biology, *Science.*, **239**: 476–481.
- Hanifati, S., 2013, Produksi *Bacillus thuringiensis israelensis* Menggunakan Medium Kelapa, **1**(1).
- Harrington, L.C., 2001, *Why Do Female Aedes aegypti (Diptera: Culicidae) Feed Preferentially and Frequently on Human Blood.* *Journal of Medical Entomology* [http://www.bioone.org/perlserv/?request=getabstract&doi=10.1603%2F00222585\(2001\)038%5B0411%3AWDFAAD%5D2.0.CO%3B2](http://www.bioone.org/perlserv/?request=getabstract&doi=10.1603%2F00222585(2001)038%5B0411%3AWDFAAD%5D2.0.CO%3B2), Diakses 12 April 2019.
- Hatmanti, A., 2000, Pengenalan *Bacillus* spp., *Oseana.*, **25**(1):31-41.
- Herms, W., 2006, *Medical Entomology*. The Macmillan Company, United States of America.
- Hoŕte, H. dan Whiteley, H.R., 1989, Insecticidal crystal proteins of *Bacillus thuringiensis*, *Microbiol Rev*, **53**:242–255.

- Husniyah, H., 2018, Skrining dan Uji Potensi Entomopatogen Lokal (*Bacillus* sp.) dari Larva *Aedes aegypti*, Skripsi, Universitas Airlangga, Surabaya.
- Irianto, K., 2006, Mikrobiologi Menguk Dunia Mikroorganisme., jilid 1, Yrama Widya, Bandung.
- Judarwanto, W., 2007, Profil nyamuk *Aedes* dan pembasmiannya. <http://medicastore.com/artikel/184/ProfilNyamukAedesdanPembasmiannya.html>, Diakses 5 Mei 2019.
- Jumar, 2000, Entomologi Pertanian, PT Rineka Cipta, Jakarta.
- Kemenkes, RI. 2015, Data dan Informasi Tahun 2014 (Profil Kesehatan Indonesia), Kementerian Kesehatan Republik Indonesia, Jakarta.
- Kemenkes, RI., 2017, Data dan Informasi Profil Kesehatan Indonesia 2016, Kemenkes, Jakarta.
- Knowles, B.H., 1994, Mechanism of action of *Bacillus thuringiensis* insecticidal δ - endotoxin. *Advances in Insect Physiology*. **24**: 275-308.
- Lee, H.L., T.H., Pe., and W.H., Cheong, 1986, Laboratory Evaluation of the Persistence of *Bacillus thuringiensis* var *israelensis* Against *Aedes aegypti* Larvae. *Mosq. Born. Dis. Bull.* 2(3): 61-66.
- Lee, Y.W., Zairi, J., dan Field, 2006, Evaluation of *Bacillus thuringiensis* H-14 against *Aedes* mosquitoes, *Trop Biomed*, **23**(1): 37-44.
- Lofty, N.M., Merdan, A.I., Abdel-Rahman, H.A., dan Abdel-Razik, N.A., 1992, Factors governing mosquito susceptibility to *Bacillus sphaericus* strains. *Qatar University. Sei. J.* **12**:145-149.
- Lutz, N., 2000, A North Carolina Summer Pest the Asian Tiger Mosquito *Aedes albopictus* Eco Access. <http://ibiblio.org/eoacces/info/wildlife/pubs/asiantigermosquitos>, Diakses 10 Maret 2019.
- Madigan, M.T., dan Martinko, J.M., 1997, Brock; *Biology of Microorganisms*, 8th edition., Pearson Prentice Hall, USA.
- Melanie, Rustama, M.M., Sihotang, I.S., dan Kasmara, H, 2018. Effectiveness of Storage Time Formulation of *Bacillus thuringiensis* Against *Aedes aegypti* Larvae (Linnaeus). *Jurnal Cropsaver.*, **1**(1):48-52.
- Myers, P. dan Yousten, A.A., 1978, Toxic Activity of *Bacillus sphaericus* SSII-1 for Mosquito Larvae, *Infection and Immunity.*, **19**(3): 1047-1053.

- Neva, F.A. dan Brown, H.W., 1998, Basic Clinical Parasitologi, 6 ed, Prentice Hall International Edition.
- Palgunadi, B.U. dan Asih, R., 2011, Aedes aegypti sebagai Vektor Penyakit Demam Berdarah Dengue. Jurnal. **2**(1).
- Palma, L., Mufioz, D., Berry, C., Murillo, J., dan Caballero, P., 2014, Bacillus thuringiensis toxins: an overview of their biocidal activity, Toxins., **6**(12): 3296-325.
- Pelczar, M.J. dan Chan, E.C.S., 2005, “Dasar-dasar Mikrobiologi 1”, Alih bahasa: Hadioetomo, R.S., Imas, T., Tjitrosomo, S.S., dan Angka, S.L., UI Press, Jakarta.
- Pujiyanto, S., Kusdiyantini, E., dan Hadi, M., 2008, Isolasi dan Seleksi Bakteri Kitinolitik Isolat Lokal yang Berpotensi untuk Mengendalikan Larva Nyamuk Aedes aegypti L. Biodiversitas **9**(1):5-8
- Purnama, G.P., 2012, Pemanfaatan Limbah Cair Industri Pengolahan Tahu untuk Memproduksi Spora Bacillus thuringiensis Serovar israelensis dan Aplikasinya sebagai Biokontrol Larva Nyamuk. Universitas Udayana: Program Studi Ilmu Kesehatan Masyarakat. Indonesia Jurnal of Public Health., **1**(1).
- Rheinheimer, 1980, Aquatic Microbiology, A. willey Inter Science Publication Chichester.
- Roche, C., Sharma, Joshi, V., dan Maurya, D.T., 2002, Persistence of Dengue 3 virus through transovarial transmission passage in successive generation of Aedes aegypti mosquito. Am. Soc. Trop. Med. Hyg. **67**(2):158-161.
- Rusmana, I. dan Hadioetomo, R.S., 1994, Isolasi Bacillus thuringiensis Berl. dari peternakan ulat sutera dan toksisitasnya terhadap larva Crocidolomia binotalis Zell. dan Spodoptera litura F., Jurnal Hayati, **1**(1):21-23.
- Salamun, 1993, Efek Residual Bacillus Thuringiensis H-14 dan Bacillus Sphaericus h-5a5b Terhadap larva Aedes aegypti L. pada Beberapa Tipe Tempat Penampung Air, Thesis, UGM, Yogyakarta.
- Sazali, M. dan Astuti, R.R.U.N.W., 2018, Pengendalian Vektor Demam Berdarah Menggunakan Lethal MosquitoTrap Modification (LMM) di Kelurahan Pagutan Induk, Kota Mataram, Jurnal Biosains, **4**(3).
- Sembel, D.T., 2009, Entomologi Kedokteran, Penerbit ANDI, Yogyakarta.

- Sihotang, H. dan Umniyati, S. R., 2018, Toksisitas temephos, minyak atsiri jahe (*Zingiber officinale* Roxb) dan *Bacillus thuringiensis* ssp. *israelensis* (Bti) terhadap larva nyamuk *Ae. aegypti* dari Sumatra Utara. *Berita Kedokteran Masyarakat (BKM) Journal of Community Medicine and Public Health*. **34**(3): 127-136.
- Soedarto, 2008, *Parasitologi Klinik*. Airlangga University Press, Surabaya.
- Soegijanto, S., 2004, *Demam Berdarah Dengue*, Airlangga University Press, Surabaya.
- Soegijanto, S., 2006, *Demam Berdarah Dengue*. Edisi kedua, Airlangga University Press, Surabaya.
- Sumarmo, S., 1988, *Demam Berdarah (Dengue) pada Anak (Desertasi)*. UI Press, Jakarta.
- Supartha, I.W., 2008, *Pengendalian Terpadu Vektor Virus Demam Berdarah Dengue, Aedes aegypti (Linn.) dan Aedes albopictus (Skuse) (Diptera: Culicidae)*, Makalah disampaikan dalam Seminar DiesUnud2008, Denpasar, Fakultas Kedokteran Universitas Udayana.
- Suriani, A., dan Muis, 2016, *Prospek Bacillus subtilis sebagai Agen Pengendalian Hayati Pathogen Tular Tanah pada Tanaman Jagung.*, *J. Litbang. Pert.*, **35**(1): 37-45.
- Suroso, T., 1990, *Situasi dan Program Pemberantasan Demam Berdarah Dengue. Procceding Seminar dan Workshop. Berbagai Aspek Demam Berdarah Dengue dan Penanggulangannya*, Universitas Indonesia, Depok.
- Suryadi, B.F., Yanuwadi, B., Ardyati, T., dan Suharjono, S., 2016, *Evaluation of Entomopathogenic Bacillus sphaericus Isolated From Lombok Beach Area Against Mosquito Larvae*, *Asian Pacific Journal of Tropical Biomedicine.*, **6**(2):148–154.
- Swadener, C., 1994, *Bacillus thuringiensis*, *Journal of Pesticides Reform.*, **14**(3): 13–20.
- Utami, M., 2018, *Karakterisasi Isolat Lokal Bacillus sp. Potensial sebagai Biolarvasida Hasil Isolasi dari Larva Nyamuk dan Endapan Tempat Perindukan Nyamuk Aedes aegypti*, Skripsi, Universitas Airlangga, Surabaya.
- Vezzani, D., Vellazques, M.S., dan Schweigmann, N., 2004, *Seasonal pattern of abundance of Aedes aegypti (diptera: culicidae) in Buenos Aires, Argentina*, *Mem. Inst. Oswaldo Cruz.*, **99**(4):351-6.

- Wei D, Cai Q, Yuan Z., 2006, Mosquitocidal toxin from *Bacillus sphaericus* induces stronger delayed effects than binary toxin on *Culex quenequefasciatus* (Diptera; Culcidae), *Journal of Medical Entomology*, **43**:726-730.
- WHO, 1984, Report of the Seven Meeting of the Scientific Working Group on Biological Control of Vector, WHO, Geneva.
- WHO, 2015, World Malaria report, WHO, Geneva.
- Wibowo, C.I., 2017, Efektivitas *Bacillus thuringiensis* dalam Pengendalian Larva Nyamuk *Anopheles* sp. *Biosfera.*, **34**(1): 39-46.
- Widyastuti, U., dan Yuniarti, R.A., 2009, Pengendalian jentik aedes aegypti menggunakan mesocyclops aspericornis melalui partisipasi masyarakat. *Media Peneliti. dan Pengembang. Kesehatan*, **19**.
- Wuwungan, A.A., Lumanauw, S.J., Posangi, J., dan Pinontoan, O.R., 2013, Preferensi Nyamuk *Aedes aegypti* pada Beberapa Media Air, *Jurnal Biomedik (JBM)*, **5**(1): 32-37.
- Yuan, Z., Hansen, B.M., Andrup, L., dan Eyllenberg, J., 2002, Detection of Enterotoxin Genes in Mosquito-Larvicidal *Bacillus* sp., *Current Microbiology* **45**: 221-225.
- Yulidar dan Wilya, V., 2015, Siklus hidup *Aedes aegypti* pada skala laboratorium. *SEL.* **2**(1): 22-28
- Yusuf, Y., 2009, Penggunaan Bakteri *Bacillus* spp untuk Pengendalian Jentik Nyamuk *Anopheles* spp, *Bionature*, **10**(2): 102-105.
- Zeigler, D.R. dan Perkins, J.B., 2015, *The Genus Bacillus*, CRC Press, Taylor and Franciss Goup, New York.
- Zettel, C. dan Kaufman, P., 2009, *Yellow Fever Mosquito: Aedes aegypti* (Linnaeus) *Insecta: Dipetera: Culcidae*, IFAS Extention Publication EENY, University of Florida.