

DAFTAR PUSTAKA

- Adelsbach, T.L and Tjeerdema, R.S. 2003. *Reviews of environmental contamination and toxicology*. Springer: USA.
- Aizoun, N., Azondekon, R., and Akogbeto, M. 2014. Similarity between WHO susceptibility test and CDC bottle bioassay, two important tools for the determination of insecticide susceptibility in malaria vectors. *International journal of current microbiology and applied science*. Vol 3(9): 1-7.
- Anonim. 2009. <http://chemconnections.org/organic/chem226/226assign-12.html>. Diakses pada tanggal 17 April 2018.
- Anonim. 2014. Alat penyuling minyak atsiri - Bagian 1 : Sistem kukus – Syarat mutu dan metode uji. SNI 8028-1:2014. Badan Standardisasi Nasional: Jakarta.
- Anonim. 2016. <http://www.who.int/emergencies/zika-virus/timeline/en/>. Diakses pada tanggal 15 Januari 2018.
- Anonim. 2017. <http://www.who.int/mediacentre/factsheets/fs387/en/>. Diakses pada tanggal 15 Januari 2018.
- Baser, K.H.C. and Buchbauer, G. 2010. *Handbook of essential oils: Science, technology and applications*. CRC Press: New York.
- Bass, C., Nikou, D., Donnelly, M.J., Williamson, M.S., Ranson, H., Ball, A., Vontas, J. and Field, M. 2007. Detection of knockdown resistance (Kdr) mutations in *Anopheles gambiae* : A comparison of two new high-throughout assay with existing methods. *Malaria journal*. Vol 6(111): 1-14.
- Batish, D.R., Singh, H.P., Kohli, R.K., Kaur, S. 2008. Eucalyptus essential oil as a natural pesticide. *Forest ecology and management*. Vol 256(12): 2166-2174.
- Biber, P.A., Duenas, J.R., Almeida, F.L., Gardenal, C.N., Almiron, W. R. 2006. Laboratory evaluation of susceptibility of natural subpopulations of *Aedes aegypti* larvae to temephos. *J Am mosq control assoc*. 22: 408–411.
- Boewono, D.T., Barodjil dan Mujiyono. 2005. Uji Kerentanan *Anopheles aconitus* dan *Anopheles maculatus* Terhadap Insektisida Sintetik Pyrethroid di Jawa Tengah dan DIY. *Jurnal Ekologi Kesehatan*. Vol 4(2): 227-232.

- Brogdon, W., Chan, A. 2010. *Guidelines for evaluating insecticide resistance in vectors using the CDC bottle bioassay/ methods in Anopheles research. second edition*. CDC Atlanta USA: CDC technical report.
- Carpenter, S.J and LaCasse, W.J. 1955. *Mosquitoes of north america (North of Mexico)*. University of california press. Berkeley CA.
- Chaiyasit, D., Choochote, W., Rattanachanpichai, E., Chaithong, U., Chaiwong, P., Jitpakdi, A., Tippawang- kosol, P., Riyong, D. and Pitasawat, B. 2006. Essential oils as potential adulticides against two populations of *Aedes aegypti*, the laboratory and natural field strains, in Chiang Mai province, northern Thailand. *Parasitology research*. 99: 715-721.
- Cox, F. E. G (eds). 1993. *Modern parasitology. A textbook of parasitology 2nd edition*. Blackwell Science Ltd: USA.
- Cutwa, F.M., O'Meara G.F. 2007. *An identification guide to the common mosquitoes of florida*. Florida Medical Entomology Laboratory.
- Diniz, D.F.A., de Mole-Santos, M.A.V., dos Santos, E.A., Beserra, E.B., Helvecio, E., de Carvalho-Leandro, D., dos Santos, B.S., de Menezes Lima, V.L., Ayres, C.V.J. 2015. Fitness cost in field and laboratory *Aedes aegypti* populations associated with resistance to the insecticide temephos. *Parasit vector*. Vol (8): 662.
- Donatus, L.A. 2005. *Toksikologi dasar*. Laboratorium Farmakologi dan Toksikologi, Fakultas Farmasi. Universitas Gadjah Mada: Yogyakarta.
- Dwivedi, V dan Tripathi, S. 2014. Review study on potential activity of *Piper betle*. *Journal of pharmacognosy and phytochemistry*. Vol 3(4): 93-98.
- Eldridge, B. F dan Edman, J. D. 2000. *Medical entomology*. Kluwer Academic : Dordrecht.
- Finey, D.J. 1971. *Probit analysis*. Cambridge University Press. London: UK.
- Foster, W.A., Walker, E.D. 2002. *Mosquitoes medical and veterinary entomology*. London: UK.
- Gosling, P. J. 2005. *Dictionary of parasitology*. CRC Press: USA.
- Griffiths, Henry. J. 1978. *A handbook of veterinary parasitology : Domestic animals of north america*. University of Minnesota Press: USA.
- Grisales, N., Poupardin, R., Gomez, S., Gonzalez, I.F., ranspn, H., Lenhart, A. 2014. Temephos Resistance in *Aedes aegypti* in Colombia Compromises Dengue Vector Control. *Plose Neglected Tropical Diseases*. Vol 7 (9): 1-10.

- Hamid, Penny.H., Prastowo, Joko., Ghiffari, A., Taubert, A., and Hermosilla, C. 2017. *Aedes aegypti* Resistance Development to Commonly Used Insecticides in Jakarta, Indonesia. *Plose one*: 1-11.
- Hayes, E.B. 2009. Zika Virus Outside Africa. *Synopsis emerging infectious disease*. Vol 15(9): 1347-1350.
- Helliker, P.E. 2000. *DEET (N,N-diethyl-meta-toluamide) : Risk Characterization Document*. California Environmental Protection Agency : Departement of Pesticide Regulation.
- Hodijah, D. N. dan Widawati, Mutiara. 2014. Potential topical natural repellent against *Ae. Aegypti*, *Culex* sp. and *Anopheles* sp. mosquitoes. *Journal of health science indonesia*. Vol (5): 44-48.
- Isman, M.B., Griensesien, M.L. 2014. Botanical insecticide research: Many publication, limited useful data. *Trends Plant Sci*. Vol 19(3): 140-145.
- Jacob, Dennis., Fox, Mark., Gibbons, Lynda., Hermosilla, Carlos. 2016. *Principles of veterinary parasitology*. In : *Arthropods part 1: Introduction and Insect*. Chapter 2. John Wiley & Sons, Ltd. UK.
- Jati, S.P. 2013. Model backpropagation neural Network untuk peramalan kasus demam berdarah di D.I Yogyakarta. Skripsi. Tidak Diterbitkan. Fakultas MIPA. Universitas Negri Yogyakarta: Yogyakarta.
- Koren, Gideon., Matsui, D., and Bailey, B. 2003. DEET-based insect repellents: safety implications for children and pregnant and lactating women. *Review Synthese*. CMAJ. Vol 169(3): 209-12.
- Kumar, S., Wahab, N., and Warikoo, R. 2011. Bioefficacy of mentha piperita essential oil against dengue fever mosquito *Aedes aegypti* L. *Asian Pasific journal of tropical biomedicine*. Vol 1(2): 85-88.
- Kweka, E.J., Lyatuu, L.L., Mboya, M.A., Mwang'onde, B.J., Mahande, A.M. 2010. Oviposition deterrence induced by kilimandscharicum and *Ocimum suave* extracts to gravid *anopheles gambiae* s.s (Diptera: Culicidae) in Laboratory. *Journal of Global Infectious Diseases*. Vol 2: 242-245.
- Landcare Research. *Aedes (Stegomyia) aegypti* (Linnaeus, 1762). Ours Science. The Landcare research manaaki whenua.
- Lebowitz, H., Kidwell, J., Young., Brusick, D. 1983. DEET (N. N-Diethyltoluamide) does not affect sperm number, viability and head morphology in male rats treated dermally. *Journal of Drug and Chemical Toxicology*. Vol 6(4): 90-95.

- Llinas, G.A., Seccacini, E., Gardenal, C.N., Licastro, S. 2010. Current resistance status to temephos in *Aedes aegypti* from different regions of Argentina. *Mem Inst Oswaldo Cruz*. 105: 113–116.
- Lima, J.B., Da-Cunha, M.P., Da Silva, R.C., Galardo, A.K., Soares, S.S. 2003. Resistance of *Aedes aegypti* to organophosphates in several municipalities in the state of Rio de Janeiro and Espirito Santo, Brazil. *Am J Trop Med Hyg*. 68: 329-333.
- Marques, A.M and Kaplan, M.A.C. 2015. Active metabolites of the genus *Piper* against *Aedes aegypti* : Natural alternative sources for dengue vector control. *Journal of Faculty of Science*. Vol. 20 (1): 61-82.
- Massebo, F., Tadesse, M., Balkew, M and Michael, T.G. 2013. Bioactivity of essential oil of local plants against adult *Anopheles arabiensis* (Diptera : Culicidae) in Ethiopia. *Advances in bioscience and biotechnology journal*. Vol.4: 805-809.
- Morais, S.M., Facundo, V.A., Bertini, L.M., Cavalcanti, E.S.B., Junior, J.F.A., Ferreira, S. A., Brito, E.S., and Neto, M.A. 2007. Chemical composition and larvicidal activity of essential oils from *Piper* species. *Biochemical Systematics and Ecology*. Vol 35: 670-675.
- Mueller, D.B. 1990. Resistance of insect pests and disease vectors to synthetic pyrethroids. *Journal of Pesticide Reform*. Vol. 10 (4): 34-38.
- Muktar, Yimer., Tamerat, N., Shewafera, A. 2016. *Aedes Aegypti* a vector of Flavivirus. *Journal of Tropical Disease*. Vol. 4(5): 1-7.
- Oliveira, G.L., Cardoso, S.K., Larajunior, C.R., Vieira, T.M., Guimares, E.F., Figueiredo, L.S., Martins, E.R., Moreira, D.L., and Kaplan, M. A. 2013. Chemical study and larvicidal activity against *Aedes aegypti* of essential oil of *Piper aduncum* L. (Piperaceae). *Anais da Academia Brasileira de Ciencias*. Vol 85 (4): 1227-1234.
- Panneerselvam, C., Murugan, K., Kovendan, K., and Kumar, P.M. 2012. Mosquito larvicidal, pupicidal, adulticidal, and repellent activity of *Artemisia nilagirica* (Family : Compositae) against *Anopheles stephensi* and *Aedes aegypti*. *Parasitol Res*. Vol.111: 2241-2251.
- Pellegrino, M., Steinbach, N., Stensmyr, M.C., Hansson, B.S dan Vosshall, L.B. 2011. A natural polymorphism alters odour and DEET sensitivity in an insect odorant receptor. *Research Letter*. Vol.1: 1-6.
- Perea, E.Z., Leon, R.B., Salcedo, M.P., Brogdon, W.G., and Davine, G.J. 2009. Adaptation and evaluation of the bottle assay for monitoring insecticide resistance in disease vector mosquitoes in the Peruvian Amazon. *Malaria Journal*. Vol 8(208): 1-11.

- Prajapati V, Tripathi AK, Aggarwal KK, Khanuja SPS. 2005. Insecticidal, repellent and oviposition-deterrent activity of selected essential oils against *Anopheles stephensi*, *Aedes aegypti* and *Culex quinquefasciatus*. *Bioresour Technol*. Vol.96: 1749–1757.
- Rajkumar, S., Jebanesan, A. 2009. Larvicidal and oviposition activity of *Cassia obtusifolia* Linn (Family: Leguminosae) leaf extract against malarial vector, *Anopheles stephensi* Liston (Diptera: Culicidae). *Parasitology Research*. Vol.104: 337–340.
- Rehman, H., Aziz, A.T., Sanggu, S., Abbas, Z.K., Mohan, A., and Ansari, A.A. 2014. Systematic review on pyrethroid toxicity with special reference to deltamethrin. *Journal of Entomology and Zoology Studies*. Vol.2 (6): 60-70.
- Resh, V. H dan Carde, R. T. 2003. *Encyclopedia of Insects*. Elsevier Science : USA.
- Rodriguez, M.M., Bisset, J., Fernandez, D.M., Lauzan, L., Soca, A. 2001. Detection of insecticide resistance in *Aedes aegypti* (Diptera: Culicidae) from Cuba and Venezuela. *J Med Entomol*. Vol. 38: 623–628.
- Roger, C.R. 1997. The potential of botanical essential oils for insect pest control. *Integrated Pest Management Reviews*. Vol (2): 25–34.
- Schmutterer, H. 1995. *The Neem Tree: Source of unique natural products for integrated pest management, medicine, industry and other purposes*. German : VCH.
- Silva, P.C.B., Dutra, K.A., Santos, G.K., Silva, R.C.S., Lulek, J., Pinheiro, P.M., and Navarro, D.M.A. 2016. Evaluation of the activity of the essential oil from an ornamental flower against *Aedes aegypti*: Electrophysiology, molecular dynamics and behavioral assays. *Plos One*. DOI: 10.1371. 1-15.
- Sirisopa, P., Thanispong, K., Chareonviriyaphap, T., and Juntarajumnong, W. 2014. Resistance to synthetic pyrethroids in *Aedes aegypti* (Diptera: Culicidae) in Thailand. *Journal of Kasetsart (Natural Science)*. Vol.48 (4): 577-586.
- Srinivasan, P.V., Nathan, S.S., Ponsarkar, A., Thanigaivel, A., Edwin, E.S., Rani, S.S., Chellappandian, M., Pradeepa, V., Escaline, J.L., Kalaivani, K., Hunter, W.B., Duraipandian, V., and Al-Dhabi, N.A. 2017. Comparative analysis of mosquito (Diptera: Culicidae: *Aedes aegypti* Liston) responses to the insecticide temephos and plant derived essential oil derived from *Piper betle* L. *Ecotoxicology and Environmental Safety*. Vol. 139: 439–446.

- Souto, R.N.P., Harada, A.Y., Andrade, E.H.A., Maia, J.G.S. 2012. Insecticidal activity of *Piper* essential oils from the Amazon against the fire ant *Solenopsis saevissima* (Smith) (Hymenoptera: Formicidae). *Neotropical Entomology*. Vol. 41 (2): 510-517.
- Subargus, Amin. 2015. Analisis terhadap kebijakan pemberantasan sarang nyamuk (PSN) dalam upaya penanggulangan demam berdarah *Dengue* (DBD) di Wilayah Provinsi Daerah Istimewa Yogyakarta. *Jurnal Kesehatan Surya Medika Yogyakarta*.
- Sukumar K, Perich MJ, Boobar LR. 1991. Botanical derivatives in mosquito control: A Review. *Journal Am Mosquito Control Assoc*. Vol. 72: 210–237.
- Tawatsin, A., Asavadachanukorn, P., Thavara, U., Wongsinkongman, P., Bansidhi, J., Boonruad, T. 2006. Repellency of essential oils extracted from plants in Thailand against four mosquito vectors (Diptera: Culicidae) and oviposition deterrent effects against *Aedes aegypti* (Diptera: Culicidae). *Southeast Asian Journal of Tropical Medicine and Public Health*. Vol 37: 915–931.
- Tennyson, S., Arivoli, S., Raveen, R., Bobby, M., Dhinamala, K. 2012. Larvicidal activity of *Areca Nicotiana tabacum* and *Piper betle* Leaf Extracts Against the Dengue Vector *Aedes aegypti* (Culicidae). *International Journal of Research in Biological Science*. Vol. 2 (4): 157-160.
- Thuy, T. T. 2015. Effect of DDT on environment and human health. *Journal of Education and Social Science*. Vol 2: 108-104.
- Thomas, A.N.S. 1989. *Tanaman Obat Tradisional 1*. PT Kanisius: Yogyakarta.
- Untung, Kasumbogo. 2004. Dampak Pengendalian Hama Terpadu Terhadap Pendaftaran dan Penggunaan Pestisida di Indonesia. *Jurnal Perlindungan Tanaman Indonesia*. Vol.10 (1): 1-7.
- Urquhart, G.M., Armour, J., Duncan, J.L., Dunn, A.M., Jennings, F.W. 2011. *Veterinary Parasitology 2nd Edition*. Blackwell Science: US.
- Usta, J., Kreydiyyeh, S., Bakajian, K., and Nakkash-Chmaissee, H. 2002. In vitro effect of eugenol and cinnamaldehyde on membrane potential and respiratory complexes in isolated rat liver mitochondria. *Food Chem Toxicol*. Vol (40): 935-940.
- Waliwitiya, R., Kennedy, C.J., Lowenberger, C.A. 2009. Larvicidal and oviposition-altering activity of monoterpenoids, trans-anethole and rosemary oil to the yellow fever mosquito *Aedes aegypti* (Diptera: Culicidae). *Pest Management Science*. Vol. 65: 241– 248.

- Wall, Richard and Shearer, David. 2001. *Veterinary Ectoparasites: Biology, Pathology and Control 2nd Edition*. Blackwell Science Ltd: USA.
- Warikoo, R and Kumar, S. 2014. Oviposition altering and ovicidal efficacy of root extracts of *Argemone mexicana* against dengue vector, *Aedes aegypti* (Diptera: Culicidae). *Journal of Entomology and Zoology Studies*. Vol. 2 (4): 11-17.
- World Health Organization. 2002. Pencegahan dan pengendalian *dengue* dan demam berdarah: Panduan lengkap. Penerjemah: Salmiyatun. Judul Buku Asli: *Prevention and Control of Dengue and Dengue Haemorrhagic Fever: Comprehensive Guidelines*. Penerbit Buku Kedokteran E.C.G: Jakarta.
- Yahya dan Betriyon. 2013. Potensi serbuk daun sirih (*Piper betle*, L) sebagai larvasida nyamuk *Aedes aegypti*. *Loka Penelitian dan Pengembangan Pengendalian Penyakit Bersumber Binatang Baturaja, Badan Penelitian dan Pengembangan Kesehatan*. Vol.20: 20-28