# DAFTAR PUSTAKA


Anindita, R dan Kesetyaningsih, T.W. 2007. Deteksi Resistensi Larva *Aedes aegypti* dengan Uji Biokimia Berdasarkan Aktivitas Enzim Esterase di Kabupaten Bantul DIY. *Mutiara Medika* 7(2): 88-94.

Bathia, R., Dash, A., P and Sunyoto, T. 2013. Changing Epidemiology of Dengue in Southeast Asia. WHO South-East Asia. *Journal of Public Health* 2(1): 23-7.

Beaty, B. J and Marquardt, W. C. 1996. The Biology Of Diseas Vectors. Colorado: The University Press Of Colorado.

Bisset, J. A., Rodriguez. M. M., Molina. D., Diaz. C., and Soca. L. 2001. High Esterases as Mechanisms of Resistance to Organophosphate Insecticides in *Aedes aegypti* Strains. *Cubana Med Trop* 53:37-43.

Bisset, J. A., Rodriguez, M. M., Ricardo. Y and Ranson. H. 2011. Temefos resistance and esterase activity in the mosquito *Aedes aegypti* in Havana, Cuba increase dramatically between 2006 and 2008. *Medical and veterinary Entomology* 25: 233-39.

Brogdon, W.G and Mc Allister, J. C.1998. Insecticide Resistance And Vector Control. *Emerge Infect Dis* 1(4): 1-12.

Burvine, J. A. R. 1971. Techniques for Testing Insecticides. Commonwealth Argicultural Bureaux. London: 336.

Devita, R. 2017. Status Kerentanan dan Indikator Entomologi Nyamuk *Aedes spp.* (Diptera: Culicidae) Terhadap Temefos di Jorong Pulau Punjung, Kecamatan Pulau Punjung, Kabupaten Dharmasraya, Sumatera Barat. [Skripsi]. Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Andalas. Padang.

Dinas Kesehatan Sumatera Barat. 2015. Profil Kesehatan Provinsi Sumatera Barat Tahun 2016. Padang: Dinas Kesehatan.

Dinas Kesehatan Pariaman. 2015. Data DBD Per Desa se-Kota Pariaman. Pariaman: Dinas Kesehatan.

Dinas Kesehatan Pariaman. 2016. Profil Kesehatan Kota Pariaman. Pariaman: Dinas Kesehatan. Diakses pada tanggal 30 Januari 2017

Dinas Kesehatan Sumatera Barat. 2018. Profil Kesehatan Provinsi Sumatera Barat Tahun 2017. Padang: Dinas Kesehatan.

EPA. 2009. Temefos. http:///www.epa.gov/pesticides/op/temefos facts. Diakses pada tanggal 30 September 2017

Finey, D. J. 1971. Probit Analysis. 3rd ed, Cambridge University Press, London.

Foley, T. D. 2005. Biochemical Toxicology of Insecticides: The Road Towards Reduced-Risk Insecticides, Chemistry Departement, University of Scranton.

Forbes, S. L. and D. O. Carter. 2015. Processes and Mechanisms of Death and Decomposition of Vertebrate Carrion. *in* Benbow M.E. Benbow, J.K.Tomberlin and A.M.Tarone. Carrion Ecology, Evolution, and Their Applications. CRC Press.New York. 13-27.

Frank, C. L. 1995. Toksikologi Dasar (Asas, Organ Sasaran, dan Penilaian Resiko). Penerbit Universitas Indonesia. Jakarta.

Fuadzy, H dan Hendri, J. 2015. Indeks Entomologi dan Kerentanan Larva *Aedes aegypti* terhadap Temefos di Kelurahan Karsemenak, Kecamatan Kawalu, Kota Tasikmalaya. *Jurnal Vektora*. 3(2): 73-82

Gatehouse, J.A. 2002. Plant Resistanse Towards Insect Herbivores: A Dynamic Interaction. *New Phytol.* 156: 145-169

Gatton, M.L., Chitnis, N., Churcher, T., Donnelly, M.J., Ghani, A.C., Godfray, H.C.J., Gould, F., Hastings, I., Marshall, J., Ranson, H., Rownland, M., Shaman, J. and Lindsay, S.W. 2013. The Importance of Mosquito Behavioral Adaptations to Malaria Control in Africa. *Evolution.* 67: 1218-1230.

Grisales, N., Poupardin R., Gomez S., Fonseca-Gonzalez, I., Ranson, H., and Lenhart, A. 2013. Temephos Resisten in *Aedes* spp. in Colombia Compromises Dengue Vektor Control. USA: PLOS Neglected Tropical Diseases 7(9):2-8.

Harborne. J.B. 1987. Metode Fitokimia. Padmawinata K dan Soediro I, Penerjemah. Bandung: ITB. Terjemahan dari Phytochemical methods.

Hasmiwati. Tjong, D.H and Novita, E. 2016. Deteksi dan Identifikasi Resistensi Insektisida Sintesis Pada *Aedes aegypti* Vektor Demam Berdarah Dengue (DBD) di Kota Padang. Prosiding Seminar Nasional. USU Press.

Hasmiwati. Renita, S. and Nofita, E. 2018. Ace-1 Gene With Insectisides Resistance in *Aedes aegypti* Population From DHF-endemic Areas in Padang, Indonesia. *Jurnal Biodiversitas* 19 (1):31-36.

Hemingway, J., Hawkes, N.J., Mc Carroll, L and Ranson, H., 2004. The Molecular Basic of Insecticide Resistance in Mosquitoes. *Insect Biochem Moleculer Biologi* 34.

Hemingway, J., and Ranson, H. 2000. Insecticide Resistance in Insect Vector of human disease. *Annual Review of Entomology* 45:371-91.

Herms, W. 2006. Medical Entomology. The Macmillan Company. USA 175-179.

Hoedojo. 1993. DBD dan Penanggulangannya. Parasitologi Indonesia (1). Jakarta

Hudson, J. E. 1983. Susceptibility of *Aedes aegypti* and *Culex quinquefasciatus* to Insecticide in Paramoribo, Surinam, 1979-1981 and Experimental Selection for Resistance. *Cah ORSTOM Ser Entomol Med Parasitol*. 21: 275-279.

Istiana, F., Heriyani dan Isnaini. 2012. Status Kerentanan Larva *Aedes aegypti* Terhadap Temefos Di Banjarmasin Barat. *Jurnal Epidemiologi dan Penyakit Bersumber Binatang*. 4(2): 53-58

Kementrian Kesehatan RI. 2010. Peraturan Menteri Kesehatan Republik Indonesia No 374/Menkes/Per/III/2010 Tentang Pengendalian Vektor Jakarta: Kemenkes RI.

Kementrian Kesehatan RI. 2011. Modul Pengendalian Demam Berdarah Dengue. Jakarta: Dirjen Pengendalian Penyakit dan Penyehatan Lingkungan.

Kementrian Kesehatan RI. 2012. Pedoman Penggunaan Insektisida (Pestisida) Dalam Pengendalian Vektor. Jakarta: Katalog Dalam Terbitan.

Kementrian Kesehatan RI. 2015. Profil Kesehatan Indonesia 2014. Jakarta: Kemenkes RI.

Kementrian Kesehatan RI. 2016. Profil Kesehatan Indonesia 2015. Jakarta: Kemenkes RI.

Kementrian Kesehatan RI. 2017. Profil Kesehatan Indonesia 2016. Jakarta: Kemenkes RI.

Khopkhar, S. M. 1990. Konsep Dasar Kimia Analitik. Jakarta: UI Press.

Lesmana, D. S. 2010. Resistensi *Aedes aegypti* terhadap Insektisida Golongan Organofosfat. Artikel Ilmiah. 4(1):10-13

Li, X., Schuler, M.A. and Berebaum, M.R. 2007. Moleculer Mechanism of Matabolic Resistance to Synthetic and Natural Xanobiotics. *Annu. Rev. Entomol* 52: 231-253.

Lima, J. B. P., Da-Cunha, M. P., Da Silva, R. C., Galardo., A. K. R., Soares, S. D., Braga, I. A., Ramos, R. P., and Valle, D. 2003. Resistance of *Aedes aegypti* to organophosphat in several municipalities in the state of Rio de Janeiro and Espirito Santo, Brazil. *Amer. J. Trop. Med. Hyg*. 68: 329-333.

Lima, E. P., Paiva M.H.S., Araujo A. P., Silva E.V.G., Silva U. M., Oliveira L. N., Santana A.E.G., Barbosa C.N., Neto C.C.P., Goulart M.O., Wilding C.S., Ayres C.F.J and Santos M.A.V.M. 2011. Insecticide resistance in *Aedes aegypti* populations from Ceara, Brazil. *Par & Vect.* 4(5): 1-12.

Loke, S. R., Andy-Tan, W., Benjamin, S., Lee. H.L and Sofian-Azirun, M. 2010. Susceptibility of field-collected *Aedes aegypti* (L.) (Diptera: Culicidae) to *Bacillus thuringiensis israelensis* and temefos. Tropical Biomedicine 27(3): 493-503.

Marcombe, S., Pourpardin, R., Darriet, F., Reynaud, S and Bonnet, J. 2009. Exploring The Molecular Basis of Insecticide Resistance in The Dengue Vector *Aedes aegypti*: A Case Study in Mardinique Island (French West Indies). *BMC Genomics* 10: 494.

Mouches, C. 1987. Over production of detoxifying esterases in organophosphate resistant *Culex* mosquitoes and their presence in other insects. *Proc Natl Acad Sci* 84: 21136.

Mulyaningsih, B. 2004. Variation in Susceptibillity Status To Organophospat insecticide among several geographic population of *Aedes albopictus* Skuse in Indonesia. *I J Biotech*, 5 (2): 584-589.

Mulyatno, K.C., Yamanaka, A., Ngadino and Konishi, E. 2012. Resistance of *Aedes aegypti* (L.) Larvae to Temefos in Surabaya, Indonesia. *Southeast Asian Jt Rop Med Public Health*. 43(1): 29-33.

Muthusamy, R., Ramkumar, G., Karthi, S and Shivakumar, M.S. 2014. Biochemical mechanisms of insecticide resistance in field population of Dengue vector *Aedes aegypti* (Diptera: Culicidae). *International Journal of Mosquito Research* 1(2): 1- 4.

Naqqash, M. N., Gokce, A., Bakhsh, A and Salim, M. 2016. Insecticide Resistance and molecular basis in urban insect pest. Parasitology Research. Springer.

Pamungkas, R. W., Syafei, N. S., and Arto, Y. S. Perbandingan Efek Larvasida Minyak Atsiri Daun Cengkeh (*Syzygium aromaticum* L.,) Varietas

Zanzibar dengan Temefos Terhadap Larva Nyamuk *Aedes aegypti*. *Pharm Sci Res* 4(1).

Panini, M., Manicardi, G.C., Moores, G.D and Mazooni, E. 2016. An Overview of the Main Pathways of Metabolic Resistance in Insect. *ISJ* 13: 326-335.

Pasay, C., Walton, S., Fischer, K., Holt, D., and McCharthy, J., 2006. PCR-Based Assay to Survey for Knockdown Resistance to Pyrethroid Acaricides in Human Scabies Mites (Sarcoptes scabiet var hominis).

Perry, A.S.L., Yamamoto, I., Ishaya, I. R.Y and Perry. 1998. Insecticide in agriculture and environment. *Spinger*: 52-63.

Peraturan Menteri Kesehatan RI No 50. 2017. Standar Baku Mutu Kesehatan Lingkungan dan Persyaratan Kesehatan untuk Vektor dan Binatang Pembawa Penyakit Serta Pengendaliannya. Jakarta: Permenkes RI 1-82.

Plernsub, S., Saingamsook, J., Yanola, J., Lumjuan, N.,Tippawangkosol, Pi., Walton, C. and Somboon, P. 2016. Temporal Frequency of Knockdown Resistance Mutations, F1534C and V1016G, in *Aedes aegypti* in Chiang Mai city, Thailand and The Impact Of The Mutations on The Efficiency of Thermal Fogging Spray with Pyrethroids. *Journal Of Acta Tropica* 162: 125–132.

Ponlawat, P.J.G., Scott, L and Harrington. 2005. Insecticide Susceptibility of *Aedes aegypti* and *Aedes albopictus* Across Thailand. *Journal Med. Entomol*. 42(5):821-825.

Poupardin, Rodolphe., Srisukontarat, Wannaporn., Yunta, Cristina and Ranson, H. 2014. Identification Of Carboxylesterase Genes Implicated In Temefos Resistance In The Dengue Vector *Aedes aegypti*. *Journal Tropical Disease* 8(3).

Rahayu, R., Herawati, V., Fauzia, I., Isfhany, Y., Hasmiwati., Dahelmi., Mairawita., and Jannatan, R,Y. 2018. Susceptibility Status of *Aedes aegypti* (Diptera:Culicidae) Larvae Against Temephos in Padang, West Sumatera, Indonesia. *International Journal of Entomology Research*. 3 (3): 24-27.

Rodriguez, M.M., Hurtado, D., Severson, D.W and Bisset, J.A. 2014. Inheritance of Resistance to Deltamethrin in *Aedes aegypti* (Diptera: Culicidae) from Cuba. *Journal of Medical Entomology* 51(6): 1213-1219.

Rueda, M. L. 2004. Zootaxa 589: Pictorial Keys For the Identification of Mosquitoes (Diptera: Culicidae) Associated With Dengue Virus Transmission. New Zealand: Magnolia Press.

Scott, J. A. 1995. The molecular genetics of resistance; resistance as a respon to stress. *Symposium on pesticide resistance of florida entomologist* 78(3): 399-414.

Selvi, S., Edah M.A., Nazni W.A., Lee H.I., Tyagi B.K., Sofian A.M and Azahari A.H. 2010. Insecticide susceptibility and resistance development in malathion selected *Aedes albopictus (*Skuse). *Trop Bio Med*. 27(3): 534-550

Shi, M. A., Lougarre, A., Alies, C., Fremaux, I., Tang, Z. H., Stujan, J and Fournier, D. 2004. Acetylcolinesterase Alterations Reveal the Fitness Cost of Mutations Conferring Insecticide Resistance. 2004. *Artikel Of BMC Evolutionary Biology* 4(5): 2-8.

Soegijanto, S. 2006. Demam Berdarah Dengue Edisi Kedua. Surabaya: Airlangga University Press.

Soedarto. 2012. Demam Berdarah Dengue. Jakarta: Sagung Seto.

Soewoto, H. 2000. Biokimia Eksperimen Laboratorium. Jakarta: Widya Medika.

Sparks, T.C., Lockwood, J.A., Byford, R.L., Graves, J.B., and Leonard, B. R. 1989. The Role of Behavior in Insecticide Resistance. *Pestic. Sci*. 26: 383-299.

Suyono. 2012. Ilmu Kesehatan Masyarakat Dalam Konteks Kesehatan Lingkungan. Penerbit EGC. Jakarta

Vincent, C and N'Guessan, R. 2013. Distribution Mechanism, Impact and Management of Insecticide Resistance Malaria Vectors: A Pragmatic Review. Intech.Europe.

[WHO] World Health Organization. 1981. *Instructions for Determining the Susceptibility of Resistence of Mosquito Larvae to Insecticides* Geneva: World Health Organisation Press

[WHO] World Health Organization. 2007. Temephos. Switzerland: WHO Press.

[WHO] World Health Organization. 2010. Comprehensive Guidelines for Prevention and Control of Dengue and Dengue Haemorrhagic Fever. Jakarta.

[WHO] World Health Organization. 2015. Dengue and severe dengue. http://www.who.int/mediacentre/factsheets/fs117/en/ Di akses pada tanggal 16 September 2015.

[WHO] World Health Organization. 2016. Monitoring and Managing Insecticide Resistance in *Aedes* Mosquito Populations; Interim Guidance for Entomologists. WHO, Geneva, Switzerland

Widiarti., Suskamdani dan Mujiono. 2009. Resistensi Vektor Malaria Terhadap Insektisida di Dusun Karyasari dan Tukat Pule Pulau Balidan Desa Lendangree dan Labuhan Haji Pulau Lombok. *Media Penelitian dan Pengembangan Kesehatan* 19(3): 154-164.

Widiarti., Damar, T.B., Triwibowo, A. G., Rima, T., Puji, B. S., Asih dan Din, S. 2011. Biochemical Mechanisms of Insecticide Resistance in Field Population of Dengue vector *Aedes aegypti* (Diptera: Culicidae). Balai Besar Penelitian dan Pengembangan Vektor dan Reservoir Penyakit Salatiga. Balai Litbang P2B2 Donggala Lembaga Eijkman Jakarta.

Wirawan, I. A. 2006. Insektisida Pemukiman, Hama Pemukiman Indonesia, Pengenalan, Biologi dan Pengendalian. Unit Kajian Pengendalian Hama Pemukiman. Fakultas Kedokteran Hewan: IPB.

Womack, M. 1993. The Yellow Fever Mosquito, *Aedes aegypti*. *Wing Bets*.5(4): 4

Zettel, C., and Philip K. 2012. Yellow fever mosquito *Aedes aegypti* (Linnaeus) (Insecta: Diptera: Culicidae). Florida.University Of Florida.

Zulhasril dan Lesmana, S. D. 2010. Resistensi Larva *Aedes aegypti* Terhadap Insektisida Organofosfat di Tanjung Priok dan Mampang Prapatan, Jakarta. *Journal Kedokteran* 27(3): 96-107.