

DAFTAR PUSTAKA

- Agrawal, V. K., Tilak, R., & Gupta, K. K. D. 2005. Efficacy of synthetic pyrethroid and propoxur aerosol in the control of German cockroaches (Dictyoptera: Blattellidae) in cookhouses. *Journal of Vector Borne Diseases*, 42(3), 117–121.
- Ahmad, I., Astari, S., Putra, R. E., & Permana, A. D. 2009. Monitoring pyrethroid resistance in field collected *Blattella germanica* Linn. (Dictyoptera: Blattellidae) in Indonesia. *Entomological Research*, 39(2), 114–118.
- Ahmad , I., Astari, S., dan Tan, M. 2007. Resistance of *Aedes aegypti* (Diptera: Culicidae) in 2006 Pyrethroid Insecticides in Indonesia and Its Association with Oxidase and Esterase Levels, *Pakistan Journal of Biological Sciences*, 10(20), 3688- 3692
- Amalia, H., & Harap, I. S. 2010. Preferensi Kecoa Amerika *Periplaneta americana* (L.) (Blattaria: Blattidae) terhadap Berbagai Kombinasi Umpan. *Jurnal Entomologi Indonesia*, 7(2), 67.
- Baumholtz, M. A., Parish, L. C., Witkowski, J. A., & Nutting, W. B. 1997. The medical importance of cockroaches. *International Journal of Dermatology*, 36(2), 90– 96.
- Baehaki, S. E., E. H. Iswanto, dan D. Munawar. 2016. Resistensi Wereng Coklat terhadap Insektisida yang Beredar di Sentra Produksi Padi. *Jurnal Penelitian Pertanian Tanaman Pangan*, 35(2): 99-108.
- Bestari, W., Rahayu, R., & Hariiani, N. 2014. Efektivitas Beberapa Insektisida Aerosol Terhadap Kecoak *Blattella germanica* (L .) (Dictyoptera ; Blattellidae) Strain VCRU-WHO , GFA-JKT DAN PLZ-PDG Dengan Metode Semprot. *J. Biologi Universitas Andalas*. 3(3): 207–212.
- Bloomquist, J. R. 1994. Cyclodiene resistance at the insect GABA receptor/chloride channel complex confers broad cross resistance to convulsants and experimental phenylpyrazole insecticides. *Archives of Insect Biochemistry and Physiology*, 26(1), 69–79.

- Brogdon, W.G., and McAllister, J.C. 1998. Synopses Insecticide resistance and vector control. *Emerging Infectious Disease*, 4(4), 605–613.
- Chai, R.Y., dan Lee, C.Y. 2010. Insecticide Resistance Profiles and Synergism in Field Populations og German Cockroach (Dictyoptera: Blattellidae) from Singapore, *Journal of Economic Entomology*, 103(2), 420-471.
- hang, K.S., Jung, J.S., Park, C., Lee, H.I. Lee, W.G., Lee, D.K., dan Shin, E.H. 2009. Insecticide Susceptibility and Resistance of *Blattella germanica* (Blattaria: Blattellidae) in Seoul, Republic og Korea, *Entomological Research*, 39(4),243-247.
- Chang, K.S., Sin, E.H., Jung, J.S., Park, C., dan Ahn, Y.J. 2010. Monitoring of insecticide Resistance in Field Collected Populations of *Blattella germanica* (Blattaria: Blattellidae), *Journal of Asia-Pasific Entomology*, 13, 309-312.
- Cox, C. 1998. Permethrin. *Jurnal of Pesticide Reform/Summer*. 18(2).
- Diaz, C., M. G. Perez., E. Calvo., M. M. Rodriguez and J. A. Bisset. 2000. Insecticide Resistance Studies on *Blattella germanica* (Dictyoptera: Blatellidae) from Cuba. Annals New York Academy of Sciences. 916: 628-634.
- Direktorat Pupuk dan Pestisida. 2004. Metode Pengujian Efikasi Hygiene Lingkungan. Departeman Pertanian Republik Indonesia. Jakarta
- Djojosumarto P. 2008. Pestisida dan Aplikasinya. Jakarta: Agromedia Pustaka.
- Dono, D., S. Ismayana, Idar, D. Prijono, dan I. Muslikha.2010. Status dan Mekanisme Resistensi Biokimia *Crocidolomia pavonana* (F.) (Lepidoptera: Crambidae) terhadap Insektisida Organofosfat serta Kepekaannya terhadap Insektisida Botani Ekstrak Biji *Barringtonia asiatica*. *Jurnal Entomologi Indonesia*. 7(1): 9-27.
- Gillot, C. 2005. *Entomology Third Edition*. Springer. Netherlands

- Gondhalekar, A. D. dan M. E. Scharf. 2012. Mechanisms underlying fipronil resistance in A multiresistant field populasi of the German cockroach (Blattodea: Blattellidae). *Journal of Medical Entomology*. 49 (1): 122-131.
- Hudayya, A. dan Hadis Jayanti. 2012. *Pengelompokan Pestisida Berdasarkan Cara Kerjanya (Mode of Action)*. Yayasan Bina Tani Sejahtera Lembang. Bandung.
- Indratin, S. Wahyuni, dan I. M. S. (2009). Isolation and Identification of Degradation Microbial Persistent Organic Poluttan on Soil Andosol Magelang. *Seminar Nasional XI Pendidikan Biologi FKIP UNS Biologi*, 383–389.
- Jannatan, R. 2016. Toksisitas dan Repelensi Ekstrak Sereh Wangi (*Cymbopogon nardus* (L.) kepada Kecoak Jerman (*Blatella germanica* L.) Serta Pengaruhnya Terhadap Konsumsi Makan. *Tesis*. Universitas Andalas.
- Kostyukovsky, M.,R. Ada, G. Carina, D. Nataly dan S. Eli. 2002. Activation of Octopaminergic Receptors by Essential Oil Constituents Isolated from Aromatic Plants: Possible Mode of Action Against Insect Pests. *Pest Management Science*, 58(11): 1101-1106
- Ladonni, H. 2000. Permethrin resistance ratios compared by two methods of testing nymphs of the German cockroach, *Blattella germanica*. *Medical and Veterinary Entomology*, 14(2), 213–216.
- Lee, C. Y., Hemingway, J., Yap, H. H., dan Chong, N. L. 2000. Biochemical characterization of insecticide resistance in the German cockroach, *Blattella germanica*, from Malaysia. *Medical and Veterinary Entomology*, 14(1), 11–18.
- Lee, C. Y., Yap, H. H., dan Chong, N. L. 1997. Elevated esterase detection in insecticide resistant German cockroaches (Dictyoptera: Blattellidae) using modified Pasteur-Georghiou's filter-paper method. *Tropical Biomedicine*, 14(1–2), 81– 86.
- Lee, L.C., dan Lee, C.Y. 2004. Insecticide resistance profiles and possible underlying mechanisms in German cockroaches, *Blattella germanica* (Linnaeus) (Dictyoptera: Blattellidae) from Peninsular Malaysia. *Medical Entomology and Zoology*.

- Liu, Z., Valles, S.M., dan Dong, K. 2000. Novel Point Mutations in the German Cockroach Para Sodium Channel Gene Are Associated With Knockdown Resistance (kdr) to Pyrethroid Insecticides, *Insect Biochemistry and Molecular Biology*, 30, 991-997.
- Madona, W. R., R. Rahayu, Dahelmi & N. Hariani. 2015. Efektivitas Insektisida Komersial Terhadap Kecoak Jerman (*Blattella germanica* L.) Populasi VCRU-WHO, GFA-JKT dan PLZ-PDG dengan Metode Kontak (Glass Jar). *Jurnal Biologi Universitas Andalas*, 4(2),113-118.
- Mattice, J. (2010). Handbook of Pesticides: Methods of Pesticide Residues Analysis. *Journal of Environment Quality*, 39(2), 759.
- Matsumura, F. 1985. *Toxicology of Insecticide*, 2nd ed.,Plenum Press, New York.
- Martins, A. J., Lima, J. B. P., Peixoto, A. A., dan Valle, D. 2009. Frequency of Val1016Ile mutation in the voltage-gated sodium channel gene of *Aedes aegypti* Brazilian populations. *Tropical Medicine & International Health*, 14(11), 1351-1355.
- Nurseha, T., Rahayu R., dan Hasmiwati. 2019. Insecticide Resistance in *Blattella germanica* L. (Dictyoptera: Blattellidae) from Bukittinggi and Palembang Againts Propoxur. *World journal of Pharmaceutical and Life Sciences*, 5(6), 99-103
- Oog B., Oog C dan Ferraro D. 2006. *Cocroach Control Animal*. Institute of Agriculture and Natural Resources at the University of Nebraska. Lincoln
- Pai, H. H., Wu, S. C., dan Hsu, E. L. 2005. Insecticide resistance in German cockroaches (*Blattella germanica*) from hospitals and households in Taiwan. *International Journal of Environmental Health Research*, 15(1), 33–40.
- Pedigo, L.P. 1996. Entomology and Pest Management. 3eds. Prentice Hall Inc, New Jersey, 359-439.
- Puji Endang A, Titin Delia,Yuliasih Yuneu, dan Santi Marliah. 2009. Toksisitas Insektisida Organofosfat dan Karbamat terhadap Jentik Nyamuk *Culex quinquefasciatus*. *Jurnal Aspirator* . 1(1).35-40

- Rahayu, R., Madona, W. R., Bestari, W., Dahelmi, dan Jannatan, R. 2016. Resistance monitoring of some commercial insecticides to German cockroach (*Blattella germanica* (L.) in Indonesia. *Journal of Entomology and Zoology Studies*, 4(6), 709–712
- Rahayu, R., I. Ahmad, E. Sri Ratna, M. I. Tan dan N. Hariani. 2012. Present Status of Carbamate, Pyrethroid and Phenylpyrazole Insecticide Resistance to German Cockroach, *Blattella germanica* (Dictyoptera: Blattellidae) in Indonesia. *Journal of Entomology* 9(6): 361-367.
- Rahmi, I.Y 2018.Tingkat Resistensi Kecoak Jerman (*Blattella germanica* L.) Terhadap Propoksur Setelah Pemeliharaan Di Laboratorium. *Skripsi*.Universitas Andalas. Padang.
- Rahayu, R. 2011. Status dan Mekanisme Resistensi serta Fitness *Blattella germanica* L. (Dictyoptera: Blattellidae) Asal Bandung, Jakarta dan Surabaya Terhadap Propuksur, Permetrin dan Fipronil. *Disertasi*. ITB. Bandung
- Raini, M. 2009. Toksikologi Insektisida Rumah Tangga dan Pencegahan Keracunan.*Media Penelitian dan Pengembangan Kesehatan*,19,27-33.
- Robinson, W.H.1996. *Urban Entomology*. Insect and Mite Pest in the Human Enviroment. Chapman & Hall. London, 3-13.
- Ruitg, G.S.F. 1985. Pyretroids, dalam G.A. Kerkut and L.I. Gilbert (s.), *Comprehnive Insect Physiology, Biochemistry, and Pharmcology*, Vol. 12, 183-262: Insect Control, Pergamon Press, New York
- Ross, M.H dan Mullins, D.E. 1995. Biology dalam Rust, M., Owen, J.M., dan Reierson, D.A. Understanding and Controlling the *German Cockroach* Oxford University Press. Pp:21-48
- Safitri, A. 2018. Evaluasi Keampuhan Dan Persistensi Insektisida Komersil Terhadap Kecoak Jerman (*Blatella Germanica* L.) Asal Bukittinggi. *Skripsi*. Universitas Andalas. Padang
- Safar, R. 2010. *Insektisida dan Resistensi*, Buku Parasitologi Kedokteran. Yrama Widya.Bandung.
- Scharft, M.E., Neal, J.J., Bennet, G.W, dan Marcus, C.B. 1997. Increased Cytochrome P450 Activity in An Insecticide Resistant Strain of German

Cockroach. *Resistant Pest Management*. 9(1), 26-37.

Sigit, S.H & Hadi, U.K. 2006. *Hama Pemukiman Indonesia (Pengenalan, Biologidan Pengendalian)*. Fakultas Kedokteran Hewan IPB. Bogor

Soderlund, DM dan D. C. Knipple. 2003. The Molecular Biology of Knockdown Resistance to Pyrethroid Insecticides. *Insect Biochemistry and Molecular Biology*, 33, 563-577

Sudarmo, S. 1991. *Pestisida*. Kasinus.Yogyakarta.

Suiter, D. R., dan Scharf, M. E. 2011. *Insecticide basics for the pest management professional*. Univ. Ga. Bull, 1352, 1-24.

Syahputra, E., Prijono, D., dan Dono D. 2007. Sediaan Insektisida Calophyllum Soulattri : Aktivitas Insektisida Dan Residu Terhadap Larva. *Jurnal HT Tropika*. 7(1), 21– 29.

Tan, J, Liu, Z, Tsai, T.D., Valles, S.M., Goldin A.L., dan Dong K. 2002. Novel Sodium Channel Gene Mutations in *Blattella germanica* Reduce the Sensitivity of Expressed Channels to Deltamethrin, *Insect Biochemistry and Molecular Biology*, 32: 445-454

Vagn-Jensen, K. M. 1993. Insecticide Resistance in *Blatella germanica* (L.) Proceedings of the First International Conference on Urban Pest Environment. Denmark.

WHO. 2002. D-Allethrin. WHO Specification And Evaluations For Public Health Pesicides. Geneva

WHO. 2006 a. *Esbioethrin*. WHO Specification And Evaluations For Public Health Pesicides. Geneva

WHO. 2004. *Prallethrin*. WHO Specification And Evaluations For Public HealthPesicides. Geneva

WHO. 2006 b. *Cyfluthrin*. WHO Specification And Evaluations For Public Health Pesicides. Geneva.

WHO. 2015a. *Cypermethrin*. WHO Specification And Evaluations For Public Health Pesicides. Geneva

WHO. 2006 c. *Imiprothrin*. WHO Specification And Evaluations For Public Health Pesticides. Geneva

WHO. 2015 b. *Permethrin*. WHO Specification And Evaluations For Public Health Pesticides. Geneva

WHO. 2016. *Transflutrin*. WHO Specification And Evaluations For Public Health Pesticides. Geneva

Zulkarnain, I. 2010. *Aplikasi Pestisida dan Analisa Residu Pestisida*. Universitas Sumatera Utara. Medan.

