

## DAFTAR PUSTAKA

- Alhadad M, Salbiah D, Sutikno A. 2013. Daya pemangsaan cecopet (*Euborellia anulata* Fab.) local terhadap larva kumbang janur kelapa (*Brontispa longissima* Gestro)(Coleoptera: Chrysomelidae) di laboratorium. Universitas Riau. <http://repository.unri.ac.id/handle/1234567893843> [13 Desember 2014]
- Ali A, Rizvi PQ. 2009. Life table studies of *Menochilus sexmaculatus* Fab. (Coleoptera: Coccinellidae) at varying temperature on *Lipaphis erysimi* Kalt. *World Applied Science Journal.* 7: 897-901.
- Alouw JC. 2009. Cecopet sahabat petani. *Info teknologi perkebunan.* 1(4) : 15
- Andrewartha H. 1982. *Selections from the Distributions and Abundance of Animals.* Chicago: University of Chicago.
- Andrewartha HG, Birch LC. 1982. *Selections from the Distribution and Abundance of Animals.* Chicago: University of Chicago
- Asnawi S, Darwis SN. 1985. Prospek Ekonomi Tanaman Kelapa dan Masalahnya di Indonesia. *Balai Penelitian Kelapa Terbitan Khusus:* 6
- Azuma S. 1986. *Colonizing insects in Okinawa-Invaders from the south.* Tokyo: Tokaidaiigaku Publishing Company.
- Azuma S, Kinjo M. 1978. On the two insect pests affecting palms on the Okinawa Island, Ryukyus. *Okinawa Agriculture.* 14: 21-25
- Badan Penelitian dan Pengembangan Pertanian. 2012. Inovasi Perkebunan Mendongkrak Pendapatan Petani. <http://perkebunan.litbang.pertanian.go.id/> [21 Januari 2014].
- Balai Besar Perbenihan dan Proteksi Tanaman Perkebunan Surabaya, Jombang (BBPPTP). 2013. Laporan tingkat serangan *B. longissima* triwulan II tahun 2014. Data Triwulan II Wilayah Kerja BBPPTP Surabaya Tahun 2013.
- Begon M, Mortiner M. 1981. *Population Ecology: A Unified Study of Animals and Plants.* Sunderland: Sinauer Associated Inc. Publisher
- Birch LC. 1948. The intrinsic rate of natural increase of an insect population. *Journal of Animal Ecology.* 17 : 15-26.
- Borror DJ, Triplehorn CA, Johnson NF. 1992. *Pengenalan Serangga Edisi Keenam* (Penerjemah : Partosoedjono, S. dan Brotowidjoyo, M.D). Yogyakarta : Gadjah Mada University Press

- Brown ES, Green AH. 1958. The control by insecticides of *Brontispa longissima* (Gestro)(Coleoptera: Chrysomelidae-Hispinae) on young coconut palms in British Solomon Island. *Bull. Entomology Res.* 49 : 239-272.
- Carey JR. 1993. *Applied demography for biologist with special emphasis on insect*. New York: Oxford University Press.
- Chapman K. 2004. Impact and Control of Coconut Hispinae Beetle. FAO Regional Office for Asia and The Pasific, Maliwan Mansion, Bangkok, Thailand. <http://www.fao.org/docrep/007/ad522e/ad522e07.htm#bm07.1> [21 Januari 2014]
- Chao-Xu L, Chun HS, Zi M, Long QW, Quan YF, Zhen YZ, Hua. 2011. Predatory functional response of black earwig *Chelisoches morio* to coconut leaf beetle *Brontispa longissima* (ABSTRACT). *Journal of Fruit Science*. 2011-02
- Chomphukhiao N. 2009. Earwig, *Chelisoches morio* F. (Dermaptera: Chelisochidae): Biology and Role for Biological Control of Coconut Hispine Beetle, *Brontispa longissima* Gestro (Coleoptera: Hispidae). Tesis. Bangkok: Kasetsart University
- Creighton JT. 1973. *Homaledra sabalella* Chamber, the major pest of palms in Florida. *J Econ Entomology*. 30: 590-595
- Departemen Pertanian. 2008. Pengendalian Kumbang Perusak Janur Kelapa. <http://www.deptan.go.id> [18 Januari 2014]
- Desmukh I. 1992. *Ekologi dan Biologi Tropika* (Penerjemah : Kartawinata, K. dan Danimihardja, S.). Jakarta : Yayasan Obor Indonesia.
- Direktorat Jenderal Perkebunan. 2012. Peningkatan Produksi, Produktivitas dan Mutu Tanaman Tahunan. <http://www.academia.edu/7343538> [17 Desember 2013]
- Effendi MS. 2013. Bioekologi coccinellidae predator sebagai agens pengendali hayati Aphididae spp. pada ekosistem pertanama cabai di Sumatera Barat. Tesis. Padang. Program Pascasarjana Fakultas Pertanian Universitas Andalas
- Fenner TL. 1996. Palm leaf beetle. *Agnote-Darwin*. 371:1-3
- Giang HTT, Nakamura S. 2009. The Study on Biological Characteristics of *Brontispa longissima* (Gestro) (Coleoptera: Chrysomelidae). *J. Sci. Dev.* :159-164

- Gressitt JL. 1960. Papuan-West Polynesian hispine beetles (Chrysomelidae). *Pacific Insects*. 2: 1-90
- Gressitt JL. 1963. Hispine beetles (Chrysomelidae) from New Guinea. *Pacific Insects*. 5: 591-714
- He LS, Ong KH, Yik CP, Fong YK, Chan HJA. 2006. Chemical control of hispid beetle (*Brontispa longissima*) on palms. *Singapore J Pri Ind*. 32: 80-92
- Hidayanti E. 2014. Cecopet (Chelisoches morio) *Sang Predator Hama Kelapa Brontispa longissima*. ditjenbun.pertanian.go.id/ [2 Nopember 2014]
- Hidayanti E, Rejeki T. 2014. Fluktuasi Serangan *B. longissima* pada Tanaman Kelapa Triwulan I tahun 2014 Di Propinsi Jawa Timur. Laporan tingkat serangan *B. longissima* wilayah kerja BBPPTP Surabaya triwulan I tahun 2014
- The logo of Universitas Andalas features a circular design. At the top, it says "UNIVERSITAS ANDALAS". Inside the circle, there is a green field with a yellow sunburst pattern. A red figure, possibly a deity or a person in traditional attire, stands on the left side of the sunburst. On the right side, there is a green tree-like shape. Below the sunburst, there is some smaller text and a decorative border.
- Hosang MLA, Sabbatoellah S, Tumewan F, Alouw JC. 1996. Musuh alami *Brontispa longissima* Gestro. *Prosiding Seminar Regional Hasil-Hasil Penelitian Kelapa dan Palma Lain*. 1: 30-39
- Hosang MLA, Alouw JC, Novarianto H. 2006. Current status and future research of Chrysomelid beetles with the emphasis on *Brontispa longissima* (Gestro) in Indonesia. RAP Publication (FAO). 29: 39-52.
- Howard FW, Moore D, Giblin-Darwis RM, Abad RG. 2000. Insects on palms. Wallingford: CABI Publishing
- Howard FW, Moore D, Giblin-Davis RM, Abad RG. 2001. *Insects on Palms*. Wallingford : CABI Publishing
- Hu LX, Chi H, Zhang J, Zhou Q, Zhang RJ. 2010. Life table analysis of the performance *Nilaparvata lugens* Stal, (Hemiptera: Delphacidae) on two wild rice species. *J. Econ. Entomology*. 103(5):1628-1635
- Ichiki RT, Dung DT, Takano S, Nakamura S. 2009. Artificial diets for rearing the coconut hispine beetle *Brontispa longissima* and its parasitoid *Asecodes hispinarum*. *J. Appl. Entomol*. 133: 539-545
- Jin T, Lin YY, Jin QA, Hai BW, Peng ZQ. 2012. Two sex life table of *Brontispa longissima* Gestro (Coleoptera: Chrysomelidae) feeding on four palm plant varieties. *Journal Environment Entomology*. 41(5): 1208-1214
- Kalshoven LGE. 1981. *Pest of Crops in Indonesia*. Jakarta : PT. Ichtiar Baru-Van Hoeve
- Kilmaskossu STEM, Nero-Kouw JP. 1993. Inventory of Forest Damage at Faperta Uncen Experiment Gardens in Manokwari Irian Jaya Indonesia.

Proceedings of Symposium on Biotechnological and Environmental Approaches to Forest and Disease Management.

Krebs CJ. 1985. *Ecology: The Experimental Analysis of Distribution and Abundance. Third edition.* New York: Harper Collins.

Kurniawan HA. 2007. Neraca kehidupan kutu kebul, *Bemisa tabaci* Gennadius (Hemiptera : Aleyrodidae) Biotipe-B dan Non-B pada tanaman mentimun (*Curcumas sativus* L.) dan cabai (*Capsicum annum* L.) Tesis. Bogor : Sekolah Pascasarjana Institut Pertanian Bogor.

Kusmiati S. 2012. Teknis Pengamatan OPT. <http://pamlithutbunkng/2012/teknis-pengamatan-opt.html>. [11 Juni 2014]

Kwan C. 2013. Coconut leaf beetle (*Brontispa longissima*-Pest Alert& *Brontispa chalybeipennis*-in Hawaii. (<http://alohaarborist.com/index.php/pest-of-the-month-January-2013-coconut-leaf-beetle-Brontispa-longissima-pest-alert-Brontispa-chalybeipennis-in-Hawaii>) [2 Januari 2014]

Liebregts W, Chapman K. 2004. Impact and control of coconut hispine beetle, *Brontispa longissima* Gestro (Coleoptera: Chrysomelidae). Report of the expert consultation on coconut beetle outbreak in APPPC member countries.

Litbang 2012. Teknologi Pengendalian Hama *Brontispa longissima* pada Tanaman Kelapa. <http://new.litbang.deptan.go.id.pdf>. [1 September 2014]

Liu Y, Feng G, Yang L, Zhang J, Li H. 2011. Podophyllotoxin-derived insecticidal agents: Part XII- Evaluation of insecticidal activity of podophyllotoxin derivatives against *Brontispa longissima*. *Natural Products Research.* 25(16):1570-1576.

Loc NT, Chi VTB, Nhan NT, Thanh ND, Hong TTB, Hung PQ. 2004. Biocontrol potential of *Metarhizium anisopliae* against coconut beetle, *Brontispa longissima*. *Omonrice.* 12: 85-91

Lu B, Tang C, Peng Z, Salle JL, Wan F. 2008. Biological assessment in quarantine of *Asecodes hispinarum* Boucek (Hymenoptera: Eulophidae) as an imported biological control agent of *Brontispa longissima* (Gestro)(Coleoptera: Hispidae) in Hainan, China. *Biol. Control.* 45: 29-35.

Lubis AU, Darmosakoro, Edy SS. 1992. Kelapa (*Cocos nucifera* L.). Pusat Penelitian Perkebunan Marihat-Bandar Kuala. <http://www.worldcat.org/> [1 Januari 2014]

Lumentut N, Karindah S, Sulistyowati, L, Puspitarni RD. 2013. The demographic of *Brontispa longissima* of celebensis Gestro (Coleoptera) on mapanget tall

- coconut and brown dwarf coconut. *Journal of Agricultural and Veterinary Science*. 6: 33-37
- Mawan A, Amalia H. 2011. Statistika Demografi *Riptortus linearis* F. (Hemiptera:Alydidae) pada kacang Panjang (*Vigna sinensis* L.) *Jurnal Entomologi Indonesia*. 8: 8-16
- Mawikeree J, Lolong AA. 2006. Serangan hama kelapa (*Brontispa longissima*) di Kabupaten Parigi Moutong, Sulawesi Tengah. *WARTA Penelitian dan Pengembangan Tanaman Industri*. (12)2: 16-18
- Nakamura S, Konishi K, Takasu K, 2006. Invasion of coconut hispine beetle, *Brontispa longissima*: Current situation and control measures in Southeast Asia. In: Chiang MY, Ku TY (Eds.) International Workshop on the development of database (APASD) for biological invasion (Taichung, 18-22 September 2006).pp. 1-9. Taichung : Taiwan Agricultural Chemicals and Toxic Substance Research Institute
- Natawigena H. 1990. *Pengendalian Hama Terpadu (Integrated Pest Control)*. Bandung: Armico.
- National Bureau of Agriculturally Important Insects (NBAII). 2013. *Brontispa longissima* Gestro.[http://www.nbai.res.in/Featured\\_insects/pinvasives.php](http://www.nbai.res.in/Featured_insects/pinvasives.php) [17 Desember 2013]
- Pedigo LP, Rice ME. 2006. *Entomology and Pest Management*. New Jersey: Prentice Hall
- Pionar GO. 1990. *Taxonomy and biology of Steinernematidae and Heterorhabditidae*. In Gaugler R and Kaya HR (Eds.). *Entomopathogenic Nematodes in Biological Control*. Pp. 23-61. Boca Raton: CRC Press.
- Prajimpan W. 2007. Ecological Studies on the Coconut Hispine Beetle, *Brontispa longissima* Gestro (Coleoptera: Chrysomelidae) and Predatory Efficiency of *Chelisoches morio* Fabricius (Dermaptera: Chelisochidae). Tesis. Bangkok: Kasetsart University
- Price PW. 1984. *2<sup>nd</sup> Insect Ecology*. New York: John Wiley and Sons, Inc
- Price PW. 1997. *3<sup>rd</sup> Insect Ecology*. New York: John Wiley and Sons, Inc.
- Rejeki T, Hidayanti E. 2013. Perkembangan serangan *Brontispa longissima* pada tanaman kelapa triwulan II tahun 2013. Laporan tingkar serangan *B. longissima* wilayah kerja BBPPTP Surabaya triwulan II tahun 2013
- Rismansyah EA. 2014. Uji daya predasi *Chelisoches morio* terhadap kumbang janur kelapa *B. longissima* di laboratorium. Balai Proteksi Tanaman Perkebunan Pontianak

- Rockwood LL. 2006. *Introduction to Population Ecology*. Oxford: Blackwell Publishing
- Ross SL, Robert H, Charles A, June RP. 1982. *A Textbook of Entomology*. Singapore: John Wiley & Sons., Inc.
- Sambiran WJ, Allow JC, Hosang ML. 2012. Difusi Teknologi Pengendalian Hama Terpadu (PHT) *Brontispa longissima* Gestro (Coleoptera:Chrysomelidae) Melalui Sekolah Lapang Petani. *Bulletin Palma*. 13(2): 86-91
- Sankaran KV. 2013. Coconut leaf beetle, *Brontispa longissima* Gestro. Asia Pasific Forest Species Network. <http://www.fao.org/forestry/13374-0bba732bf9dfa85a4f0cd036b5a26f6d0.pdf> [ 17 Desember 2013]
- Schowalter TD. 2006. *2<sup>nd</sup> Edition Insect Ecology, An Ecosystem Approach*. London: Academic Press.
- Setyamidjaja D. 1989. *Bertanam Kelapa, Budidaya dan Pengolahan*. Yogyakarta: Kanisius
- Setyamidjaja D. 1989. *Bertanam Kelapa Hibrida*. Yogyakarta : Kanisius.
- Sihombing, M. 2009. Uji Parasitasi *Tetrastichus brontispae* (Hymenoptera:Chrysonelidae) Terhadap Kumbang Janur Kelapa *Brontispa longissima* (Coleoptera:Chrysomelidae) di Laboratorium. Skripsi. Universitas Sumatera Utara
- Singh SP, Rethinam P. 2005. Coconut Leaf Beetle *Brontispa longissima*. APCC Indonesia. <http://www.fao.org/docrep/010/ag117e/AG117E04.htm> [ 17 Desember 2013]
- Smith RL. 1990. *Ecology and Field Ecology*. New York: Harper Collins Publisher
- Soegianto A. 1994. *Ekologi Kuantitatif*. Surabaya ; Usaha Nasional.
- Statistik Pertanian. 2012. Potensi Kelapa di Sumatera Barat. Kementerian Pertanian Republik Indonesia.<http://www. regionalinvestment.bkpm.go.id> [17 Desember 2013]
- Subagyo VNO, Hidayat P. 2014. Neraca kehidupan kutu kebul *Bemisia tabaci* (Gennadius)(Hemiptera: Aleyrodidae) pada tanaman cabai dan gulma babadotan pada suhu 25<sup>0</sup> C dan 29<sup>0</sup> C. *Jurnal Entomologi Indonesia*. 11: 11-18
- Suhardiyono L. 1993. *Saluran Pemasaran, Konsep dan Strategi Analisa Kuantitatif*. Yogyakarta : BPFE-UGM.
- Supadi, Nurmanaf AR. 2006. Pemberdayaan petani kelapa dalam upaya peningkatan pendapatan. *Jurnal Litbang Pertanian*. 1:26

- Suryana A, Allorerung Z, Mahmud A, Wahyudi GS, Handono, Novarianto H, Luntungan HT. 2005. Prospek dan Arah Pengembangan Agribisnis Kelapa. Badan Penelitian dan Pengembangan Pertanian. Departemen Pertanian Jakarta.
- Syakir M. 2008. Kebijakan penelitian dan pengembangan kelapa di Indonesia. Prosiding Seminar Regional PHT Kelapa di Manado. *Puslitbangun*: 1-10
- Takano S, Takasu K, Ichiki RT, Fushimi T, Nakamura S. 2010. Induction of host-plant preference in *Brontispa longissima* (Gestro)(Coleoptera: Chrysomelidae). *Journal of Applied Entomology*. 135: 634-640.
- Takano S, Takasu K, Fushimi T, Ichiki RT , Nakamura S. 2012. Life history traits and damage potential of an invasive pest *Brontispa longissima* (Gestro) (Coleoptera: Chrysomelidae) on *Satakentia liukiuensis* (Hatus)(Arecales: Arecaceae). *Entomological Science*. 15: 238-245.
- Tarigans DD. 2004. *Sistem Usaha Tani Berbasis Kelapa*. Pusat Penelitian dan Pengembangan Perkebunan. <http://www.perkebunan.litbang.deptan.go.id>. [1 Desember 2014]
- Tarumingkeng RC. 1992. *Dinamika Pertumbuhan Populasi Serangga*. Bogor : Institut Pertanian Bogor
- Tarumingkeng RC. 1994. *Dinamika Populasi, Kajian ekologi kuantitatif*. Jakarta: Sinar Harapan dan Universitas Kristen Krida Wacana
- Tjoa TM. 1953. *Memberantas Hama-Hama Kelapa dan Kopra*. Jakarta : Noordhof Klolff
- Voegele JM. 1989. Biological control of *Brontispa longissima* in Western Samoa: An ecological and economic evaluation, Agriculture, ecosystem and environment. 27: 315-329.
- Warisno. 2003. *Budidaya Kelapa Genjah*. Yogyakarta: Kanisius
- Waterhouse DF. 1987. *Brontispa longissima* (Gestro). *Biological Control*. Melbourne : Inkata Press
- Wilson EO, Bossert WH. 1971. *A Primer of Population Biology*. Stanford : Sinaver Associates
- Winotai A., C. Sindhusake, and R. Morakote. 2007. Brief review on biological control of coconut hispine beetle *Brontispa longissima* in Thailand. In: Arancon RN, Jr. (ed.), Report of the APCC/FAORAP/APPPC consultative meeting on the IPM of *Brontispa longissima*. pp. 228–273. Bangkok: FAO

Wiratno, Rokhimaton. 2012. Patogenisitas nematoda *Heterorhabditis* sp. terhadap kumbang daun kelapa *Brontispa longissima* Gestro. *Jurnal Littri.* 18(4): 137-142

Wiseman BR. 1984. Type and mechanism of host plant resistance to insect attack. *Insect science and its application.* 6(3): 239-248

Wu Q, Liang GW, Zeng L, Lu YY. 2006. Host plants and natural enemies for coconut leaf beetle, *Brontispa longissima* in Shenzhen. *Chinese Bulletin of Entomology.* 43: 530-534

Yamashita A, Takasuka K. 2010. Suitability of potential host plants in Japan for immature development of coconut hispine beetle, *Brontispa longissima* (Gestro)(Coleoptera: Chrysomelidae). *Japan Agriculture Research Quarterly.* 44: 143-149

Zhong Y, Li H, Wen H, Jin Q, Penz Z. 2005. Effects of temperature on *Brontispa longissima* population growth. *Chinese Journal of Applied Ecology.* 16: 2369-2372

