

DAFTAR PUSTAKA

- Allwood, A.J. 1997. Biology and ecology: prerequisites for understanding and managing fruit flies (Diptera: Tephritidae). *In*: A.J. Allwood, R.A.I. Drew (Eds.). Management of Fruit Flies in the Pacific: A Regional Symposium. ACIAR Proc. No. 76. Australian Centre for International Agricultural Research, Canberra. 95–101.
- Allwood, A.J., A. Chinajariyawong, S. Kritsaneepaiboon, R.A.I. Drew, E.L. Hamacek, D.L. Hancock, C. Hengsawad, J.C. Jipanin, M. Jirasurat, C.K. Krong, C.T.S. Leong & S. Vijaysegaran. 1999. Host plant records for fruit flies (Diptera: Tephritidae) in Southeast Asia. *Raffles Bull. Zool.* 47(Supplement 7): 1-92.
- Aluja, M. 1994. Bionomics and management of *Anastrepha*. *Annu. Rev. Entomol.* 39 (1): 155-178.
- Aluja, M. & J. Rull. 2009. Managing pestiferous fruit flies (Diptera: Tephritidae) through environmental manipulation. *In*: M. Aluja, T.C. Leskey, C. Vincent (Eds.). Biorational Tree Fruit Pest Management. CABI. Oxfordshire, UK. 171-213.
- Aluja, M. & R.L. Mangan. 2008. Fruit fly (Diptera: Tephritidae) host status determination: critical conceptual, methodological, and regulatory considerations. *Annu. Rev. Entomol.* 53: 473-502.
- Astuti, N.K., S. Suputa, N.S. Putra & M. Indarwatmi. 2019. Gamma irradiation treatment of *Bactrocera dorsalis* Hendel (Diptera: Tephritidae) in snake fruit. *J. Perlindungan Tanam. Indones.* 23(2): 242-249.
- Atlas of Living Australia (ALA). 2019a. Tachiniscinae. <https://bie.ala.org.au/species/urn:lsid:biodiversity.org.au:afd.taxon:0d32abcc-1dc1-4fd8-9cef-7db21a8fd7e8#overview> (diakses 3 November 2019).
- Atlas of Living Australia (ALA). 2019b. Phytalmiinae. <https://bie.ala.org.au/species/urn:lsid:biodiversity.org.au:afd.taxon:b7426204-da18-49bf-841e-46eaafe85913#overview> (diakses 3 November 2019).
- Atlas of Living Australia (ALA). 2019c. Tephritinae. <https://bie.ala.org.au/species/urn:lsid:biodiversity.org.au:afd.taxon:709d444e-bdf0-4ce6-9a5d-7d126bef57e2> (diakses 3 November 2019).
- Atlas of Living Australia (ALA). 2019d. Trypetinae. <https://bie.ala.org.au/species/urn:lsid:biodiversity.org.au:afd.taxon:3e07ab58-a50b-4b27-8622-bfee4bc5866a> (diakses 3 November 2019).
- Atlas of Living Australia (ALA). 2019e. Dacinae. <https://bie.ala.org.au/species/urn:lsid:biodiversity.org.au:afd.taxon:92730aaa-1134-4b30-a048-ec057e9b44e3> (diakses 3 November 2019).
- Badan Karantina Pertanian Indonesia. 2014. Pedoman Sertifikasi Fitosanitari Buah Salak ke China. Kementerian Pertanian. Jakarta. 35p.
- Badan Pusat Statistik (BPS). 2018. Provinsi Daerah Istimewa Yogyakarta Dalam Angka. Badan Pusat Statistik. Daerah Istimewa Yogyakarta. 464p.

- Badan Pusat Statistik (BPS). 2019. Statistik Tanaman Buah-buahan dan Sayuran Tahunan Indonesia. Badan Pusat Statistik. Indonesia.
- Badan Pusat Statistik (BPS). 2020. Ekspor Komoditi Pertanian Berdasarkan Negara Tujuan, Subsektor: Hortikultura, Tahun 2019. Pusat Data dan Sistem Informasi Pertanian, Kementerian Pertanian. <http://database.pertanian.go.id/eksim2012/hasilekspornegaratujuan.php> (diakses 17 Juni 2020).
- Badan Pusat Statistik (BPS) & Direktorat Perlindungan Hortikultura. 2020. Luas Panen Buah-buahan di Indonesia, Tahun 2015-2019. Kementerian Pertanian. <https://www.pertanian.go.id/home/index.php?show=repo&fileNum=319> (diakses 17 Juni 2020).
- Bateman, M.A. 1972. The ecology of fruit flies. *Annu. Rev. Entomol.* 17 (1): 493-518.
- Bernays, E.A. & R.E. Chapman. 1994. Patterns of host-plant use. *In*: E.A. Bernays & R.E. Chapman (Eds.). *Host-Plant Selection of Phytophagous Insects*. Chapman and Hall GmbH, New York. 4-13.
- Bess, H.A. & F.H. Haramoto. 1961. Contributions to the biology and ecology of the Oriental fruit fly, *Dacus dorsalis* Hendel (Diptera: Tephritidae), in Hawaii. *Hawaii Agr. Exp. Sta. Tech. Bull.* 44. 30p
- CABI. 2019a. *Bactrocera correcta* (guava fruit fly) *In*: Invasive Species Compendium. Wallingford, UK: CAB International. www.cabi.org/isc (diakses 5 November 2019).
- CABI. 2019b. *Bactrocera dorsalis* (Oriental fruit fly) [original text by Luc Leblanc] *In*: Invasive Species Compendium. Wallingford, UK: CAB International. www.cabi.org/isc (diakses 5 November 2019).
- CABI. 2019c. *Rhagoletis pomonella* (apple maggot) [original text by Dietmar Schwarz]. *In*: Invasive Species Compendium. Wallingford, UK: CAB International. www.cabi.org/isc (diakses 5 November 2019).
- CABI. 2019d. *Ceratitis capitata* (Mediterranean fruit fly) [original text by Chris Weldon]. *In*: Invasive Species Compendium. Wallingford, UK: CAB International. www.cabi.org/isc (diakses 5 November 2019).
- CABI. 2019e. *Syzygium cumini* (black plum) [original text by Nick Pasiecznik]. *In*: Invasive Species Compendium. Wallingford, UK: CAB International. www.cabi.org/isc (diakses 27 April 2020).
- CABI. 2019f. *Malpighia emarginata*. *In*: Invasive Species Compendium. Wallingford, UK: CAB International. www.cabi.org/isc (diakses 27 April 2020).
- CABI. 2020. *Bactrocera carambolae* (carambola fruit fly). *In*: Invasive Species Compendium. Wallingford, UK: CAB International. www.cabi.org/isc (diakses 4 Juni 2020).

- Clarke, A.R. 2017. Why so many polyphagous fruit flies (Diptera: Tephritidae)? A further contribution to the 'generalism' debate. *Biol. J. Linn. Soc.* 120(2): 245-257.
- Clarke, A.R. 2019. *Biology and Management of Bactrocera and Related Fruit Flies*. CABI. 269p.
- Chen, X.L., X.J. Wang & C.D. Zhu. 2013. New species and records of Trypetinae (Diptera: Tephritidae) from China. *Zootaxa*. 3710 (4): 333-353.
- Christenson, L. D. & R. H. Foote. 1960. Biology of Fruit Flies. *Annu. Rev. Entomol.* 5: 171-192.
- Cranston, P.S. & P.J. Gullan. 2009. Phylogeny of insects. *In*: R. T. Cardé, V. H. Resh (Eds.). *Encyclopedia of Insects*. Academic Press. 780-793.
- David, K.J. & D.L. Hancock. 2013. The first record of *Ortalotrypeta isshikii* (Matsumura) and subfamily Tachiniscinae (Diptera: Tephritidae) from India, with redescription of the species. *Aust. Entomol.* 40 (3): 131-135.
- David, K.J., S.K. Singh & S. Ramani. 2014. New species and records of Trypetinae (Diptera: Tephritidae) from India. *Zootaxa*. 3795 (2): 126-134.
- Direktorat Perlindungan Hortikultura. 2020. Data Luas Kumulatif Serangan OPT Salak Tahun 2018. Direktorat Perlindungan Tanaman Hortikultura. <http://ditlin.hortikultura.pertanian.go.id/index.php/page/index/DataLuas-Kumulatif-Serangan-OPT-Salak-Tahun-2018> (diakses 18 Juni 2020).
- Doorendeerd, C., L. Leblanc, A.L. Norrbom, M. San Jose & D. Rubinoff. 2018. A global checklist of the 932 fruit fly species in the tribe Dacini (Diptera, Tephritidae). *ZooKeys*. 730: 17-54.
- Drew, R.A.I. 2004. Biogeography and speciation in the Dacini (Diptera: Tephritidae: Dacinae). *Bish. Museum Bull. Entomol.* 12: 165-178.
- Drew, R.A. & D.L. Hancock. 1994. The *Bactrocera dorsalis* complex of fruit flies (Diptera: Tephritidae: Dacinae) in Asia. *Bull. Entomol. Res. Suppl. Ser.* 2: 1-68.
- Drew, R.A.I. & D.L. Hancock. 2016. A review of the subgenus 'Bulladacus' Drew and Hancock of 'Bactrocera' Macquart (Diptera: Tephritidae: Dacinae), with description of two new species from Papua New Guinea. *Aust. Entomol.* 43(4): 189-210.
- Drew, R.A.I. & M.C. Romig. 2013. *Tropical Fruit Flies (Tephritidae: Dacinae) of South-East Asia: Indomalaya to North-West Australasia*. CAB International, Wallingford. 653p.
- EPPO. 2019. EPPO Report on Notifications of Non-Compliance (RS 2019/225). EPPO Reporting Service No. 11. <https://gd.eppo.int/media/data/reporting/rs-2019-11-en.pdf> (diakses 23 Juni 2020).

- EPPO. 2020. *Bactrocera dorsalis* (DACUDO). EPPO Global Database. <https://gd.eppo.int/taxon/DACUDO> (diakses 27 April 2020).
- Epsky, N.D., P.E. Kendra & E. Q. Schnell. 2014. History and development of food-based attractants. *In*: T.E. Shelly, N. Epsky, E.B. Jang, J. Reyes-Flores, R.I. Vargas (Eds.). Trapping and The Detection, Control, and Regulation of Tephritid Fruit Flies. Springer, Dordrecht. 75-118.
- Fahrig, L., J. Baudry, L. Brotons, F.G. Burel, T.O. Crist, R.J. Fuller, C. Sirami, G.M. Siriwardena & J.L. Martin. 2011. Functional landscape heterogeneity and animal biodiversity in agricultural landscapes. *Ecol. Lett.* 14(2): 101-112.
- FAO. 2020. FAOSTAT Database. Rome, Italy: FAO. <http://www.fao.org/faostat/en/#data/TP> (diakses 3 Mei 2020).
- FAO/IPPC. 2012. Systems approach for pest risk management of fruit flies (Tephritidae). ISPM No. 35. IPPC. Rome, Italy.
- FAO/IPPC. 2015a. Establishment of areas of low pest prevalence for fruit flies (Tephritidae). ISPM No. 30. IPPC. Rome. Italy.
- FAO/IPPC. 2015b. Establishment of pest free areas for fruit flies (Tephritidae). ISPM No. 26. IPPC. Rome. Italy.
- Fay, H.A.C. 2010. Exploring structure-activity relationships in the phenylpropanoids to procure new male lures for non-responsive *Bactrocera* and *Dacus*. *In*: Proceedings of the 8th International Symposium on Fruit Flies of Economic Importance, 26 September-1 October 2010, Valencia, Spain. 270-280.
- Fay, H.A. 2012. A highly effective and selective male lure for *Bactrocera jarvisi* (Tryon) (Diptera: Tephritidae). *Aust. J. of Entomol.* 51(3): 189-197.
- Gnanvossou, D., R. Hanna, G. Goergen, D. Salifu, C.M. Tanga, S.A. Mohamed & S. Ekesi. 2017. Diversity and seasonal abundance of Tephritid fruit flies in three agro-ecosystems in Benin, West Africa. *J. Appl. Entomol.* 141(10): 798-809.
- Grewal, J.S. & C.V. Kapoor. 1984. Courtship and mating behaviour in the fruit fly *Dioxyna sororcula* (Wied.) (Diptera: Tephritidae). *Aust. J. Zool.* 32 (5): 671-676.
- Hancock, D.L., E.L. Hamacek, A.C. Lloyd & M.M. Elson-Harris. 2000. The distribution and host plants of fruit flies (Diptera: Tephritidae) in Australia. Queensland Department of Primary Industries, Queensland. 75p.
- Hancock, D.L. & R.A.I. Drew. 1994. Notes on some Pacific Island Trypetinae and Tephritinae (Diptera: Tephritidae). *Aust. Entomol.* 21 (1): 21-30.
- Hanelt, P., R. Buttner & R. Mansfeld. 2001. Mansfeld's Encyclopedia of Agricultural and Horticultural Crops: (Except Ornamentals) (Vol. 1). Springer Science & Business Media, Germany. 539 p.

- Harris, E.J., N.J. Liquido & C.Y.L. Lee. 2003. Patterns in appearance and fruit host utilization of fruit flies (Diptera: Tephritidae) on the Kalaupapa Peninsula, Molokai, Hawaii. *Proc. Hawaiian Entomol. Soc.* 36: 69-78.
- IAEA. 2018. Trapping guidelines for area-wide fruit fly programmes, Second edition, by Enkerlin, W.R. and Reyes- Flores, J. (eds). Rome, Italy. 65p.
- Jackson, C.G., J.P. Long & L.M. Klungness. 1998. Depth of pupation in four species of fruit flies (Diptera: Tephritidae) in sand with and without moisture. *J. Econ. Entomol.* 91 (1): 138-142.
- Jessup, A.J., B. Dominiak, B. Woods, C.P.F. De Lima, A. Tomkins & C.J. Smallridge. 2007. Area-wide management of fruit flies in Australia. *In: A. S. Robinson, M.J.B. Vreysen, J. Hendrichs (Eds.). Area-Wide Control of Insect Pests.* Springer, Dordrecht. 685-697.
- Krebs, C.J. 2014. *Ecology: The Experimental Analysis of Distribution and Abundance*, 6th ed. Benjamin Cummings, San Francisco. 653p.
- Lawson, A.E., D.J. McGuire, D.K. Yeates, R.A.I. Drew & A.R. Clarke. 2003. *Dorsalis: an interactive identification tool to fruit flies of the Bactrocera dorsalis complex.* CD-ROM Publication, Griffith University, Brisbane, Australia.
- Larasati, A., P. Hidayat & D. Buchori. 2013. Keanekaragaman dan persebaran lalat buah Tribe Dacini (Diptera: Tephritidae) di Kabupaten Bogor dan sekitarnya. *J. Entomol. Indones.* 10 (2): 51-59.
- Leblanc, L., E.T. Vueti & A.J. Allwood. 2013. Host plant records for fruit flies (Diptera: Tephritidae: Dacini) in the Pacific Islands: 2. Infestation statistics on economic hosts. *Proc. Hawaiian Entomol. Soc.* 45: 83-117.
- Leblanc, L., M.A. Hossain, C. Doorenweerd, S.A. Khan, M. Momen, M. San Jose & D. Rubinoff. 2019. Six years of fruit fly surveys in Bangladesh: a new species, 33 new country records and discovery of the highly invasive *Bactrocera carambolae* (Diptera, Tephritidae). *ZooKeys.* 876: 87.
- Linda, L., W. Witjaksono & S. Suputa. 2018. Species composition of fruit flies (Diptera: Tephritidae) in Sorong and Raja Ampat, West Papua. *J. Perlindungan Tanam. Indones.* 22 (2): 193-200.
- Lloyd, A.C., E.L. Hamacek, R.A. Kopittke, T. Peek, P.M. Wyatt, C.J. Neale, M. Elkema & H. Gu. 2010. Area-wide management of fruit flies (Diptera: Tephritidae) in the Central Burnett district of Queensland, Australia. *Crop Prot.* 29(5): 462-469.
- Magurran, A.E. 1988. *Ecological Diversity and Its Measurement.* Princeton University Press. New Jersey. 179p.
- Merritt, R.W., G.W. Courtney & J.B. Keiper. 2009. Diptera:(flies, mosquitoes, midges, gnats). *In: R. T. Cardé, V. H. Resh (Eds.). Encyclopedia of Insects.* Academic Press. 284-297.

- Montoya, P., S. Flores & J. Toledo. 2008. Effect of rainfall and soil moisture on survival of adults and immature stages of *Anastrepha ludens* and *A. obliqua* (Diptera: Tephritidae) under semi-field conditions. *Fla. Entomol.* 91 (4): 643-651.
- Muryati, M., A. Hasyim & W.J. de Kogel. 2007. Distribusi spesies lalat buah di Sumatera Barat dan Riau. *J. Hort.* 17 (1): 61-68.
- Mwatawala, M.W., M. De Meyer, R.H. Makundi & A.P. Maerere. 2006. Biodiversity of fruit flies (Diptera, Tephritidae) in orchards in different agro-ecological zones of the Morogoro region, Tanzania. *Fruits.* 61 (5): 321-332.
- Mwatawala, M.W., M. De Meyer, R.H. Makundi & A.P. Maerere. 2009. Host range and distribution of fruit-infesting pestiferous fruit flies (Diptera, Tephritidae) in selected areas of Central Tanzania. *Bull. Entomol. Res.* 99 (6): 629-641.
- Nismah & F.X. Susilo. 2008. Keanekaragaman dan kelimpahan lalat buah (Diptera: Tephritidae) pada beberapa sistem penggunaan lahan di Bukit Rgis, Sumberjaya, Lampung Barat. *J. Hama dan Penyakit Tumbuh. Trop.* 8 (2): 82-9.
- Nugnes, F., E. Russo, G. Viggiani & U. Bernardo. 2018. First record of an invasive fruit fly belonging to *Bactrocera dorsalis* complex (Diptera: Tephritidae) in Europe. *Insects.* 9 (4): 182.
- Odum, E.P. 1975. *Ecology, The Link Between The Natural and The Social Sciences*, 2nd ed. Holt, Rinehart & Winston. New York. 244p.
- Plant Health Australia. 2018. *The Australian Handbook for the Identification of Fruit Flies Version 3.1*. Plant Health Australia. Canberra. 158p.
- Pramudi, M.I., R.D. Puspitarini & B.T. Rahardjo. 2014. Keanekaragaman dan kekerabatan lalat buah (Diptera: Tephritidae) di Kalimantan Selatan berdasarkan karakter morfologi dan molekular (RAPD-PCR dan sekuensing DNA). *J. Hama dan Penyakit Tumbuh. Trop.* 13 (2): 192-202.
- Rodríguez-Rodríguez, S.E., H. González-Hernández, E. Rodríguez-Leyva, J.R. Lomelí-Flores & M.A. Miranda-Salcedo. 2018. Species diversity and population dynamics of fruit flies (Diptera: Tephritidae) in Guerrero, Mexico. *Fla. Entomol.* 101(1): 113-118.
- Royer, J.E. 2015. Responses of fruit flies (Tephritidae: Dacinae) to novel male attractants in North Queensland, Australia, and improved lures for some pest species. *Austral Entomol.* 54 (4): 411-426.
- Royer, J. E., C. Mille, S. Cazeres, J. Brinon & D. G. Mayer. 2019a. Isoeugenol, a more attractive male lure for the cue-lure-responsive pest fruit fly *Bactrocera curvipennis* (Diptera: Tephritidae: Dacinae), and new records of species responding to zingerone in New Caledonia. *J. Econ. Entomol.* 112 (3): 1502–1507.
- Royer, J. E., G. E. Teakle, E. Ahoafi & D. G. Mayer. 2019b. Methyl-isoeugenol, a significantly more attractive male lure for the methyl eugenol-responsive

Pacific fruit fly, *Bactrocera xanthodes* (Diptera: Tephritidae). Austral Entomol. 58(4): 800-804.

- Rwomushana, I. & C.M. Tanga. 2016. Fruit fly species composition, distribution and host plants with emphasis on mango-infesting species. *In*: S. Ekesi, S. Mohamed, M. De Meyer, Marc (Eds.). Fruit Fly Research and Development in Africa-Towards a Sustainable Management Strategy to Improve Horticulture. Springer, Cham. 71-106.
- Saputra, H.M., S. Sarinah & M. Hasanah. 2019. Kelimpahan dan dominansi lalat buah (Diptera: Tephritidae) pada pertanaman cabai (*Capsicum annuum* L.), di Desa Paya Benua, Bangka. Agrosainstek. 3 (1): 36-41.
- Schutze, M.K., N. Aketarawong, W. Amornsak, K.F. Armstrong, A.A. Augustinos, N. Barr, W. Bo, K. Bourtzis, L.M. Boykin, C. Caceres & S.L. Cameron. 2015. Synonymization of key pest species within the *Bactrocera dorsalis* species complex (Diptera: Tephritidae): taxonomic changes based on a review of 20 years of integrative morphological, molecular, cytogenetic, behavioural and chemoecological data. Syst. Entomol. 40(2): 456-471.
- Steiner, L.F. 1957. Low-cost plastic fruit fly trap. J. Econ. Entomol. 50 (4): 508-509.
- Suputa, Cahyaniati, A. Kustaryati, M. Railan, U.H. Issusilaningtyas & W.P. Mardiasih. 2006. Pedoman Identifikasi Lalat Buah Hama. Direktorat Jenderal Hortikultura. Jakarta. 49p.
- Suputa, Cahyaniati, A.T. Arminudin, A. Kustaryati, M. Railan & U.H. Issusilaningtyas, 2007. Pedoman Koleksi dan Preservasi Lalat Buah (Diptera: Tephritidae). Kementerian Pertanian, Indonesia. 32p.
- Suputa, S., Y.A. Trisyono, E. Martono & S.S. Siwi. 2010. Update on the host range of different species of fruit flies in Indonesia. J. Perlindungan Tanam. Indones. 16 (2): 62-75.
- Tan, K.H. & S.L. Lee. 1982. Species diversity and abundance of *Dacus* (Diptera: Tephritidae) in five ecosystems of Penang, West Malaysia. Bull. Entomol. Res. 72 (4): 709-716.
- Tan, K. H. & R. Nishida. 2000. Mutual reproductive benefits between a wild orchid, *Bulbophyllum patens*, and *Bactrocera* fruit flies via a floral synomone. J. Chem. Ecol. 26 (2): 533-546.
- Tan, K. H. & R. Nishida. 2007. Zingerone in the floral synomone of *Bulbophyllum baileyi* (Orchidaceae) attracts *Bactrocera* fruit flies during pollination. Biochem. Syst. Ecol. 35 (6): 334-341.
- Tan, K.H., R. Nishida, E.B. Jang & T.E. Shelly. 2014. Pheromones, male lures, and trapping of tephritid fruit flies. *In*: T.E. Shelly, N. Epsky, E.B. Jang, J. Reyes-Flores, R.I. Vargas (Eds.). Trapping and The Detection, Control, and Regulation of Tephritid Fruit Flies. Springer, Dordrecht. 15-74.

- Trimble, R.M. & P.M. Vickers. 2000. Evaluation of border sprays for managing the codling moth (Tortricidae: Lepidoptera) and the apple maggot (Tephritidae: Diptera) in Ontario apple orchards. J. Econ. Entomol. 93(3): 777-787.
- van Sauers-Muller, A. 1991. An overview of the Carambola fruit fly *Bactrocera* species (Diptera: Tephritidae), found recently in Suriname. Fla. Entomol. 74 (3): 432-440.
- Vargas, R.I., R.F.L. Mau & E.B. Jang. 2007. The Hawaii fruit fly area-wide pest management program accomplishments and future directions. Proc. Hawaiian Entomol. Soc. 39: 1-6.
- Vargas, R.I., J.C. Piñero & L. Leblanc. 2015. An overview of pest species of *Bactrocera* fruit flies (Diptera: Tephritidae) and the integration of biopesticides with other biological approaches for their management with a focus on the Pacific region. Insects. 6 (2): 297-318.
- Vayssières, J.F., H. Vannière, O. Barry, A.M. Hanne, S. Korie, A. Niassy, M. Ndiaye & G. Delhove. 2011. Preliminary inventory of fruit fly species (Diptera, Tephritidae) in mango orchards in the Niayes region, Senegal, in 2004. Fruits. 66 (2): 91-107.
- Wee, S.L., T. Peek & A.R. Clarke. 2018. The responsiveness of *Bactrocera jarvisi* (Diptera: Tephritidae) to two naturally occurring phenylbutanoids, zingerone and raspberry ketone. J. Insect Physiol. 109: 41-46.
- United States Department of Agriculture (USDA). 2018. Pest-Free Areas. https://www.aphis.usda.gov/import_export/plants/manuals/ports/downloads/DesignatedPestFreeAreas.pdf (diakses 5 November 2019).