

DAFTAR PUSTAKA

- Adiroubane, D. & S. Letchoumanane. 2000. *Mechanisms of resistance in rice, Oryza sativa L. against the brown planthopper, Nilaparavata lugens Stal. (Homoptera: Delphacidae)*. Journal Madras Agric, 87: 434-438.
- Ai, N.S. & Y. Banyo. 2011. *Konsentrasi klorofil daun sebagai indikator kekurangan air pada tanaman*. Jurnal Ilmiah Sains 11: 166-173.
- Anonim¹. 1994. *Pengenalan dan Pengendalian OPT Padi*. Direktorat Jenderal Tanaman Pangan dan Hortikultura Direktorat Bina Perlindungan Tanaman. Jakarta.
- Anonim². 1984. *Pestisida Untuk Pertanian dan Kehutanan*. Direktorat Perlindungan Tanaman. Jakarta.
- Anonim³. 2011. *Klorofil*. In: Ai, N.S. & Y. Banyo. 2011. *Konsentrasi klorofil daun sebagai indikator kekurangan air pada tanaman*. Jurnal Ilmiah Sains 11: 166-173.
- Baco, D. 1984. *Biologi Wereng (Nilaparvata lugens) Stal. dan Wereng Punggung Putih (Sagotella furcifera Horvath) Serta Interaksi Keduanya Pada Tanaman Padi*. Disertasi. Institute Pertanian Bogor. Bogor.
- Baehaki, S.E. 1986. *Atribut Populasi Wereng Zigzag (Recilia dorsalis) (Homoptera, Cicadellidae)*. Penelitian Pertanian, 5:1.
- Baehaki, S.E. 1987. *Koefisien Seleksi Berbagai Varietas Terhadap Wereng Cokelat Populasi IR42 (Deli Serdang)*. Seminar Balittan Sukamandi. 7p.
- Baehaki, S.E. 2008. *Perubahan Wereng Batang Cokelat Mencapai Biotipe 4 di Beberapa Daerah Sentra Produksi Padi*. Symposium PEI Cabang Bogor.
- Baehaki, S.E. 2009. *Strategi Pengendalian Hama Terpadu Tanaman Padi dalam Perspektif Praktek Pertanian yang Baik (Good Agricultural Practices)*. Pengembangan Inovatif Pertanian 2 (1): 65-78.
- Baehaki, S.E. & I.N. Widiarta. 2008. *Hama Wereng dan Cara Pengendaliannya*. Balai Besar Penelitian Padi. <www.puslitbang.deptan.go.id>. Diakses tanggal 12 September 2016.
- Baehaki, S.E. & N. Widiarta. 2009. *Hama Wereng dan Cara Pengendaliannya*. Balai Besar Penelitian Padi. Sukamandi.

- Bahagiawati, A.H., A.A.N.B. Kamandalu, & I.B. Suastika. 1987. *Pengaruh Tingkat Ketahanan Varietas Padi terhadap Biologi Wereng Batang Cokelat Biotipe 2*. Penelitian Pertanian.
- Bahri, S. 2010. *Klorofil*. In: Ai, N.S. & Y. Banyo. 2011. *Konsentrasi klorofil daun sebagai indikator kekurangan air pada tanaman*. Jurnal Ilmiah Sains 11: 166-173.
- Bao-kun, S., H. Jian-li, H. Chang-xing, & H. Mao-lin. 2014. *Interactive effects of elevated CO₂ and temperature on rice planthopper (Nilaparvata lugens)*. Journal of Integrative Agriculture 13: 1520-1529.
- BB Padi. 2007. *Deskripsi Varietas Padi*. Balai Besar Penelitian Tanaman Padi. Sukamandi, Subang.
- Beck. 1965. *Resistance of Plant to Insects*. Ann. Rev. Entomology Vol 10:207-232.
- Benyamin, L. 1994. *Dasar-Dasar Klimatologi*. PT. Raja Grafindo Persada. Jakarta.
- Bjorkman, O. 1981. *Responses to different quantum flux densities*. In: Lange, O.L. et al. (eds). *Encyclopedia of Plant Physiology*. New Series Vol. 12A. Physiological Plant Ecology I. Springer, Berlin, Heidelberg, New York. p. 57-107.
- CABI. 2000. *Crops Protection Compendium*. Global Modul 2nd Edition. CD ROM. London.
- Catinding, J.L.A., S.E. Baehaki, J.S. Bentur, L.Q. Cuong, M. Norowi, W. Rattanakarn, W. Sriratanasak, J. Xia, & Z. Lu. 2009. *Situation of planthoppers in Asia*, pp. 191-220. In K.L. Heong and B. Hardy(eds.), *Planthoppers: New Threats to the Sustainability of Intensive Rice Production System in Asia*. IRRI, Los Banos.
- Chandrashekar, S.C., & G.N. Gajanana. 1996. *Exploitation of (Chromolaema odonatan L.) king and robinson as green manure for paddy*. Proceeding of the Fourth International Workshop on Bio-Control and Management of *Chorolena odonatan*. Banglore. India.
- Chino, M., H. Hayashi, & T. Fukumorita. 1987. *The chemical composition of rice phloem sap and its suction*. Journal Plant Nutr. 10: 1651-1661.
- Chu, Y.I. & P.S. Yang. 1985. *Ecology of the Brown Planthopper Nilaparvata lugens Stal. During the Winter Season in Taiwan*. Department of Pathology and Entomology National Taiwan University. Pp. 23-34.
- Claridge, M.F. & J.D. Hollander. 1980. *Ent. Exp and Appl. Ned. Entomologi Ver.* Amsterdam 17: 23-30.

- Claridge, M.F., J.D. Hollander, & J.C. Morgan. 1985. *The status of weed-associated population of the brown planthopper, Nilaparvata lugens Stal – Host race of biological species*. Zool. Journal Linn Soc 84: 77-99.
- Derwanti, D. 2009. *Ekologi Tanaman*. Universitas Gadjah Mada, Yogyakarta.
- Direktorat Jenderal Tanaman Pangan (Dirjentan). 2010. *Pengendalian dan Antisipasi Dampak Serangan Wereng Batang Cokelat (WBC)*. Kementerian Pertanian, Jakarta.
- Direktorat Jenderal Tanaman Pangan (Dirjentan). 2011. *Pedoman Pelaksanaan Kegiatan Perlindungan Tanaman Pangan tahun 2011*. Kementerian Pertanian, Jakarta.
- Fagi & Las. 1989. In: Mahmud, Y. & S.S. Purnomo. 2014. *Keragaman agronomis beberapa varietas unggul baru tanaman padi Oryza sativa L. pada model pengelolaan tanaman terpadu*. Jurnal Ilmiah Social 1:1-10.
- Handoko. 1994. *Dasar Penyusunan Dan Aplikasi Model Simulasi Computer Untuk Pertanian*. Jurusan Geofisika dan Metereologi. FMIPA IPB. Bogor.
- Harahap, Z., T. Soewito, & Ida Hanarida. S. 1987. *Perbaikan ketahanan varietas padi terhadap wereng cokelat Nilaparvata lugens Stall*. In: *Wereng Cokelat*. Balai Penelitian Tanaman Pangan Bogor. Edisi Khusus (I): 1-15.
- Heddy. S. 1987. *Biologi Pertanian*. Gadjah Mada University Press. Yogyakarta.
- Heinrichs, E.A., F.G. Medrano, & H.R. Rapusas. 1985. *Genetic Evaluation For Insect Resistance In Rice*. Int. Rice Res. Inst., Los Banos, Philippines. 356 p
- Himawan, T. 1995. *Resistensi Serangga Hama Terhadap Insektisida Dan Upaya Penanggulangannya Risalah Seminar Regional Resistensi Serangga Terhadap Insektisida Dan Upaya Pengendaliannya*. Perhimpunan Entomologi Cabang Malang. Vita Ofset hal: 39-43.
- Hou & Lee, 1984 dalam Wahyuningsih, D. 2012. *Kajian Pengaruh Unsur Iklim Terhadap Fekunditas, Fertilitas, dan Luas Serangan Wereng Batang Cokelat Nilaparvata lugens Stal. di Sukoharjo*. Skripsi UNS. Surakarta.
- Ina, H. 2007. *Bercocok Tanam Padi*. Azka Mulia Media. Jakarta.
- Jennings, P.R., W.R. Coffman, & H.E. Kauffman. 1979. *Rice Improvement*. IRRI, Los Banos, Philippines.
- Kalshoven, L.G.E. 1980. *Pest of Crops in Indonesia*. Revised and Translated by P.A. Van der Laan. Ichtisar Baru-Van Hoe. Jakarta.

- Kalshoven, L.G.E. 1981. *Pest of Crops in Indonesia*. Revised and Translated by P.A. Van der Laan. Ichtar Baru-Van Hoeve. Terjemahan dari: De Plagen van de Cultuurgawassen in Indonesia. Jakarta.
- Killin, D. & S. Kawabe. 1983. *Analisis Gula Dalam Ekskreta Wereng Batang Cokelat (Nilaparvata lugens Stal.)*. Prosiding Kongres Entomologi II. Jakarta.
- Las, I. 2008. *Menyiasati Fenomena Anomali Iklim bagi Pemantapan Produksi Padi Nasional pada Era Revolusi Hijau Lestari*. Pengembangan Inovasi Pertanian. 1 (2): 83-104.
- Lastuvka, Z. 2009. *Climate Change And Its Possible Influence On The Occurrence And Importance Of Insect Pests*. Plant Protection Science 45: S53–S62.
- Lenisastri. 2000. *Penggunaan Metode Akumulasi Satuan Panas (Heat Unit) Sebagai Dasar Penelitian Umur Panen Sembilan Varietas Kacang Tanah (Arachis hypogaea L.)*. (Skripsi). Departemen Budidaya Pertanian. Fakultas Pertanian. Institut Pertanian Bogor. Bogor.
- Liu, Y., J. He, L. Jiang, H. Wu, Y. Xiao, Y. Liu, G. Li, Y. Du, C. Liu, & J. Wan. 2011. *Nitric oxide production is associated with responses to brown planthopper infestation in rice*. Journal of Plant Physiology 168: 739-745.
- Mahrub & Sukirno. 1976. *Biologi Nilaparvata lugens Stal dan Beberapa Musuh Alaminya*. Fakultas Pertanian Universitas Gadjah Mada. Yogyakarta.
- Makino, A., H. Nakano, & T. Mae. 1994. *Effects of growth temperature on the responses of ribulose-1.5-bisphosphate carboxylase, electron transport components, and sucrose synthesis enzymes to leaf nitrogen in rice, and their relationships to photosynthesis*. Journal Plant Physiology 105: 1231-1238.
- Marheni. 2004. *Kemampuan Beberapa Predator pada Pengendalian Wereng Batang Cokelat (Nilaparvata lugens Stall)*. Jurnal Natur. Vol. 6: 2.
- Mochida, O. 1977. *Taxonomy and biology of Nilaparvata lugens Stall*. (Homoptera: Delphacidae). 76p. In IRRI. Brown Planthopper Symposium, 18-22 April 1977. Los Banos, Philippines.
- Mochida, O. & T. Okada. 1979. *Taxonomy and biology of Nilaparvata lugens* (Homoptera: Delphacidae) pp 21-44. In: Brown Planthopper: Threat to rice production in Asia. International Rice Research Institute. Los Banos, Philippines.
- Mugnisjah, W.Q. & Setiawan, A. 1995. *Produksi Benih*. Penerbit Bumi Aksara Jakarta. bekerjasama dengan Pusat antar Universitas-Ilmu Hayat. Institut Pertanian Bogor. Bogor.

- Nurbaeti, B., I.G.P.A. Diratmaja & S. Putra. 2010. *Hama Wereng Cokelat (Nilaparvata lugens Stal.) dan Pengendaliannya*. Balai Pengkajian Teknologi Pertanian. Jawa Barat. Hlm. 4-29.
- Paguia, P., M.D. Pathak, & E.A. Heinrichs. 1980. *Honeydew excretion measurement techniques for determining differential feeding activity of biotypes of Nilaparvata lugens on rice varieties*. J. Econ. Entomol. 73: 35-40.
- Painter, R.H. 1951. *Insect resistance in crop plants*. Macmillan, N.Y. 520 pp.
- Pathak, M.D. 1975. *Insect Pest of Rice*. The International Rice Research Intitute. Los Banos, Philippines.
- Pathak, M.D. 1977. *Insect Pest of Rice*. The International Rice Research Institute. Los Banos, Philippines.
- Pathak, P.K. & E.A. Heinrichs. 1980. *IRRN*. IRRI. Manila, Philippines 5: 18-19.
- Qiu, H.M., J.C. Wu, G.Q. Yang, B. Dong, & D.H. Li. 2004. *Change in the uptake function of the riceroot to nitrogen, phosphorus, and potassium under brown planthopper Nilaparvata lugens (Stal) (Homoptera: Delphacidae) and pesticide stresses, and effect of pesticides on rice-gain filling in field*. Crop Prot 23:1041.
- Ratna, E.S., A. Kartoharjo & Rahmini. 2010. *Respon Morfo-Fisiologi Wereng Batang Cokelat Biotipe 1, 2, 3 terhadap 6 Varietas Padi Tahan dan 1 Varietas Rentan untuk Mendapatkan Varietas Durable Resistance*. Ringkasan Eksekutif Hasil-Hasil Penelitian. Kerjasama Kemitraan Penelitian Pertanian dengan Perguruan Tinggi (KKP3T). 2 hlm.
- Reflinaldon *et al.* 2007. dalam Wahyuningsih, D. 2012. *Kajian pengaruh unsur iklim terhadap fekunditas, fertilitas, dan luas serangan wereng batang cokelat (Nilaparvata lugens Stal.) di Sukoharjo*. Skripsi UNS, Surakarta.
- Richards, F.J. 1969. *The Quantitative Analysis of Growth*. In F.C. Steward (ed.) *Plant Physiology*: Volume VA, Academic Press. New York. p. 1-76.
- Rubia-Sanchez, E., Y. Suzuki, K. Arimura, K. Miyamoto, M. Matsumura, & T. Watanabe. 2003. *Comparing Nilaparvaya lugens (Stal) and Sogatella furcifera (Hovath) (Homoptera: Delphacidae) feeding effects on rice plant growth processes at the vegetative stage*. Crop Protect 22: 967-974.
- Sajaroh, A. 2010. *Analisis Kesesuaian Hama Wereng Batang Cokelat (Nilaparvata lugens Stal.) Terhadap Faktor Iklim Menggunakan Pemodelan Climex 3.0 (Studi Kasus Kabupaten Cilacap)*. Scientific Repository IPB, Bogor.

- Sakai & Sogawa dalam Chen, Y. 2009. *Variation in planthopper-rice interactions: possible interactions among three species?* In: Heong KL dan B Hardy. (eds.). *Planthoppers: New Threats to the Sustainability of Intensive Rice Production Systems in Asia*. International Rice Research Institute. Philippines.
- Salisbury, F.B. & C.W. Ross. 1992. *Plant Physiology*. 4rd Ed. Wadsworth Publishing Company. California.
- Sanchez, E.R., Y. Suzuki, K. Miyamoto, & T. Watanabe. 1999. *The potential for compensation of the effects of the brown planthopper Nilaparvata lugens (Stal) (Homoptera: Delphacidae) feeding on rice*. *Crop Prot* 19: 39-45.
- Shaw. 1995. dalam Derwanti, D. 2009. *Ekologi Tanaman*. Universitas Gadjah Mada, Yogyakarta.
- Siwi, S.S. 1971. *Biologi wereng cokelat Nilaparvata lugens Stal*. Makalah Departemen Pertanian. Lembaga Penelitian dan Pengembangan Pertanian. Bogor.
- Sogawa, K. & M.D. Pathak. 1970. *Appl. Ent. Zool* 5: 145-158.
- Sogawa, K. 1973. *Feeding behavior of the brown planthopper and brown planthopper resistance of Indian rice Mudgo*. Bull. No.4, Lab. Appl. Ent., Faculty Agric, Nagoya Univ., Chikusa Nagoya, Japan. 151 pp.
- Sogawa, K. 1982. *The rice brown planthopper: feeding physiology and host plant interactions*. *Ann. Rev. Entomol.* 27, 49-73.
- Suprihatno, B., A.A. Daradjat, Satoto, S.E. Baehaki, I.N. Widiarta, A. Setyono, S.D. Indrasari. O.S. Lesmana, & H. Sembiring. 2009. *Deskripsi Varietas Padi*. BBPT Padi, Subang.
- Sutarno, H., T. Uji, E. Rahman, Hartutiningsih, Subadri, L.A. Sukamto, N. Hidayati, D.S. Hajar, S. riswan, & Sudiby. 1997. *Pengenalan Pemberdayaan Pohon Hutan*. Prosea. Bogor.
- Suyamto, H. Pane, Suwarno, B. Kustianto, A.K. Makarim, H. Suharto, & H. Sembiring. 2007. *Pengelolaan tanaman terpadu (PTT) padi lahan rawa lebak*. Badan Penelitian dan Pengembangan Pertanian, Departemen Pertanian, Jakarta.
- Tirtowiryo, S., I. Sahi, & S. Ade. 1987. *Evaluasi Beberapa Galur Harapan Padi Pertanaman Cadangan Strategik Tahan Wereng Cokelat*. Balai Penelitian dan Pengembangan Pertanian, Balai Penelitian Tanaman Pangan Bogor. Bogor. Hal 18-25.

- Tjitrosoepomo, G. 1994. *Taksonomi Tumbuhan*. Gadjah Mada University Press. Yogyakarta.
- Untung, K. & A. Trisyono. 2010. *Wereng Batang Cokelat Mengancam Swasembada Beras*. <<http://faperta.ugm.ac.id>>. Diakses tanggal 12 September 2016.
- Vergara, B.S. 1990. *Bercocok Tanam Padi*. Proyek Prasarana Fisik. Bappenas. Jakarta.
- Vergara, B.S. 1995. *Bercocok Tanam Padi*. Departemen Pertanian, Jakarta.
- Wahyuningsih, D. 2012. *Kajian pengaruh unsur iklim terhadap fekunditas, fertilitas, dan luas serangan wereng batang cokelat (Nilaparvata lugens Stal.) di Sukoharjo*. Skripsi UNS, Surakarta.
- Watanabe, T. & H. Kitagawa. 2000. *Photosynthesis and translocation of assimilates in rice plants following phloem feeding by the planthopper Nilaparvata lugens (Homoptera: Delphacidae)*. Journal of Economic Entomology 93: 1192-1198.
- White, T.C.R. 1993. *The inadequate environment: nitrogen and the abundance of animals*. Springer, Berlin.
- Win, S.S., M. Rita, A.M.A. Zainal, & A.A. Nur. 2011. *Life table and population parameters of Nilaparvata lugens Stal. (Homoptera: Delphacidae) on rice*. Tropical Life Sciences Research 22: 27-39.
- Wirajaswadi. 2000. *dalam* Wahyuningsih, D. 2012. *Kajian pengaruh unsur iklim terhadap fekunditas, fertilitas, dan luas serangan wereng batang cokelat (Nilaparvata lugens Stal.) di Sukoharjo*. Skripsi UNS, Surakarta.
- Wu, J. C., Z. H. Qiu, J. L. Ying, B. Dong, & H. N. Gu. 2004. *Changes of zeatin riboside content in rice plants due to infestation by Nilaparvata lugens (Homoptera: Delphacidae)*. J. Econ. Entomol. 97: 1917-1922.
- Yoshihara, Y, Sogawa K, M.D. Pathak, B.O. Jiliano, & S. Sakamura. 1980. *Oxalic acid as a sucking inhibitor of the brown planhopper in rice (Delphacidae, Homoptera)*. Ent. Exp. & App. 27: 149- 155.
- Zahara, F. 2002. *Tanggap wereng batang cokelat Nilaparvata lugens Stall (Homoptera: Delphacidae) terhadap mikroba bio – tani di rumah kaca*. USU, Sumatera Utara.
- Zen, Khairul, I. Manti, D. Nasrun, & Taufik. 1994. *Perkembangan Populasi Wereng Cokelat Koloni Sumatera Barat pada Beberapa Varietas Unggul Padi Sawah*. Dalam : Risalah Seminar. Balai Penelitian Tanaman Pangan Sukarami. Sukarami. Vol IV : 29 –36.



- Zeng, X., L. Fu, W. Zhou, & W.Q. Wu. 2000. *Study on the biotypes of brown planthopper in Fujian Province*. In Mollah, M.L.R., M.A. Hossain, M.A. Samad, and M.F. Khatun. 2011. *Settling and Feeding Responses of Brown Planthopper to Five Rice Cultivars*. Journal Sustain Crop Productin 6: 10-13.
- Zhu, L., D. Gu, G. Zhang, J. You, L. Zhu, D. Gu, G.R. Zhang, & J.P. You. 2002. *Behavioral responses of brown planthopper and white-backed planthopper to BPH resistant rice varieties*. In Mollah, M.L.R., M.A. Hossain, M.A. Samad, & M.F. Khatun. 2011. *Settling and Feeding Responses of Brown Planthopper to Five Rice Cultivars*. Journal Sustain Crop Productin 6: 10-13