

## DAFTAR PUSTAKA

- [BPS] Badan Pusat Statistika. 2014. Rata-rata Konsumsi Kalori per Kapita Sehari Menurut Kelompok Makanan 1999, 2002-2013. <http://www.bps.go.id/>. Diakses 5 April 2018 .
- [GDA] General Directorate of Agriculture. 2014. Rice Grassy Stunt Virus. <https://www.plantwise.org/KnowledgeBank/FactsheetForFarmers.aspx?pan=20157800083>. Diakses pada 3 April 2018.
- [IRAC] Insecticide Resistance Action Committee. 2014. Mode of action classification. <http://www.irac-online.org/about/resistance/>. Diakses pada 1 April 2018.
- [IRRI] International Rice Research Institute. 2002. Standart Evaluation System of Rice (SES). INGER Genetic Resources Center. Manila.
- Anonim. 2012. Rice grassy stunt virus. <https://www.plantwise.org/KnowledgeBank/Datasheet.aspx?dsid=47614> . Diakses pada 3 April 2018.
- Baehaki, S. E. 2009. Strategi pengendalian hama terpadu tanaman padi dalam perspektif praktek pertanian yang baik (good agricultural practices). Pengembangan Inovasi Pertanian 2(1): 65-78.
- Baehaki, S. E. 2012. Perkembangan biotipe hama wereng coklat pada tanaman padi. IPTEK Tanaman Pangan 7(1): 8-17.
- Baehaki, S. E., I. Zulkarnain, A. B. Widawan, D. R. Vincent, T. Dupo, P. Gurulingappa. 2017. Baseline susceptibility of brown planthopper, *Nilaparvata lugens* (Stål) to mesoionic insecticide triflumezopyrim of some rice areas in West and Central Java of Indonesia. Scholars Journal of Agriculture and Veterinary Sciences (SJAVS) 4(12): 570-579.
- Baehaki, S.E., dan M.J. Mejaya. 2014. Wereng coklat sebagai hama global bernilai ekonomi tinggi dan strategi pengendaliannya. Iptek Tanaman Pangan 9(1):1-12.
- Bahagiawati, A. H. 2012. Kontribusi teknologi marka molekuler dalam pengendalian wereng coklat. Jurnal Pengembangan Inovasi Pertanian 5(1):1-18.
- Baptista, A. T., Damanhuri, dan N. Barunawati. 2018. Characterization and evaluation of appearance rice (*Oryza sativa* L.) local east timor and rice Indonesia. International Journal of Research – GRANTHAALAYAH 6(2): 120-130.
- Cabautan, P. Q., R. C. Cabunagan, & I. R. Choi. 2009. Rice viruses transmitted by the brown planthopper *Nilaparvata Lugen Stal*. International Rice Research Institute, Los Banos Philipines.
- Chen, C. C., M. J. Chen, R. J. Chiu, H. T. Hsu. 1997. Rice ragged stunt virus (*Oryzavirus*) Possesses an aouter shell and a-spikes. Plant Protection Bulletin 39: 383-388.

- Chen, Y. 2009. Variation in planthopper-rice interactions: possible interactions among three species. In Heong, K. L. dan B. Hardy. (Editor.). *Planthoppers: New Threats to the Sustainability of Intensive Rice Production Systems in Asia*. International Rice Research Institute, Philippines.
- Dini, A. F. B., I. W. Winasa, dan S. H. Hidayat. 2015. Identifikasi virus penyebab penyakit kerdil pada tanaman padi di Sukamandi, Jawa Barat. *Jurnal Fitopatologi Indonesia* 11(6): 205–210.
- Du, P. V., R. C. Cabunagan, P. Q. Cabauatan, H. S. Choi, I. R. Choi, H. V. Chie, N. H. Huan. 2007. Yellowing syndrome of rice: etiology, current status, and future challenges. *Omonrice* 15: 94-101.
- Dupo, A. L. B. and A. T. Barrion. 2009. Taxonomy and general biology of delphacid planthoppers in rice agroecosystems. In Heong, K. L. and B. Hardy(editors). *Planthoppers: New Threats to The sustainability of Intensive Rice Production Systems in Asia*. International Rice Research Institute. Los Baños, Philippines.
- Dyck, V. A. and B. Thomas. 1979. The brown planthopper problem. In: *Brown planthopper: threat to rice production in Asia*. International Rice Research Institute. Los Banos, Philippines.
- Heong, K. L. dan B. Hardy. 2009. *Planthoppers: new threats to the sustainability of intensive rice production systems in Asia*. International Rice Research Institute, Los Banos, Philippines.
- Heong, K. L., K. H. Tan, C. P. F. Garcia, L. T. Fabellar, Z. Lu. 2011. *Research methods in toxicology and insecticide resistance monitoring of rice planthopper*. International Rice Research Institute. Los Banos, Philipine.
- Herbert, D.A., & J.D. Harper, 1987. Food Consumption by *Heliothis zea* (Lepidoptera: Noctuidae) Larvae Intoxicated with a B–edotoxin of *Bacillus thuringiensis*. *Journal of Economic Entomology* 96: 1083–1090.
- Hibino, H. 1996. Biology and epidemiology of rice viruses. *Annual Review of Phytopathology* 34(1): 249-274.
- Kalshoven, L. G. E. 1981. *The Pest of Crops in Indonesia*. Laan PA van der, penerjemah. Jakarta (ID): Ictiar Baruvan Hoeve. Terjemahan dari: *De Plagen van de Cultuurgewassen in Infonesie*.
- Ling, K. C. 1972. *Rice virus diseases*. The IRRI. Los Ba Laguna, Philippine.
- Ling, K. C. 1977. Transmission of rice grassy stunt by the planthopper. In: *The rice brown planthopper*. Food and Fertilizer Technology Center for the Asian and Pacific Region. Taipei, Taiwan.
- Ling, K., E. Tiongco, dan V. Aguiro. 1978. Rice ragged stunt, a new virus disease. *Plant Disease Reporter* 62(8): 701–705.



- Liu, S.H, B.J. Yang, S. Liu, Z.P. Ding, Z.W. Liu, & J. Tang. 2012. Effects of Sublethal Dose of Imidacloprid and Pymetrozine on Relative Biological Fitness of Brown Planthopper, *Nilaparvata lugens*. Chinese Journal of Rice Science 26: 361–364.
- Liu, Z. & Z. Han. 2006. Fitness Costs of Laboratory Selected Imidacloprid Resistance in the Brown Planthopper, *Nilaparvata lugens* Stal. Pest Management Science 62: 279–282.
- Londingkene, J. A., Y. A. Trisyono, Witjaksono, & E. Martono. 2016. Relative fitness and feeding capacity of Imidacloprid resistant *Nilaparvata lugens*. Jurnal Perlindungan Tanaman Indonesia 20(1): 43–49.
- Matsumura, M., H. Takeuchi, M. Satoh, S. S. Morimura, A. Otuka, T. Watanabe, and D. V. Thanh. 2008. Species-specific insecticide resistance to imidacloprid and fipronil in the rice planthoppers *Nilaparvata lugens* and *Sogatella furcifera* in East and Southeast Asia. Pest Management Science 64(11): 1115-1121.
- Mattews, R. E. F. 1992. Fundamentals of Plant Virology. Academic Press, San Diego, USA.
- Mochida, O. dan T. Suryana. 1975. Outbreak of planthoppers and grassy stunt in Indonesia during wet and dry season 1974/75. International Rice Research Conference, Los Banos, Philippines.
- Myers, P., R. Espinosa, C. S. Parr, T. Jones, G. S. Hammond, and T. A. Dewey. 2018. The Animal Diversity Web (online). [https://animaldiversity.org/accounts/Nilaparvata\\_lugens/classification/](https://animaldiversity.org/accounts/Nilaparvata_lugens/classification/). Diakses pada 29 April 2018.
- Nurbaeti, B, I.G.P A. Diratmaja, dan S. Putra. 2010. Hama wereng coklat (*Nilaparvata lugens* Stal.) dan Pengendaliannya. Balai Pengkajian Teknologi Pertanian. Jawa Barat.
- Palmer, L. T. and Y. Soepriaman. 1977. Rice ragged stunt disease in Indonesia. International Rice Research Newsletrer 2 (5): 5-6.
- Praptana, R. H., Y. B. Sumardiyono, S. Hartono, Y. A. Trisyono. 2013. Patogenisitas Virus Tungro pada Varietas Tetua Padi Tahan Tungro. Jurnal Fitopatologi Indonesia 9(6): 186-192.
- Purnamaningsih, Ragapadmi. 2006. Induksi Kalus dan Optimasi Regenerasi Empat Varietas Padi melalui Kultur In Vitro. Jurnal AgroBiogen 2(2):74-80.
- Rahmawati, R., S. Sulandari, S. Hartono, 2015. Respons lima varietas padi terhadap infeksi virus penyebab penyakit kerdil rumput (Rice Grassy Stunt Virus). Pros Sem Nas Masy Biodiv Indon 1 (5): 1123-1126.
- Ramirez, B. C. dan A. L. Haenni. 1994. Molecular biology of tenuiviruses, a remarkable group of plant viruses. Journal of General Virology 75: 467-475.



- Reissig, W. H., E. A. Heinrich., J. A. Litsinger., K. Moody, L. Fiedler, T. W. Mew, and A. T. Barnion. 1986. Illustrated Guide to Integrated Pest Management in Rice in Tropical Asia. International Rice Research Institute. Los Banos.
- Sawada, H., G. S. W. Subroto, E. Suwardiwijaya, Mustaghrihin, A. Kusumayadi. 1992. Population dynamics of the brown planthopper in the coastal lowland of West Java, Indonesia. JARQ 26(2):88-97.
- Senboku, T., T. G. Gou, dan E. Szikara. 1980. Some physical properties of Rice ragged stunt virus. Annals of the Phytopathological Society of Japan 45(5): 735- 737.
- Shimizu, T., T. Ogamino, A. Hiraguri, E. Nakazono-Nagaoka, T. Uehara-Ichiki, M. Nakajima, K. Akutsu, T. Omura, and T. Sasaya . 2013. Strong resistance against Rice grassy stunt virus is induced in transgenic rice plants expressing double-stranded RNA of the viral genes for nucleocapsid or movement proteins as targets for RNA interference. The American Phytopathological Society 103 (5): 513-519.
- Sianipar, M. S., L. Djaya, E. Santosa, R. C. H. Soesilohadi, W. D. Natawigena, dan M. Ardiansyah. 2012. Populasi hama wereng batang coklat (*Nilaparvata Lugens* Stal.) dan keragaman serangga predatornya pada padi sawah lahan dataran tinggi di Desa Panyocokan, Kecamatan Ciwidey, Kabupaten Bandung. Jurnal Agrikultura 26 (2): 111-121.
- Sumardiyono, Y. B. 1999. Asosiasi virus tumbuhan dengan serangga vector dan implikasinya dengan pengendalian penyakit. Pidato Pengukuhan Guru Besar Fakultas Pertanian Universitas Gadjah Mada, 4 September 1999.
- Tantera, D. M. 1973. Recent progress in rice disease research in Indonesia. International Rice Research Conference, IRRI.
- Tantera, D. M., H. Satomi, and Roechan. 1973. Grassy stunt disease of rice in Indonesia. Institute for Agriculture. Bogor, Indonesia.
- Thippeswamy, S., Y. Chandramohan, B. Madhavalatha, K. Pravalika, Z. Samreen, K. Bhoomeshwar, G. Vinod, and E. Kalpana. 2014. Identification of rice (*Oryza sativa* L.) varieties for prevention of type II diabetes. International Journal of Current Research 6: 9123—9128.
- Tjahjadi, Nur. 1989. Hama dan Penyakit Tanaman. Kanisius, Yogyakarta.
- Tyagi, A. K., Khuran, J. P., Khurana, A. P., Raghubanshi, S., Gour, A., Kapur, A. and Sharma, S. 2004. Structural and functional analysis of rice genome. Journal of Genetics 83 (1): 79-99.
- Wang, Y.H, C.F. Gao, Y.H. Zhu, J. Chen, W.H. Li, Y.L. Zhuang, D.J. Dai, and W.J. Zhou. 2008. Imidacloprid susceptibility survey and selection risk assessment in field population of *Nilaparvata lugens* (Homoptera: Delphacidae). Journal of Economic Entomology 101(2): 515-522



- Wu, Z., J. Wu, S. Adkins, L. Xie, dan W. Li. 2010. Rice ragged stunt virus segment S6-encoded nonstructural protein Pns6 complements cell-to-cell movement of Tobacco mosaic virus-based chimeric virus. *Virus Research* **152**: 176–179.
- Xiong, Z. Y., S. J. Zhang, B. V. Ford-Lloyd, X. Jin, Y. Wu, H. X. Yan, P. Liu, X. Yang, and B. R. Lu. 2011. Latitudinal distribution and differentiation of rice germplasm: Its implication in breeding. *Crop Science* 51: 1050–58 .
- Xu, S., Z. Zhou, H. Lu, X. Luo, Y. Lan, Y. Zhang and Y. Li. 2014. Estimation of the age and amount of brown rice plant hoppers based on bionic electronic nose use. *Sensors* 14: 18114-18130.
- Yadaf, D. S., S. Chander, and K. Selvaraj. 2010. Agroecological zoning of brown planthopper [*Nilaparvata lugens* (Stal)] incidence on rice (*Oryza sativa* L.). *Journal of Scientific & Industrial Research* 69: 818-822.
- Zhang, J., D. Guo, Y. Chang, C. You, X. Li, X. Dai, Q. Weng, J. Zhang, G. Chen, X. Li, H. Liu, B. Han, Q. Zhang, dan C. Wu. 2007. Non-random distribution of T-DNA insertions at various levels of the genome hierarchy as revealed by analyzing 13 804 T-DNA flanking sequences from an enhancer-trap mutant library. *The Plant Journal* 49: 947–959.