

DAFTAR PUSTAKA

- Abduchalek, B. (2016). *Kutu Putih Singkong Phenacoccus manihoti Matile-Ferrero (Hemiptera: Pseudococcidae): Persebaran Geografi di Pulau Jawa dan Rintisan Pengendalian Hayati*. Institut Pertanian Bogor.
- Abduchalek, B., Rauf, A., & Pudjianto. (2017). Kutu Putih Singkong, *Phenacoccus Manihoti Matile-Ferrero* (Hemiptera: Pseudococcidae): Persebaran Geografi Di Pulau Jawa Dan Rintisan Pengendalian Hayati. *Jurnal Hama Dan Penyakit Tumbuhan Tropika*, 17(1), 1–8. <https://doi.org/10.23960/j.hptt.1171-8>
- Adriani, E. (2016). *Preferensi, Kesesuaian dan Parasitisme Anagyrus lopezi (De Santis) (Hymenoptera: Encyrtidae) Pada Berbagai Instar Kutu Putih Singkong, Phenacoccus manihoti Matile-Ferrero (Hemiptera: Pseudococcidae)*. Institut Pertanian Bogor.
- Adriani, E., Alang, & Darmawan, M. (2022). Persebaran Hama Kutu Putih Singkong (*Phenacoccus Manihoti Matile-Ferrero*) Berbasis Sistem Informasi Geografis Di Provinsi Gorontalo. *Jurnal Pertanian Berkelanjutan*, 10(1), 26–36.
- Akhidah, N., Dr. Ir. Bambang Supeno, M., & Ir. Meidiwarman, M. (2018). Karakterisasi Parasitoid Yang Barasosiasi Dengan hama Kutu Putih Ubi Kayu (*Phenacoccus manihoti*) di KLU. *Crop Agro*, 3(4), 1–20.
- Amarasekare, K. G., Mannion, C. M., & Epsky, N. D. (2009). Efficiency and establishment of three introduced parasitoids of the mealybug *Paracoccus marginatus* (Hemiptera: Pseudococcidae). *Biological Control*, 51(1), 91–95. <https://doi.org/10.1016/j.biocontrol.2009.07.005>
- Amarasekare, K. G., Mannion, C. M., Osborne, L. S., & Epsky, N. D. (2008). Life history of *Paracoccus marginatus* (Hemiptera: Pseudococcidae) on four host plant species under laboratory conditions. *Environmental Entomology*, 37(3), 630–635. [https://doi.org/10.1603/0046-225X\(2008\)37\[630:LHOPMH\]2.0.CO;2](https://doi.org/10.1603/0046-225X(2008)37[630:LHOPMH]2.0.CO;2)
- Arlis. (2016). Hubungan Karakteristik Petani Dengan Produksi Padi Sawah di Desa Rambah Tengah Barat Kecamatan Rambah Kabupaten Rokan Hulu. In *Universitas Pasir Pengaraian*.
- Awan, H. (2018). *Distribusi dan Karakteristik Hama Kutu Putih Ubi Kayu (Phenacoccus manihoti) Di Pulau Lombok [Skripsi]*. Universitas Mataram.
- Bellotti, A. . (2002). Biology, Production and Utilization. In R. . Hillocks, J. . Thresh, & A. . Bellotti (Eds.), *Cassava: Biology, Production and Utilization* (pp. 209–236). CABI.
- Bento, J. M. S., De Moraes, G. J., Bellotti, A. C., Castillo, J. A., Warumby, J. F., & Lapointe, S. L. (1999). Introduction of parasitoids for the control of the cassava mealybug *Phenacoccus herreni* (Hemiptera: Pseudococcidae) in north-eastern Brazil. *Bulletin of Entomological Research*, 89(5), 403–410. <https://doi.org/10.1017/s000748539900053x>
- Bertschy, C., Turlings, T. C. J., Bellotti, A., & Dorn, S. (2000). Host stage preference and sex allocation in *Aenasius vexans*, an encyrtid parasitoid of the cassava mealybug. *Entomologia Experimentalis et Applicata*, 95(3), 283–291. <https://doi.org/10.1046/j.1570-7458.2000.00667.x>

- Calatayud, P.-A., & Le Ru, B. (2006). *Interactions Cassava-Mealybug* (Issue October 2006). IRD Éditions.
- Campbell, N. A., Reece, J. B., & Mitchell, L. G. (2008). *Biologi Jilid 3* (Edisi Keli). Erlangga.
- Clarke, S. R., Negron, J. F., & Debarr, G. L. (1992). Effects of Four Pyrethroids on Scale Insect (Homoptera) Populations and Their Natural Enemies in Loblolly and Shortleaf Pine Seed Orchards. *Journal of Economic Entomology*, 85(4), 1246–1252. <https://doi.org/10.1093/jee/85.4.1246>
- Fanani, M. Z., Rauf, A., Maryana, N., Nurmansyah, A., & Hindayana, D. (2020). Parasitism of cassava mealybug by anagyrus lopezi: Effects of varying host and parasitoid densities. *Biodiversitas*, 21(10), 4973–4980. <https://doi.org/10.13057/biodiv/d211064>
- Godfray, H. C. J. (1994). *Parasitoids: Behavioral and Evolutionary Ecology*. Princeton University Press. <https://doi.org/https://doi.org/10.2307/j.ctvs32rmp>
- Herlina, Y., Chozin, M., & Romeida, A. (2019). Adopsi Petani Terhadap Teknologi Jajar Legowo Padi Sawah Di Kelurahan Rimbo Kedui Kecamatan Seluma Selatan Kabupaten Seluma. *Naturalis: Jurnal Penelitian Pengelolaan Sumber Daya Alam Dan Lingkungan*, 8(2), 109–117. <https://doi.org/10.31186/naturalis.8.2.9217>
- Joshi, S., Pai, S. G., Deepthy, K. B., Ballal, C. R., & Watson, G. W. (2020). The cassava mealybug, *Phenacoccus manihoti* Matile-Ferrero (Hemiptera: Coccothorax: Pseudococcidae) arrives in India. *Zootaxa*, 4772(1), 191–194. <https://doi.org/10.11646/zootaxa.4772.1.8>
- Karyani, R. D., Maryana, N., & Rauf, A. (2016). Pengujian kekhususan inang parasitoid *Anagyrus lopezi* (De Santis) (Hymenoptera: Encyrtidae) pada empat spesies kutu putih yang berasosiasi dengan tanaman singkong. *Jurnal Entomologi Indonesia*, 13(1), 30–39. <https://doi.org/10.5994/jei.13.1.30>
- Kementerian Pertanian. (2018). *Data Luas Panen Ubi Kayu Tahun 2014 - 2018*. [https://www.pertanian.go.id/Data5tahun/TPATAP-2017\(pdf\)/17-LPUBikayu.pdf](https://www.pertanian.go.id/Data5tahun/TPATAP-2017(pdf)/17-LPUBikayu.pdf) (diakses, 8 Agustus 2022)
- Kementerian Pertanian. (2021). *Ungkit Produktivitas Ubikayu Kementan Dorong Pengembangan Benih Bersertifikat*. Pangannews.id. <https://pangannews.id/berita/1640854264/ungkit-produktivitas-ubi-kayu-kementan-dorong-pengembangan-benih-bersertifikat>
- Löhr, B., Varela, A. M., & Santos, B. (1990). Exploration for natural enemies of the cassava mealybug, *Phenacoccus manihoti* (Homoptera: Pseudococcidae), in South America for the biological control of this introduced pest in Africa. *Bulletin of Entomological Research*, 80(4), 417–425. <https://doi.org/10.1017/S0007485300050677>
- Maharani, J. S., Rauf, A., & Maryana, N. (2019). Masa hidup imago, progeni, dan kemampuan parasitisasi *Anagyrus lopezi* (De Santis) (Hymenoptera: Encyrtidae), parasitoid kutu putih singkong. *Jurnal Entomologi Indonesia*, 16(3), 138–150. <https://doi.org/10.5994/jei.16.3.138>
- Mooney, K. A., Pratt, R. T., & Singer, M. S. (2012). The tri-trophic interactions hypothesis: Interactive effects of host plant quality, diet breadth and natural

enemies on herbivores. *PLoS ONE*, 7(4).
<https://doi.org/10.1371/JOURNAL.PONE.0034403>

- Muniappan, R., Shepard, B. M., Watson, G. W., Carner, G. R., Rauf, A., Sartiami, D., Hidayat, P., Afun, J. V. K., Goergen, G., & Rahman, A. K. M. Z. (2011). New records of invasive insects (Hemiptera: Sternorrhyncha) in Southeast Asia and West Africa. *Journal of Agricultural and Urban Entomology*, 26(4), 167–174. <https://doi.org/10.3954/1523-5475-26.4.167>
- Nadel, H., & Alphen, J. J. M. van. (1987). The role of host-and host-plant odours in the attraction of a parasitoid, *Epidinocarsis lopezi*, to the habitat of its host, the cassava mealybug, *Phenacoccus manihoti*. *Entomol. Exp. Appl.* 45, November 2019, 181–186. <https://doi.org/10.1111/j.1570-7458.1987.tb01079.x>
- Neuenschwander, P. (2001). Biological control of the cassava mealybug in Africa: A review. *Biological Control*, 21(3), 214–229. <https://doi.org/10.1006/bcon.2001.0937>
- Neuenschwander, P., Hammond, W. N. O., Gutierrez, A. P., Cudjoe, A. R., Adjakloe, R., Baumgärtner, J. U., & Regev, U. (1989). Impact assessment of the biological control of the cassava mealybug, *Phenacoccus manihoti* Matile-Ferrero (Hemiptera: Pseudococcidae), by the introduced parasitoid *Epidinocarsis lopezi* (De Santis) (Hymenoptera: Encyrtidae). *Bulletin of Entomological Research*, 79(4), 579–594. <https://doi.org/10.1017/S0007485300018733>
- Novia, R. A. (2011). Respon Petani Terhadap Kegiatan Sekolah Lapang. *Jurnal Ilmu-Ilmu Pertanian*, 7(2), 48–60.
- Nurhayati, A. (2012). *Kutu Putih Pepaya Dan Singkong (Hemiptera : Pseudococcidae) Di Wilayah Bogor*.
- Nurlena Andalia, J., Armi, M., & Ridwan. (2019). Pola Sebaran Tapak Dara (*Cataranthus Roseus*) di Lamno Aceh Jaya. *Serambi Konstruktivis*, 1(1), 82–87.
- Nurmasari, F. (2015). *Keanekaragaman Kutu Putih dan Musuh Alami pada Tanaman Singkong (Manihot esculenta Crantz)*. Universitas Jember.
- Nwanze, K. F. (1982). Relationships between cassava root yields and crop infestations by the mealybug, *phenacoccus manihoti*. *Tropical Pest Management*, 28(1), 27–32. <https://doi.org/10.1080/09670878209370669>
- Odum, E. P. (1994). *Dasar-dasar Ekologi* (Edisi Ket). Gadjah Mada University Press.
- Parsa, S., Kondo, T., & Winotai, A. (2012). The Cassava Mealybug (*Phenacoccus manihoti*) in Asia: First Records, Potential Distribution, and an Identification Key. *PLoS ONE*, 7(10). <https://doi.org/10.1371/journal.pone.0047675>
- Pijls, J. W. A. M., & Van Alphen, J. J. M. (1996). On the coexistence of the cassava mealybug parasitoids *Apoanagyrus diversicornis* and *A. lopezi* (hymenoptera: encyrtidae) in their native South America. *Bulletin of Entomological Research*, 86(1), 51–59. <https://doi.org/10.1017/s0007485300052196>
- Price, P. W., Bouton, C. E., Gross, P., McPheron, B. A., Thompson, J. N., & Weis, A. E. (1980). Interactions Among Three Trophic Levels: Influence of Plants on Interactions Between Insect Herbivores and Natural Enemies. *Annual Review of Ecology and Systematics*, 11(1), 41–65. <https://doi.org/10.1146/annurev.es.11.110180.000353>

- Price, P. W., Denno, R. F., Eubanks, M. D., Finke, D. L., & Kaplan, I. (2011). *Insect Ecology: Behavior, Populations and Communities*. Cambridge University Press, New York.
- Putri, A. H. (2018). *Populasi Hama dan Musuh Alami pada Beberapa Klon Ubi Kayu (Skripsi)*. Universitas Gadjah mada, Yogyakarta.
- Rahmawati, E. (2018). *Pola Penyebaran Spasial Populasi Tumbuhan Asing Invasif Lantana Camara L. di Kawasan Savana Pringtali Resort Bandialit Taman Nasional Meru Betiri*.
- Sagara, L. (1999). *Biology and behaviour of the parasitoid Anagyrus kamali Moursi (Hymenoptera: Encyrtidae)*. Mc Gill University.
- Sampathkumar, M., Mohan, M., Shylesha, A. N., Joshi, S., Venkatesan, T., Gupta, A., Vijayakumar, M., Subramanian, M., Yoganayagi, M., Ashika, T., & Bakthavatsalam, N. (2021). Occurrence of cassava mealybug , *Phenacoccus manihoti* Matile-Ferrero (Pseudococcidae : Hemiptera), a new invasive pest on cassava in India and prospects for its classical biological ... Occurrence of cassava mealybug , *Phenacoccus manihoti* Matile-Ferrer. *Current Science*, 120 (2), 432–435.
- Saputro, A. R. (2013). Biologi dan Potensi Peningkatan Populasi Kutu Putih Singkong, *Phenacoccus manihoti* Matile-Ferrero (Hemiptera: Pseudococcidae), Hama Pendatang Baru di Indonesia. In *Journal of Plant Protection*. Institut Pertanian bogor.
- Schulthess, F., Neuenschwander, P., & Gounou, S. (1997). Multi-trophic interactions in cassava, *Manihot esculenta*, cropping systems in the subhumid tropics of West Africa. *Agriculture, Ecosystems and Environment*, 66(3), 211–222. [https://doi.org/10.1016/S0167-8809\(97\)00095-9](https://doi.org/10.1016/S0167-8809(97)00095-9)
- Sugiyono. (2017). *Metode Penelitian Kuantitatif, Kualitatif, dan R&D*. CV. Alfabeta.
- Vet, L. E. M., & Dicke, M. (1992). Ecology of infochemical use by natural enemies in a tritrophic context. *Annual Review of Entomology*, 37(1), 141–172. <https://doi.org/10.1146/annurev.en.37.010192.001041>
- Wardani, N. (2010). *Phenacoccus manihoti* Matile-Ferrero (Hemiptera: Pseudococcidae), Mealybug Invasif Baru Di Indonesia. *Prosiding Seminar Nasional Sains Dan Inovasi Teknologi Pertanian*, 181–192.
- Wardani, N. (2015). *Kutu Putih Ubi Kayu, Phenacoccus manihoti* Matile-Ferrero (Hemiptera: Pseudococcidae), Hama Invasif Baru di Indonesia. Institut Pertanian Bogor.
- Wyckhuys, K. A. G., Rauf, A., & Ketelaar, J. (2014). Parasitoids introduced into Indonesia: part of a region-wide campaign to tackle emerging cassava pests and diseases. *Biocontrol News and Information*, 35(4), 35N–37N. <https://cgspace.cgiar.org/handle/10568/57006>
- Xu, C., Ling, Q., Qu, X., Chen, J., & Zhou, A. (2019). Ant – hemipteran association decreases parasitism of *Phenacoccus solenopsis* by endoparasitoid *Aenasius bambawalei*. *Ecological Entomology*, 1–10. <https://doi.org/10.1111/een.12797>
- Yudha, I. K. W., Supartha, I. W., & Susila, I. W. (2020). Karakteristik Morfologi dan Kelimpahan Populasi Parasitoid (Hymenoptera) pada Hama Invasif Kutu Putih

Ubi Kayu, *Phenacoccus manihoti* Matile-Ferreiro (Hemiptera: Pseudococcidae)
di Bali. *Agrotrop: Journal on Agriculture Science*, 10(2), 178–189.
<https://doi.org/10.24843/ajoas.2020.v10.i02.p07>