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DAFTAR PUSTAKA

Ahmed, W. 2024. Macro and micro morphological features of *Citrus reticulata* Blanco cultivated in eastern Libya. International Science and Technology Journal 34(1): 1-11

Bragard, C., K. Dehnen-Schmutz, F. Di Serio, P. Gonthier, M. A. Jacques, J. A. Jaques Miret, A. F. Justesen, C. S. Magnusson, P. Milonas, P. and J. A. Navas-Cortes. 2021. Pest categorisation of *Diaphorina citri*. EFSA Journal 19(1): 1-37

Bonani, J. P., A. Fereres, F. Garzo, M. P. Miranda, B. Appezzato-Da-Gloria, and J. R. S. Lopes. 2010. Characterization of electrical penetration graphs of the Asian citrus psyllid, *Diaphorina citri*, in sweet orange seedlings. Entomologia Experimentalis et Applicata 134(1): 35-49.

Badan Pusat Statistik. 2025. Produksi Tanaman Buah–Buahan dan Sayuran Tahunan Menurut Jenis Tanaman 2024. Diakses tanggal 27 Agustus 2025.

Calista I., W. Mikasari, Y. Sastro, M. Puspitasari, S. Suryani, M. Rambe, S. Yuliasari, K. Dinata, N. Nurmegawati, W. E. Putra, H. B. Astusti, M. Miswarti, L. Ivanti, E Fauzi. 2021. Teknologi Peningkatan Produksi Jeruk RGL Di Provinsi Bengkulu. Balai Pengkajian Teknologi Pertanian Bengkulu Badan Penelitian dan Pengembangan Pertanian Kementerian Pertanian. Bengkulu

Cen Y, C., P. Yang, G. A. Holford, R. N. Beattie, G. Spooner-Hart, X. Liang, X. Deng. 2012. Feeding behaviour of the Asiatic citrus psyllid, *Diaphorina citri*, on healthy and huanglongbing-infected citrus. Entomologia Experimentalis et Applicata 143: 13–22

Devy, N. F., and J. Jati. 2007. Perbanyakan 13 Jenis Batang Bawah Serta 5 Jenis Jeruk Asal Pasang Surut Secara *In Vitro*. Prosiding Seminar Nasional Jeruk 2007.

Ebert, T. A. and M. E. Rogers. 2016. Effect of substrate voltage on EPG recordings of ingestion and probing behavior in *Diaphorina citri* (Hemiptera: Liviidae). Florida Entomologist 99(3): 528-534.

Ebert, T. A., E. A. Backus, H. J. Shugart, and M. E. Rogers. 2018. Behavioral Plasticity in Probing by Diaphorina citri (Hemiptera, Liviidae): Ingestion from Phloem Versus Xylem is Influenced by Leaf Age and Surface. Journal of Insect Behavior, 31: 119 - 137.

EPPO. 2025. *Diaphorina citri* (DIAACI). Diakses tanggal 10 September 2025 https://gd.eppo.int/taxon/DIAACI/distribution

El-Shesheny, I., F. Hijaz, I. El-Hawary, I. Mesbah, and N. Killiny. 2016. Impact of different temperatures on survival and energy metabolism in the Asian citrus psyllid, *Diaphorina citri* Kuwayama. Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology 192: 28-36.

Gabrienda, G., Murtiningrum, F. and Oktoyoki, H., 2021. Analisis Pemasaran Jeruk Gerga Di Kecamatan Rimbo Pengadang Kabupaten Lebong. Jurnal Media Ekonomi (JURMEK) 26(1): 45-55

Geraci, A., A. Postiglione, F. Sgadari, R. Schicchi, N. Badalamenti, M. Bruno, A. Basile, M. Dentato, and V. Maresca. 2024. Essential oils obtained from Sicilian *Citrus reticulata* Blanco by-products: Antibacterial and allelopathic activity. Plants 13(24): 1-14

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Gunawan, I. M. A., I. G. A. D. Yuniti, and P. L. Y. Sapanca. 2024. Intensitas serangan dan persentase kerusakan tanaman jeruk terserang CVPD (*Citrus Vein Phloem Degeneration*) di Kabupaten Karangasem. Agrofarm: Jurnal Agroteknologi 3(1): 1-6.

George, J., R. Kanissery, M. Bashyal, B. Tamayo, and L. L. Stelinski. 2022. Survival and feeding behavior of *Diaphorina citri* (Hemiptera: Lliviidae) adults on common cover crops in citrus. Agriculture 12(12): 1-12.

Hall, D. G., M. L. Richardson, E. D. Ammar, and S. E. Halbert.2013. Asian citrus psyllid, D iaphorina citri, vector of citrus huanglongbing disease. Entomologia Experimentalis et Applicata 146(2): 207-223.

Hall, D. G., E. J. Wenninger, and M. G. Hentz. 2011. Temperature studies with the Asian citrus psyllid, *Diaphorina citri*: cold hardiness and temperature thresholds for oviposition. Journal of Insect Science, 11(1): 1-15

Hall, D. G., M. L. Richardson, E. D. Ammar, and S. E. Halbert. 2013. Asian citrus psyllid, *Diaphorina citri*, vector of citrus huanglongbing disease. Entomologia Experimentalis et Applicata, 146(2): 207-223.

Hosseinzadeh, S., J. M. Ramsey, L. Mann, W. B. Bennett, M. Hunter, M. Shams-Bakhsh, D. G. Hall, and M. Heck. 2019. Color morphology of *Diaphorina citri* influences interactions with its bacterial endosymbionts and '*Candidatus Liberibacter asiaticus*'. PLoS One 14(5): 1-19

Hamidah, H. 2019. Budidaya Jeruk Keprok Borneo Prima: Teori dan Praktik Menuju Agroprenuer. Penerbit Kaaffah Learning Center. Parepare

Jin, Y., W. Zhang, Y. Dong, and A. Xia. 2022. Feeding Behavior of *Riptortus Pedestris* (Fabricius) on Soybean: Electrical Penetration Graph Analysis and Histological Investigations. Insects 13(511): 1-12

Liu, X. Q., H. B. Jiang, Y. Liu, J. Y. Fan, Y. J. Ma, C. Y. Yuan, B. H. Lou, and J. J. Wang, 2020. Odorant binding protein 2 reduces imidacloprid susceptibility of *Diaphorina citri*. Pesticide Biochemistry and Physiology 168: 1-7

Liu, B., E. L. Preisser, D. Chu, H. Pan, W. Xie, S. Wang, Q. Wu, X. Zhou, and Y. Zhang. 2013. Multiple forms of vector manipulation by a plant-infecting virus: Bemisia tabaci and tomato yellow leaf curl virus. Journal of virology 87(9): 4929-4937.

Lopes, S. A. and J. C. Cifuentes-Arenas. 2021. Protocol for successful transmission of '*Candidatus liberibacter asiaticus*' from citrus to citrus using *Diaphorina citri*. Phytopathology 111(12): 2367-2374.

Meng, L., X. Cheng, C. Xia, and H. Zhang. 2022. Effect of host plants on development and reproduction of *Diaphorina citri* and their host preference. Entomologia Experimentalis et Applicata, 170(8): 700-707.

Mobarak, S. H., A. Basit, S. H. Gui, C. X. Hu, X. L. Yu, G. W. Felton, and T. X. Liu. 2025. Volatile organic compounds as mediators in plant-herbivore interactions: mechanisms and evolutionary consequences. Entomologia Generalis 45: 1:16

Navarro-Gochicoa, M. T., L. Aparicio-Durán, A. Delfín, C. J. Ceacero, M. B. Herrera-Rodríguez, F. J. Arenas-Arenas, J. J. Camacho-Cristóbal, A. González-Fontes, A., and J. Rexach. 2024. Characterization of Citrus Rootstock Under Conditions of Boron Toxicity. Agronomy 14(11): 1-13

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Nurhadi, N. 2015. Penyakit Huanglongbing Tanaman Jeruk (*Candidatus Liberibacter Asiaticus*): Ancaman Dan Strategi Pengendalian. Pengembangan Inovasi Pertanian, 8(1): 21-32

Sriarumtias, F. F., F. N. Nafisah, and D. Gozali. 2019. Formulasi Splash Mask Kulit Jeruk Keprok (*Citrus reticulata* Blanco.) serta Efeknya Sebagai Antioksidan. Jurnal Ilmiah Farmako Bahari 10(2): 205-218.

Souza, P. G. C., O. F. Aidoo, F. H. V. Araújo, R. S. Da-Silva, P. A. S. Júnior, P. K. B. Farnezi, M. C. Picanço, M. Sètamou, S. Ekesi, and C. Borgemeister. 2024. Modelling the potential distribution of the Asian citrus psyllid *Diaphorina citri* (Hemiptera: Liviidae) using CLIMEX. International Journal of Tropical Insect Science 44(2): 771-787.

Sétamou, M., Y. L. Soto, M. Tachin, and O. J. Alabi. 2023. Report on the first detection of Asian citrus psyllid *Diaphorina citri* Kuwayama (Hemiptera: Liviidae) in the Republic of Benin, West Africa. Scientific Reports 13(1): 1-9

Salsabillah, V., N. S. Putra, A. S. Aldawood, and A. Soffan. 2021. Increased probing activities of green peach aphid (GPA), Myzus persicae, on chitosan-treated caisim (Brassica juncea) monitored by electrical penetration graph (EPG). International Journal of Tropical Insect Science 41(4): 2805-2810.

Tardivo, C., J. Qureshi, K. D. Bowman, and U. Albrecht. 2023. Relative influence of rootstock and scion on asian citrus psyllid infestation and *Candidatus Liberibacter asiaticus c*olonization. HortScience 58(4): 395–403.

USDA. 2016. *Diaphorina citri*. Diakses 26 Agustus 2025. https://i5k.nal.usda.gov/Diaphorina_citri

USDA. 2025. Taxon: *Citrus reticulata*. Diakses tanggal 10 September 2025 https://acir.aphis.usda.gov › cird-taxon › citrus-reticulata

Wijaya I. N, M. Sritamin, M. M. Adnyana, W. Adiartayasa, I. G. Bagus. 2012. Pendidikan dan pelatihan pengendalian kutu loncat jeruk (Diaphorina citri Kuwayama) sebagai hama dan vektor penyakit CVPD di Desa Taro, Gianyar. Udayana Mengabdi. 11(2): 93-95.

Wu, G. A., J. Terol, V. Ibanez, A. López-García, E. Pérez-Román, C. Borredá, C. Domingo, F. R. Tadeo, J. Carbonell-Caballero, R. Alonso, and F. Curk. 2018. Genomics of the origin and evolution of *Citrus*. Nature, 554(7692): 311-316.

Wu, T., X. Luo, C. Xu, F. Wu, J. A. Qureshi, and Y. Cen. 2016. Feeding behavior of Diaphorina citri and its transmission of 'Candidatus Liberibacter asiaticus' to citrus. Entomologia Experimentalis et Applicata 161(2): 104-111.

Will, T., A. C. Furch, and M. R. Zimmermann. 2013. How phloem-feeding insects face the challenge of phloem-located defenses. Frontiers in plant science 4: 1-12

Walker, G. P., A. Fereres, and W. F. Tjallingii. 2024. Guidelines for conducting, analyzing, and interpreting electrical penetration graph (EPG) experiments on herbivorous piercing–sucking insects. Entomologia Experimentalis et Applicata 172(7): 564-580.

Wang, T., Z. Zheng, L. Deng, W. Li, Y. Yuan, M. Zhang, G. Sun, S. He, J. Wang, Z. Wang, and B. Xiong. 2023. Effect of Natural Variation and Rootstock on Fruit Quality and Volatile Organic Compounds of 'Kiyomi tangor' (Citrus

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reticulata Blanco) Citrus. International Journal of Molecular Sciences 24(23): 1-13

Wójcicka, A. (2015). Surface waxes as a plant defense barrier towards grain aphid. Acta Biologica Cracoviensia Series Botanica, 57(1): 95–103.

Yulianti, F., L. A. Adiredjo, L. Soetopo, and S. Ashari. (2020). Karakteristik anatomi akar dan batang tanaman jeruk batang bawah sebagai parameter penduga vigor tanaman jeruk keprok rimau gerga lebong (RGL). Jurnal Hortikultura Indonesia 11(3): 166–173.

Zhang, J., F. Xia, Y. Li, Y. Liu, F. Wu, X. Deng, and M. Xu. 2025. Metabolites induced by citrus tristeza virus and ‘Candidatus Liberibacter asiaticus’ influence the feeding behavior of Diaphorina citri: an electrical penetration graph and LC–MS/MS study. Phytopathology Research 7(1): 1-16