

ABSTRAK

KEANEKARAGAMAN SERANGGA PADA PERTANAMAN JERUK BW (*Citrus reticulata* Blanco) DI BALAI PELATIHAN PERTANIAN LAMPUNG MENGGUNAKAN METODE *YELLOW PLASTIC TRAP* DA *PITFALL TRAP*

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Dalam budidaya tanaman jeruk ditemukan Organisme Pengganggu Tanaman (OPT) dari berbagai jenis serangga yang ditemukan baik sebagai serangga hama, predator, dekomposer, pollinator, parasitoid, dan serangga herbivora. Penelitian ini dilaksanakan dibulan November dan Desember 2024 di Balai Pelatihan Pertanian Lampung. Penelitian ini menggunakan dua metode perangkap *yellow plastic trap* dan *pitfall trap* yang bertujuan untuk mengetahui keanekaragaman, komposisi, dan struktur serangga. Data yang diperoleh dianalisis secara deskriptif. Analisis data menggunakan indeks kelimpahan relatif, indeks keanekaragaman jenis, indeks dominasi dan indeks keseragaman jenis. Data yang diperoleh kemudian dianalisis menggunakan Ms.Excel 2019. Kelimpahan relatif pada kedua perangkap *yellow plastic trap* dan *pitfall trap* memiliki nilai 1. Hasil indeks keanekaragaman menggunakan *yellow plastic trap* dikategorikan sedang 2,560 dan Indeks Dominansi dikategorikan rendah 0,094. Serta Indeks Keseragaman dikategorikan tinggi 0,945. Sedangkan Indeks keanekaragaman menggunakan *pitfall trap* dikategorikan sedang 1,598 dan Indeks Dominansi dikategorikan rendah 0,243 serta Indeks Keseragaman dikategorikan tinggi 0,821. Perangkap *yellow plastic trap* lebih efektif menangkap serangga dari pada *pitfall trap*.

Kata Kunci: *Citrus reticulata*, Komposisi, Struktur, *Yellow plastic trap* dan *Pitfall trap*.

ABSTRACT

INSECT DIVERSITY IN BW CITRUS (*Citrus reticulata* Blanco) CITRUS FIELDS AT LAMPUNG AGRICULTURAL TRAINING CENTER USING *YELLOW PLASTIC TRAP AND PITFALL TRAP METHODS*

By

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In the cultivation of citrus plants, Crop Disturbing Organisms (CDO) are found from various types of insects found both as insect pests, predators, decomposers, pollinators, parasitoids, and herbivorous insects. This research was conducted in November and December 2024 at the Lampung Agricultural Training Center. This study used two methods of *yellow plastic trap* and *pitfall trap* which aims to determine the diversity, composition, and structure of insects. The data obtained were analyzed descriptively. Data analysis used relative abundance index, species diversity index, dominance index and species uniformity index. The data obtained were then analyzed using Ms.Excel 2019. The relative abundance in both yellow plastic traps and pitfall traps has a value of 1. The diversity index using yellow plastic traps is categorized as moderate 2.560 and the Dominance Index is categorized as low 0.094. And the Diversity Index is categorized as high 0.945. While the diversity index using pitfall traps is categorized as moderate 1.598 and the Dominance Index is categorized as low 0.243 and the Diversity Index is categorized as high 0.821. *Yellow plastic traps* effective at capturing insects than *pitfall traps*.

Keywords: *Citrus reticulata*, Composition, Structure, *Yellow plastic trap* and *Pitfall trap*.