



INTISARI

Tanaman padi merupakan salah satu komoditas penting di dunia. Wereng batang cokelat merupakan hama penting tanaman padi yang dapat menyebabkan kerugian besar. Tujuan dari penelitian ini untuk mengetahui ketertarikan wereng batang cokelat (*Nilaparvata lugens*) terhadap beberapa varietas padi. Varietas yang digunakan pada penelitian ini yaitu IR64, Ciherang, dan Inpari 33. Uji ketertarikan wereng batang cokelat terhadap tanaman padi menggunakan tabung perangkap senyawa volatil dihubungkan pada olfaktometer tabung Y. Masing-masing varietas diuji pada waktu pengambilan senyawa volatil siang dan malam hari dan dianalisis dengan T-Test. Hasil pengujian olfaktometer menunjukkan tingkat ketertarikan wereng batang cokelat pada ketiga varietas padi sama besarnya. Waktu pemanenan senyawa volatil pada siang dan malam hari tidak berpengaruh terhadap tingkat ketertarikan wereng batang cokelat. Ketiga varietas yang digunakan dalam penelitian memiliki ketahanan berbeda terhadap wereng batang cokelat namun tetap dapat menarik kedatangan wereng batang cokelat.

Kata kunci : ketertarikan, tanaman padi, varietas, wereng batang cokelat.



ABSTRACT

Rice plant is one of the world's prominent commodities. Brown planthopper is an important pest in rice plant that can cause big loses. The aim of this research was to know the attractiveness of the brown planthopper (*Nilaparvata lugens*) on several rice plant varieties. Attractiveness test on brown planthopper to the rice plant was done by connected volatile trap tubes to the Y tube olfactometer. Each variety was being tested when the volatile compound was taken at the day and night, then the results were analyzed by T-test. The results of the olfactometer test showed that the brown plant hopper interest toward these three rice plant varieties were more likely similar. Volatile compounds that were harvested during both daytime and nighttime didn't affect the level of brown planthopper's attraction. Each of the three varieties used in this research had different resistance against the brown planthopper, nevertheless still able to attract the brown plant hopper to keep coming.

Keywords : attractiveness, rice plant, variety, brown planthopper.