



## INTISARI

### **KETAHANAN LIMA GALUR HARAPAN PADI TERHADAP WERENG BATANG COKELAT**

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Penelitian ini bertujuan untuk mengetahui tingkat ketahanan lima galur padi harapan (GM 2, V12, GM 28, V11 dan GM 8) terhadap wereng batang coklat (*Nilaparvata lugens*). Penelitian dilakukan melalui dua metode yaitu uji pilihan dan uji tanpa pilihan. Pada uji pilihan digunakan *N. lugens* sebanyak 700 ekor di dalam kotak persemaian berisi lima galur harapan dan varietas kontrol, IR 64. Uji tanpa pilihan dirancang dengan Rancangan Acak Kelompok Lengkap (RAKL) yang berisi lima galur harapan dan satu varietas kontrol dengan lima ulangan. Pada uji ini digunakan lima puluh *N. lugens* untuk tiap galur harapan maupun varietas yang diuji. Parameter yang diamati yaitu jumlah *N. lugens* hidup dan mati serta skor kerusakan berdasarkan pada skoring ketahanan padi menurut IRRI. Hasil penelitian menunjukkan bahwa galur harapan GM 2, GM 8, GM 28 lebih tahan terhadap *N. lugens* daripada V11, V12 dan IR64.

**Kata kunci:** *N. lugens*; ketahanan; varietas padi; uji pilihan dan uji tanpa pilihan



## ABSTRACT

### RESISTANCE OF FIVE RICE PROMISING LINES TO THE BROWN PLANT HOPPER

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This study aimed to determine the level of resistance of five rice promising lines (GM 2, GM 8, GM 28, V11 dan V12) againsts the rice brown planthopper (*Nilaparvata lugens*). The experiments followed the design of choice and non choice test. *N. lugens* used for experiment was reared in IR64, which was used as a control variety. The number of *N. lugens* released in the choice test box was 700. In the non choice test, 50 *N. lugens* were released into each variety. Four parameters were observed in the choice test: total of *N. lugens* stayed on the plant, total of *N. lugens* alived, death rate of *N. lugens*, and damage score. There were three parameters observed in the non choice test: total of *N. lugens* stayed on the plant, total of *N. lugens* alived, and damage score. The results of the study showed that GM 2, GM 8 and GM 28 lines were resistant to *N. lugens*, while V12 and IR64 were moderately resistant, and V11 line was susceptible.

**Keywords :** *N. lugens*; resistance; rice variety; choice and non choice test