

# Perilaku peletakan telur walang sangit (*Leptocorisa oratorius* Fabricus) pada lahan padi Sumatera Barat

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## ABSTRACT

Rice bug (*Leptocorisa oratorius* Fabricus) is one potential pests in paddy crop. These pests can cause yield loss (quantity) and decreased grain quality. Mostly farmers use synthetic insecticides to control this insect excessively, but this way must be so many negative impact, especially to environment. Utilization of natural enemies such as egg parasitoids to an alternative control needs information about its host (the pest). The objective of this study was to determine the behaviors of laying eggs of rice bug pest at paddy land area in West Sumatera. Purposive random sampling method was used for the location sampling. The rice bug eggs samples were collected along the 1 km transect lines in rice fields. The criteria of rice paddy fields were milk stage and 3-5 ha crop areas. The data of number of eggs on a leaf was analyzed by The Completely Randomized Design method with Statistix 8. There are 10 areas with different altitudes and 20 replications. The descriptive method was used to the eggs location on leaf and eggs morphology. The results of research showed that the locations (altitudes) of paddy land have not influence to eggs laying. The mean of eggs laid is 11.7 per leaf. The eggs laid on the top surface of the leaf (75.5%). Rice bug eggs color was reddish black with size  $\pm$  0.5 cm and a flat bottom and rounded top.

Keywords : Rice bug, lay egg, behavior, altitude, *Leptocorisa oratorius*

## PENDAHULUAN

Walang sangit (*Leptocorisa oratorius* Fabricus) merupakan hama utama dan potensial tanaman padi (Kalshoven, 1981; Riyanto *et al*, 2011; Rosita, 2005) yang merusak bulir pada stadia matang susu (pemasakan). Hama ini merusak dengan cara mengisap cairan bulir padi sehingga menyebabkan bulir padi menjadi hampa atau pengisiannya tidak sempurna. Beras yang dihasilkan akan berkurang bobot dan penampilannyapun menjadi tidak menarik (*grain discoloration*). Serangan hama ini pada pertanaman padi mempengaruhi kualitas maupun kuantitas beras yang dihasilkan (Jahn *et al*, 2004; Putut, 2010; Torres *et al*, 2010). Serangan walang sangit 5 ekor per 9 rumpun padi (1 m<sup>2</sup>) menurunkan hasil hingga 15%. Satu ekor walang sangit per malai dalam satu minggu bisa menurunkan hasil 27% (Suharto dan