



RESPONSE OF SOME TEAK CLONES TO TEAK DEFOLIATOR *Hyblaea puera* Cramer

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ABSTRACT

Teak, defoliator, *H. puera* is one of the most destructive pests of teak plantation, feeding on the leaves during the early of rainy season, soon after flushing. Clone selection to produce high quality teak plantation has been done in Indonesia. However, information on teak clones which is resistant to teak defoliator is not available.

The research was aimed at studying the degree of teak defoliation by *H. puera* in teak clone bank, feeding activity, food preference and the growth of larvae offered with the leaves of some teak clones. Research on the degree of defoliation was done by observing intensity of *H. puera* attack on twenty teak clones in Cepu clone bank. Experiment on feeding activity, food preference and the growth of *H. puera* larvae were done in Teak Center in Cepu. Larvae of *H. puera* were fed with fresh leaves of some teak clones. Consumption rate and the growth of *H. puera* were determined.

The teak clones showed different response to the attack of teak defoliator in clone bank. The highest defoliation was found on clones number 13 and 20. Consumption rate of larvae offered with the leaves of clones number 13 and 20 was the highest and it indicated clones number 13 and 20 were the most preferred. The larvae fed with leaves of clone number 13 had the highest growth rate.

Key word : Respons, Teak, *H. puera*

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