

POLA SERANGAN ULAT DAUN JATI (*Hyblaea puera* Cr.) PADA TANAMAN JATI (*Tectona grandis* L.f.) DI KEBUN KLON

Abstract

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Teak defoliator (*Hyblaea puera* Cr.) has been known for long time attacking teak forest causing leaf defoliation for several month during early rainy season. Clone selection has so far been developed to increase the productivity of teak forest in Indonesia. The experiment aimed to evaluate the response of clones to teak defoliator.

The response of clones to teak defoliator was evaluated based on the basic pattern of attack, started from one individu of clone or more. Initial response was determined based on clones showing first attack which developed as centre of attack. Further response was evaluated based on clones growing on the subsequent rows surrounding the centre of attack.

The patterns of attack of teak defoliator initiating from a centre attack were found mainly on clone plantation growing at random based. The centre of attack might consisted of one individual clone or more clone and developed through the surrounding clones. In plantation of row designed, the pattern of attack tends to concentrate on the row of same clone. The results also showed that clones responded differently to defoliator attack. The most responsive clones in clonal seed orchard in Cepu were clones number 13 and 20, and the less responsive clones were clones number 3, 4 and 18. Clones number 27 and 28 were lack of responsiveness at Petung Clone Bank, and clones number 150, 151, 159, and 160 were lack of responsiveness at Kendal Clone Bank.

Keyword : Teak, Clone, Teak defoliator.

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