

The Effectiveness of The Use of Shade to The Growth of Plants Kecombrang (*Etlingera elatior* Jack)

Nanik Maryana ¹, Eko Setiawan ², Achmad Djunaedy ²

¹Student of Agrotechnology Study Program, Faculty of Agriculture, UTM

²Agrotechnology Departement, Faculty of Agriculture, UTM

ABSTRACT

*The study was conducted to determine the effectiveness of shade use on the growth of kecombrang plants (*Etlingera elatior* Jack). Research conducted at the Agrotechnology's experiment station, Faculty of Agriculture, University of Trunojoyo Madura located in the Telang Village Subdistrict of Kamal, Bangkalan, Madura with altitude of ± 5 meters above sea level. The study was conducted in December 2016 - April 2017. The environmental design used was a randomized block design (RAK) which was arranged non factorial with 3 treatments. Each treatment is N0 (without shade/control), N1 (shade 65%), and N2 (shade 75%). The results showed that N1 treatment gave the highest growth to the parameters of plant height, the number of leaves, the chlorophyll content and the number of stomata. While the treatment of N2 can give the highest growth to the parameter of the number of tillers.*

Keywords : Kecombrang (*Etlingera elatior* Jack), Shade, and Growth

