APPLICATIONS OF COLLECTION AND CYTOKININ CONCENTRATION ON THE GROWTH OF BANANA KEPOK GAJIH (Musa paradisiaca L.).

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ABSTRACT

The purpose of this study was to determine the effect of weevil cleavage and the concentration of cytokines on the growth of shoots of bananas of Kepok Gajah. This research was conducted from August 5 to October 5, 2021 in the village of Addrejo, Kec. Candipuro, Kab. Lumajang used a factorial randomized block design (RAK) with 2 treatments. The first factor is the cleavage of the hump with three levels, namely B0 = No Cleavage, B1 = Cleavage into four parts, B2 = Cleavage into eight parts, the second factor is the concentration of cytokinins S0 = Without Cytokinin administration, S1 = 50 ppm Cytokinin administration, S2 = Cytokinin administration 100 ppm, S3 = Administration of Cytokinins 300 ppm. The data obtained were analyzed for variance / ANOVA (Analysis of Variance), if the study showed significantly different results, it would be further tested with the DMRT Test (Duncan Multiple Range Test). The results showed that the best number of shoots was in treatment B1 (four-part division) with a total of 3.87 shoots, the best treatment was B0 (without division) with a yield of 69.59 cm. In the parameter of the percentage of weeds sprouting, the best treatment was the concentration of Cytokinin S3 (300 ppm) as much as 92.44%.

Keywords: Kepok Gajih Banana Shoots Growth, Weevil Cleavage, Cytokinin Concentration.