

THE EFFECT OF LOCAL MICROORGANISM ON BANANA BUMP AND APICAL BUD PRUNING ON INCREASING PRODUCTION OF SOYBEAN(*Glycine max* L.)

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ABSTRACT

This research aims to determine the production of soybean by application of local microorganism on banana bump and apical bud pruning. This research was conducted on TegalGede Village, Sumbersari, Jember Regency, East Java in August 2018 to November 2018. Altitude of 30 meters above sea level. It was applied Randomized Block Design with 2 factors, 6 combination treatment and 4 replications. The first factor was application before planting, application on 20 days after plant (vegetative phase) and application on 30 days after plant (Generative phase). The second factor was no bud pruning and bud pruning (25 days after plant). The data was analyzed by f Test (ANOVA) and followed by BNT 5%. The result of this research shows that all treatments are significant on vegetative phase only, it is on height of plant and non significant on generative phase.

Keywords :Apical Bud Pruning, Local Microorganism on Banana Bump, Soybean

