

**EFFECTIVENESS OF THE USE OF DIRT FATHER AND PRUNING  
SHOOTS UP ON PRODUCTION SWEET  
POTATOES (*Ipomea batatas* L.)**

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**ABSTRACT**

*Sweet potato is a food crop that has the potential as a food diversification program. Sweet potato plants are generally cultivated to a lesser extent. If it is continuously cultivated without maintaining environmental conditions it will affect the decrease in soil fertility. Therefore, the use of quail manure is carried out. And to expedite the photosynthesis process, the top shoot is done. This research was conducted in September 2018 until the month of December 2018 in Antirogo Village, Summersari District, Jember, at altitude of 87 m asl using a two-factor randomized block design (RBD). The first factor is the dose of quail manure with 5 levels of 15.5 kg / ha, 17.5 kg / ha, 20 kg / ha, 22.5 kg / ha, and 25 kg / ha while the second factor trimming shoots with 2 levels namely Without Pruning and Pruning (age 30 days). Plant parameters observed included the number of tubers per sample, tuber weight per sample, tuber weight per plot, tuber length per sample, tuber diameter, and weight of stover. Data analysis used the F Test formula (ANOVA) and continued with the DMRT test level of 5%. The results showed that quail manure showed no significant results on all parameters, shoot trimming showed different results not significant for all parameters and there was no interaction between the two treatment factors.*

**Key words:** *Sweet potato, Quail manure, Shoot Pruning*