

COMBINATION OF APICAL SHOOTS PRUNING AND PROVISION OF COCONUT WATER TO INCREASE PRODUCTION OF PEANUTS PLANT

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ABSTRACT

This research aims to determinet the effect of apical shoots pruning andprovision of coconut waterto production of peanuts plant. This research was conducted 4 months start on August 2018 until December 2018 in Rayap Village, Kemuning Lor, Arjasa, Jember Regency with a height 400 meter above sea level. This research was applied Randomize Block Design (RBD) with 2 factors, 8 treatment, and 4 replications. The first factor devided into 2 levels there were not shoots pruning (P1) and shoots pruning (P2) on 15 day after planting. The second factor wasprovison of coconut water devided into 4 levels there were not provisionof coconut water (K0), 25% concentration of coconut water (K1), 50%concentration of coconut water (K2), and 75%concentration of coconut water (K3), so there were 8 treatment combinations P1K0, P1K1, P1K2, P1K3, P2K0, P2K1, P2K2, and P2K3. The data was analyzed by using f test (ANOVA) and followed by DMRT 5%. The result of this research shows that apical shoots pruning is significant of height of plant, total of productive branch, and total of pods by plant, whereas provision of coconut water with 25% concentrate is significant on total of pods by plant.

Keywords : *coconut water, peanuts, apical shoots pruning.*