

**The Effect of Interval of Application and Application  
of Compound NPK Fertilizer on the Growth  
of Cocoa Seedling (*Theobroma cacao* L.)**

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***ABSTRACT***

Effect of intervals of application and application of compound NPK fertilizers on the growth of cocoa seeds (*Theobroma cacao* L.). The research design used was a factorial randomized block design (RAK) with 2 factors. The first factor is I (fertilizer application interval), namely I1 = 2 grams / seed / 2 weeks, I2 = 4 grams / seed / 4 weeks, I3 = 6 grams / seed / 6 weeks. The second factor is T (fertilizer application technique), namely T1 = sow, T2 = bore one hole, T3 = bore two holes, T4 = flush. Observation parameters include plant height (cm), number of leaves (strands), diameter (cm), root length (cm), wet weight (grams), dry weight (grams). The results showed that the treatment of the T3 application technique (two holes) had a significant effect on the height of the seedlings at 4 MST and the number of leaves at 8 MST. Meanwhile, the interval treatment with fertilizers did not significantly affect all parameters of the observation. The results of the interaction between the interval of fertilizer application and fertilizer application techniques also did not significantly affect all parameters of the observation

Key words: Cocoa, Fertilizer Interval, Fertilizer Application Technique