

**THE EFFECT OF ADDING GOLDEN SNAIL EKSTRAK WITH
REDUCTION OF N, P AND K FERTILIZER DOSE ON GROWTH ROBUSTA
COFFEE SEEDLINGS (*Coffea canephora* L.)**

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ABSTRACT

*Robusta coffee (*Coffea canephora* L.) is a plantation crop commodity with promising economic value. However, the unavailability of superior seeds at affordable prices has caused coffee farmers to switch to other commodities. This is due to the lack of availability of fertilizer as a nutrient absorbed by plants over time. In fact, fertilization is an important process for the availability of superior coffee seeds. The purpose of the study was to determine the effect of adding golden snail extract with a reduction in the dose of N, P, and K fertilizer on the growth of robusta coffee seedlings. This study used a Factorial Randomized Block Design (RAKF) consisting of 2 factors. The first factor is the concentration of golden snail extract 0% (K0); 2.5% (K1); 5% (K2); and 7.5% (K3). The second factor is the dose of N, P, and K fertilizer 0.5 dose of N, P, and K fertilizer (S1) and full dose of N, P, and K fertilizer (S2). The research data were analyzed using Analysis of Variance (ANOVA). If the results are significantly different or very significantly different, further testing will be carried out using BNT at a level of 5%. The results showed that K0 and K1 gave the best results in the parameters of plant height, number of leaves, fresh weight of shoots, dry weight of shoots and leaf area..*

Keywords: *golden snail extract, dose of N, P, and K fertilizer, robusta coffee seeds*