

**THE EFFECT OF APPLYING VARIOUS TYPES OF MANURE ON THE
GROWTH OF COFFEE PLANT SEEDLINGS
ROBUSTA (*Coffea canephora* L.) CALM PHASE**

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ABSTRACT

*Coffee is one of the most cultivated plantation commodities. Coffee nursery is the process of making seeds grow into ready-to-plant seedlings. To get normal growth of coffee seedlings, you must pay attention to the type of planting medium and the availability of nutrients in the planting medium. A good planting medium is a mixture of soil and manure. This study aims to determine the effect of the application of various types of manure on the growth of robusta coffee seedlings (*Coffea canephora* L.) in the slow phase. This research was carried out in August-December 2024 at the Jember State Polytechnic Field Laboratory. The research method used in this study is using a factorial complete random design (RAK) using 4 treatments, including (control without manure, cow manure 100 gr/polybag, goat manure 100 gr/polybag, chicken manure 100 gr/polybag). The parameters used are plant height, stem diameter, number of leaves, root length, wet weight of the crop, dry weight of the crop. The results of the analysis showed that the application of various types of manure had a real effect on the growth of robusta coffee seedlings on all parameters observed. The best treatment in this study was the P1 treatment with the application of cow manure as much as 100 gr/polybag.*

Keywords : growth, manure, robusta coffee