

# **THE GROWTH PERFORMANCE OF *Hevea brasiliensis* ON DIFFERENT MEDIUM AS AFFECTED BY FERTILISER RATES.**

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## **ABSTRACT**

This study was conducted at nursery of FSSA to test the growth performance of *Hevea brasiliensis* in different soil medium as affected by fertilizer rates. There are three types of soil medium which are 40% sand+60% topsoil medium, 40% sawdust+60% topsoil medium and 100% topsoil as a control. The fertilizer rates of chicken manure are chicken manure 10g, chicken manure 20g, chicken manure 30g and control on the growth performance of rubber seedlings. The objective of this research paper were to study the effect of different medium on the growth performance of rubber and investigate the effect on the growth performance of rubber and determine the most suitable fertilizer rate on the growth performance of rubber. The experiment layout is complete randomize design (CRD), which consist 4 replicates and 4 sample in each replicate. Result shows the difference in height mean, leaves mean and girth mean are significant ( $P < 0.05$ ) between treatment of chicken manure quantity. This study also shows that rubber seedlings need more quantity of chicken manure to achieve highest growth performance. It is proved that 30g quantity of chicken manure gave highest effect on weekly average growth of rubber in height. As a conclusion, information and results of this study was emphasized on the usage of fertilizer rates and influence of soil medium in order to get maximum growth of rubber seedlings.