

**THE EFFECT OF GOAT FERTILIZER DOSAGES ON GROWTH OF  
WEEDS AND SWEET CORN PLANT**

By: Siti Salma Athiyyah  
155040076

**ABSTRACT**

*This study aims to get a good dose of goat fertilizer to optimize the growth of corn plants in the middle of the growth of weeds. The method used in this study is an experimental method with a quantitative approach, researchers used a randomized block design study (RBD) with a treatment dose of 0 tons /Ha, 5 tons /Ha, 10 tons /Ha, 15 tons /Ha, 20 tons / Ha. The data from this study were then analyzed using IBM SPSS 20.0 for windows software through the normality test with the Kolmogrov-Smirnov statistical test. The next step was to test the hypothesis using one-way ANOVA. Based on the results of hypothesis data analysis, the value of 0.866 for goat manure dose on weeds or significance value  $> 0.05$  and 0.106 for the effect of goat manure dose on the growth of corn plants, which means hypothesis (H1) is accepted. This shows that there are differences in weeds and corn plant growth at each dose of treatment given. An increase in weed dry weight in line with the addition of a dose of goat fertilizer with a highest weight of 1.81 g at a dose of 20 tons/Ha and the most optimal growth of corn plants was at a dose of goat manure 10 tons /Ha.*

**Keywords:** *Goat Fertilizer, Weeds Growth, Sweet Corn Plant Growth*