

APPLICATIONS OF *Trichoderma sp* AND THREE TYPES OF CAGE FERTILIZER ON THE GROWTH AND PRODUCTION OF PEANUT

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ABSTRACT

The purpose of this study was to determine the effect of the application of *Trichoderma sp* and Three Types of Manure on the growth and production of peanut plants. This research was conducted in March-June 2021 with a Randomized Block Design (RAK) with 2 factors. The first factor was the dose of *Trichoderma sp* T0:(control), T1:(400 kg/ha (90 gr/plot)), T2:(500 kg/ha (112 gr/plot)), T3:(600 kg/ha (135 gr/plot)). The second factor is the application of three types of manure P1:(chicken manure), P2:(goat manure), P3:(cow manure). Parameters observed were plant height, number of pithy pods per sample, weight of wet pods per sample, weight of dry pods per sample, weight of wet seeds per sample, weight of dry seeds per sample, and weight of pods. The results of the study showed that the combination of chicken manure and *Trichoderma sp* 500 kg/ha (112 g/plot) could increase the average yield on the number of pithy pods per sample and dry seed weight on peanut plants. The application of manure has an effect on the observation parameters of dry pod weight per sample, wet seed weight per sample, and dry seed weight per sample. The *Trichoderma sp* treatment affected the observation parameters of plant height per sample, weight of wet pods per sample, and body weight per sample.

Keywords: Peanuts; *Trichoderma sp*; Type of manure.