EFFORTS TO INCREASE TRE GROWTH AND PRODUCTION OF PEANUTS BY ADDING TRICHODERMA AND CHICKEN MANURE

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ABSTRACT

This study aims to knowing that production of peanut (Arachis hypogea L.). Elephant varieties by giving trichoderma and chicken manure. This research was conducted for 3 months from October 2019 to February 2020. All activities were carried out in the village of Kemuning Lor, Arjasa sub-district, Jember district. This study used a factorial Randomized Block Design (RBD) with 2 factors 9 treatments and 3 repetitions, the T factor of 3 levels, namely the dose of Chicken Manure 2 kg / plot, 4 kg / plot, 6 kg / plot, the F factor 3 level, namely the Trichoderma dose of 100 gram / 50 kg compost, 125 gram / 50 kg compost, 150 gram / 50 kg compost. water with the treatment combination. The analyzed data using ANOVA and then further tested using the 5% level of DMRT. The results of this study indicate that the interaction of the treatment of adding chicken manure and Trichoderma doses does not have a significant effect (ns) on plant height, number of gynophores, crown weight, number of pods, weight of wet and dry pods in the sample of additional chicken manure gives a significant effect () on the parameters of wet pod weight per plot and dry pod weight per sample. For the addition of trichoderma had a very significant effect () on the parameters of the number of pods per plant and pod weight per sample and for significant differences in the parameters of wet pod weight and dry seed weight per plot.

Keywords: Peanuts, trichoderma, dose of chicken