

***Response of Various Types of Animal Manure Fertilizer and Mycorrhiza Doses on the Growth and Quality of Chrysanthemum Flowers (Chrysanthemum morifolium var Tirta Ayuni)***

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**ABSTRACT**

*Chrysanthemums are ornamental plants with high economic value. One effort to increase the production quantity and quality of chrysanthemums is to provide nutrition through fertilization and the application of mycorrhiza. The research aims to examine the interaction between the type of animal manure fertilizer and mycorrhizal dose on the growth and quality of chrysanthemums and determine the best type of fertilizer and mycorrhizal dose for chrysanthemum cultivation. The research will be carried out in August - November 2023 on Jl. Kaliurang km 21.8, Panggeran, Hargobinangun, Pakem, Sleman, Yogyakarta. The research is a field experiment with a Split Plot Design environmental design. The main plot is a type of animal manure fertilizer which consists of 3 levels, namely chicken manure, goat manure and cow manure. The subplot is the dose of mycorrhiza which consists of 3 levels, namely without mycorrhiza, 20 g/plant, and 30 g/plant. The results of the research showed that there was an interaction between the type of animal waste fertilizer and mycorrhiza treatment on the dry weight parameters of the stover and the duration of flower freshness. Cow dung fertilizer treatment gave the best results on the parameters of days of flower appearance, number of flowers, and flower diameter. Treatment with a mycorrhizal dose of 20 g/plant gave the best results on plant height parameters at 28 DAP, 42 DAP, and 56 DAP, as well as number of flowers.*

*Key words: Chrysanthemum, animal manure, mycorrhiza*