

**THE GROWTH AND YIELD OF EGGPLANT (*Solanum melongena* L.) ON
VARIOUS TYPES OF ANIMAL MANURE FERTILIZER
AND MYCORRHIZAE DOSAGE**

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ABSTRACT

The eggplant (*Solanum melongena* L.) is a type of vegetable that many cultivated in Indonesia. Selecting the right planting medium is crucial for organic eggplant cultivation. The study aims to determine the interaction between manure and mycorrhizal and to determine the most appropriate type of manure and mycorrhizal dosage for eggplant growth and yield. The research was conducted in Banjeng village, Wedomartani, Sleman, Yogyakarta in April - Juni 2024. The experimental design used a Complete Randomized Block Design with two factors, namely the type of chicken, cow, goat manure fertilizer 530 g/plant and mycorrhizal dosage of 20g/plant, 40g/plant, 60g/plant. The data obtained in this research was tested using ANOVA at the 5% level, if there is an effect on the treatment, continue with DMRT at the test level of 5%. The research results showed that there was no interaction between animal manure and mycorrhizal dosage on all parameters. The best chicken manure fertilizer on the parameters of plant height, stem diameter, number of leaves, and fruit weight per plant. The mycorrhizal dosage 40 g/plant is significantly better in terms of number of fruits, flowering time parameters, and fruit weight.

Keywords : eggplant, animal manure, Mycorrhizae