

ABSTRACT

Eggplant is very popular with many people because it has a delicious taste and can be used as a vegetable. Eggplant production increases every year, but market demand and community needs are still not met. One effort to increase the production and quality of eggplant plants can be done by using good planting media, namely using cow manure and adding nutrients to the plants by adding organic fertilizer. The aim of this research is to find out and identify the effects of applying appropriate cow manure and nitrogen fertilizer to eggplant plants and their interactions. This research used a Randomized Block Design (RBD) method which consisted of 2 factors. The first factor, cow manure: K0 (0 tons/ha), K1 (10 tons/ha), K2 (20 tons/ha). The second factor, nitrogen fertilizer: N0 (0 ton/ha), N1 (125 kg/ha), N2 (250 kg/ha). This research obtained 9 treatment combinations, with 3 replications, resulting in 27 experimental units. The results showed that cow manure treatment had an effect on the number of fruits, fruits length, fruits diameter, fruits weight between plants, and fruit weight between plots. Nitrogen fertilizer treatment affected the number of fruits, fruits length, fruits diameter, fruits weight between plants, and fruits weight between plots. There is an interaction between cow manure and nitrogen fertilizer on the number of fruits, fruits length, fruits diameter, fruits weight between plants, and fruits weight between plots.

Keywords: Eggplant, Cow Manure, Nitrogen Fertilizer.