

ABSTRACT

THE EFFECT OF NPK FERTILIZER AND RABBIT URINE COMBINATION ON THE GROWTH AND YIELD OF BUTTERNUT SQUASH PLANTS (*Cucurbita moschata* Durch)

By

**Ilman Fahmi
NPM 165001121**

**Guided By:
Yaya Sunarya
Yanto Yulianto**

Fertilizers play an important role in the growth of plants by providing essential nutrients. Fertilization can be done using chemical fertilizers such as NPK or organic fertilizers such as rabbit urine, or a combination of both. This research aims to determine the effect of a combination treatment of NPK fertilizer and rabbit urine on the growth and yield of honey pumpkin plants (*Cucurbita moschata* Durch). The study was conducted in Sariwangi Tasikmalaya from August to November 2020. The study used a Randomized Complete Block Design with 6 treatments: no fertilizer application, NPK 12 g/plant and rabbit urine 10 ml/plant, NPK 10 g/plant and rabbit urine 20 ml/plant, NPK 8 g/plant and rabbit urine 30 ml/plant, NPK 6 g/plant and rabbit urine 40 ml/plant, and NPK 4 g/plant and rabbit urine 60 ml/plant. Each treatment was replicated 4 times, resulting in a total of 24 experimental plots. The data were analyzed using analysis of variance (ANOVA) with F-test. The results showed that the application of a combination of NPK fertilizer and rabbit urine did not have any significant effect on the growth and yield of honey pumpkin plants.

Keywords: butternut squash, NPK, rabbit urine.