

**EFFECT OF PLANTING MEDIA COMPOSITION AND
CONCENTRATION OF LIQUID ORGANIC FERTILIZER (POC)
RABBIT URINE ON GROWTH AND PRODUCTION OF PURPLE
Eggplant (*Solanum melongena* L.)**

By : Ulfatin Nadhiroh

Supervised by :

Siwi Hardiastuti E.K. dan Alif Waluyo

ABSTRACT

Purple eggplant is a plant that is widely cultivated in the field. Efforts to increase the productivity of purple eggplant in a narrow area are cultivation in pots using organic growing media and the provision of POC for the addition of nutrients. This study aimed to examine the interaction between the type of planting media composition and the concentration of POC rabbit urine on the growth and yield of purple eggplant, to determine the best growing media and the best concentration of POC rabbit urine on the growth and yield of purple eggplant. The field experiment method was prepared with a two-factor and one control RAKL. The first factor was the composition of the planting medium which consisted of soil: cow manure: husk charcoal (1:1:1), soil: cow manure: cocopeat (1:1:1), and soil: cow manure: sawdust (1:1:1). The second factor was the concentration of POC which consisted of 6 ml/L, 12 ml/L, 18 ml/L, and controls using NPK. The results showed that there was an interaction between the composition of the growing media: soil: cow manure: husk charcoal and 12 ml/L rabbit urine POC concentration on plant height and stem diameter parameters at 35 DAP and soil composition: cow manure: cocopeat (1:1:1) with a rabbit urine POC concentration of 18 ml/L. The composition of the growing media soil: cow manure: husk charcoal (1:1:1) gave the best results on the parameters of stem diameter at 21 DAP and 28 DAP, when flowers appeared, and harvest age, while the composition of soil: cow manure: cocopeat (1:1:1) gave the best results on the parameters of the diameter of the second harvest fruit and the weight of the fruit planted. The POC concentration of rabbit urine 12 ml/L and 18 ml/L gave the best results on the parameters of the number of planted fruits and the weight of the fruit planted.

Key Word : *eggplant, growing media, rabbit urine*