

**Effect of Rice Wastewater POC and Planting Media Addition
Planting Media on the Growth and Yield of Green Beans (*Vigna radiata* L.)**

By: Sella Ingany Cibro

Supervised by: Darban Haryanto

ABSTRCK

Green beans are a legume plant that is often found in Indonesia, one of the efforts to increase production is by fertilizing. This research aims to determine the interaction between POC and planting media and to obtain the best concentration of POC fertilizer and planting media for the growth and yield of green bean plants. The research was carried out at the SG Agro Depok Greenhouse, Yogyakarta. The method used in this research was a field experiment arranged in a 2-factor Completely Randomized Design (CRD). The first factor is the concentration of POC fertilizer which consists of 200, 250 and 300 ml/L. The second factor influencing the planting media, namely, soil + cow manure (1:1), soil + cow manure + husk charcoal (2:1:1), soil + cow manure + husk charcoal (2:2:1) was analyzed using Variety Scanning (ANOVA) and further tested with (DMRT) at the 5% level. The results of the research showed that there was an interaction between the treatment of giving POC rice washing water and the planting media on the parameters of the number of pods per plant. The treatment of giving POC rice washing water with a concentration of 300 ml/L gave better results in the parameters of plant height, root length, root volume and number of pods per plant. The use of planting media with a comparison of Soil + Cow Manure + Charcoal Husk (2:1:1) gives better results in terms of plant height and number of leaves.

Keywords: Liquid Organic Fertilizer, growing media, mung bean

