

ABSTRACT

EFFECT OF BIOFERTILIZER CONCENTRATION ON GROWTH AND YIELD OF MUNG BEAN PLANTS (*Vigna radiata* L.)

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This study aims to determine the appropriate concentration for the growth and yield of mung bean plants. This experiment was carried out in the green house of the Faculty of Agriculture, Siliwangi University, Tasikmalaya with a height of 358 m above sea level. This experiment was conducted from March to May 2018. The experimental design used in this experiment was a Randomized Block Design (RBD) consisting of 4 treatments and 6 replications. namely: A: Without application, only watering is done (control), B: concentration 0.5% Biofertilizer C: concentration 1% Biofertilizer D: concentration 1.5% Biofertilizer. Application of biofertilizers with different concentrations did not affect the components of mung bean growth, namely the number of leaves and the weight of 100 seeds. But it shows different in plant height, number of pods per plant, average pod weight per plant, and average seed weight per plant. Biofertilizer concentration of 1.5% per plant shows the best results shown by the number of pods per plant is 17.30 pods with an average pod weight per plant reaching 16.81 grams with an average seed weight per plant is 6.20 grams

Keywords: Mung bean, Biofertilizers, Concentration