

## **ABSTRACT**

### **THE EFFECT OF THE COMBINATION OF MEASURES OF NIGHT SOIL COMPOST AND COW MANURE COMPOST ON CHRYSANTHEMUM GROWTH (*Chrysanthemum* sp.)**

**By**

**Siti Sofariah  
185001102**

**Supervisor:**

**Yanto Yulianto  
Undang**

Intensive use of inorganic fertilizers over a long period of time can cause a decrease in soil fertility levels. One alternative is to use organic fertilizer in the cultivation process, for example night soil compost and cow manure compost. This research aims to determine the effect of a combination of night soil compost and cow manure compost on the growth of chrysanthemums (*Chrysanthemum* sp.). This experiment was carried out from August to November 2023 in Ciburial Village, Leles District, Garut Regency at an altitude of 700 meters above sea level. This experiment used a Randomized Block Design (RBD) consisting of 6 treatments with 4 repetitions. The combination treatment of night soil compost and cow manure compost consisted of control (without giving night soil compost and cow manure compost), giving 40 g night soil compost, 30 g night soil compost + 10 g cow manure compost, 20 g night soil compost + 20 g cow manure compost, 10 g night soil compost + 30 g cow manure compost, and 40 g cow manure compost. The data observation were analyzed using variance (F test) and continued with Duncan's Multiple Range Test at a significance level of 5%. The results of the analysis showed that the application of night soil compost and cow manure compost had an effect on the diameter and number of chrysanthemum flowers, but there was no difference on the increase in plant height, increase in the number of leaves and the appearance of the first flowers. The combination of 40 gs of night soil compost and 20 gs of night soil compost + 20 gs of cow manure compost had a good effect on the flower diameter and number of chrysanthemum flowers.

Keywords: chrysanthemum, cow manure compost and night soil compost