

## **ABSTRACT**

### **THE EFFECT OF TYPES AND MEASURES OF CHICKEN MANURE ON THE GROWTH AND YIELD OF FLOWERING CABBAGE (*Brassica oleracea var. botrytis* L.)**

**By**  
**Erlangga Mahameru Mahendra**  
**NPM. 185001132**

**Supervisors :**  
**Tini Sudartini**  
**Amir Amilin**

One effort to increase the productivity of cauliflower requires the use of organic fertilizer. Providing organic fertilizers such as laying hen manure and broiler manure can have good potential because it can improve the physical, chemical, and biological properties of the soil. The research aimed to determine the effect of the interaction between the type and dosage of chicken manure on the growth and yield of cauliflower. The experiment will be carried out from February to May 2023 at the experimental garden of the Faculty of Agriculture, Siliwangi University, Tasikmalaya. The experiment used a factorial Randomized Block Design (RBD) with 2 factors, the first factor was the type of chicken manure consisting of chicken manure (laying chickens and broiler chickens). The second factor of chicken manure dosage consists of 0 t/ha, 5 t/ha, 10 t/ha, 15 t/ha, and 20 t/ha. Each treatment was repeated 3 times. Data were analyzed using the F test of variance and continued with Duncan's multiple range test at a significance level of 5%. The results showed that there was no interaction effect between the type and dose of chicken manure on the growth and yield of cauliflower. Providing broiler manure produces higher flower weight and yield per plot compared to laying hen manure. Independently, manure at a rate of 20 t/ha has the best effect on the growth and yield of cauliflower.

Keyword : Chicken manure, cauliflower