

**APPLICATION OF VARIOUS TYPES OF LIQUID ORGANIC  
FERTILIZERS AND TYPES OF MULCH ON CABBAGE PLANTS**

***(Brassica oleracea (L.) Botrytis)***

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**ABSTRACT**

Cabbage flower is a plant that is favored by the community because of its high nutritional content. Efforts to produce good quality cabbage flower can be done by using mulch in the cultivation process and providing POC for additional nutrients. This study aims to determine the best liquid organic fertilizer and type of mulch for the growth and yield of cabbage flower plants. This research has been carried out in the rice field area of Sambilegi Kidul Hamlet, Maguwoharjo Village, Depok District, Sleman Regency, Yogyakarta in March - May 2024. The research method used a split plot design consisting of 2 factors. The main plot is the type of mulch consisting of 3 levels, namely without mulch, straw mulch and black silver plastic mulch. The application of POC as a sub-plot consists of 4 levels, namely without POC, rabbit urine POC, coconut fiber POC and rice washing water POC. The research data were analyzed using ANOVA at a level of 5% and then further tested with the DMRT test at a level of 5%. The results of the study showed that there was an interaction between the provision of POC types and the use of mulch types at flowering time and number of leaves at 42 hst. The use of black silver plastic mulch and straw mulch obtained the highest results in all research parameters. The application of rabbit urine POC obtained the highest results in all research parameters.

Keywords: cabbage flower, liquid organic fertilizer, mulch