

**RESPONSE TO GROWTH AND YIELD OF LALAP CHILI PLANTS
(*Capsicum frutescens* L.) BY PROVIDING TYPES OF ORGANIC MULCH
AND MANURE**

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ABSTRACT

Fresh chilies are one of the commodities that is widely cultivated. Improvement of cultivation techniques to maintain and increase the amount of production and yield by applying organic mulch and using manure. This research aims to examine the interaction of applying organic mulch and applying manure on the growth and yield of fresh chili plants. The research was carried out in the rice fields of Pandes I Hamlet, Wonokromo Village, Pleret Bantul Yogyakarta in March – June 2023. This research used a Split Plot Experimental Design with a Complete Randomized Block Design (RAKL) environmental design. The main plot is a type of organic mulch which consists of 4 levels, namely rice straw, rice husks, sawdust and bamboo litter and the sapling plot is a type of manure which consists of 3 levels, namely cow dung fertilizer 30 tons/ha, goat manure 30 tons /ha, and chicken manure 30 tons/ha. The results showed that there was an interaction on the fresh weight parameter of the stover. Providing organic mulch Providing organic sawdust mulch gave the best results in the parameters of flowering time, number of fruit, total fruit weight, fresh weight of stover, conversion weight per hectare, and harvest index. Application of chicken manure gives the best results in the parameters of plant height, plant stem diameter, flowering time, number of fruit, fruit length, fruit diameter, fruit weight sample plant, total fruit weight, fresh weight of stover, conversion weight per hectare, and harvest index.

Key words: fresh chili, organic mulch, manure.