RESPONSE OF GROWTH AND PRODUCTION OF CHILLI PEPPER (*Capsicum frutescens* L.) BY PRUNING TOPS AND ADMINISTRATION OF LIQUID ORGANIC FERTILIZER WASTE TOFU

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ABSTRACT

Chili pepper is a vegetable that has high nutritional and economic value so that market demand tends to always increase. The aim of this study was to determine the growth response and yield of cayenne pepper by pruning shoots and adding LOF tofu liquid waste. This study used a factorial design (2x3)+1 control with completely randomized design. The first factor is shoot pruning at: 21 and 30 DAP. The second factor was the LOF concentration of tofu liquid waste, namely: 7.5, 10 and 12.5 ml/l. Analysis of variance was carried out on the observations obtained and continued with Duncan's Multiple Test (DMRT) and Orthogonal Contrast Test at 5% test level. The study showed that there was an interaction between shoot pruning treatment and LOF of tofu liquid waste on the parameters of the number of fruits per plant in the second and fifth harvests, fruit weight per plant in the second and fifth harvests. The pruning treatment at 21 DAP had the best results on the parameters number of branches 30 and 44 DAP, stem diameter 30 HST, plant dry weight 30 HST, fourth harvest fruit diameter. Giving POC of tofu liquid waste 12.5 ml/l had the best results on parameters number of branches 30, 37, and 44 DAP, stem diameter 30, 37, and 44 DAP, plant dry weight 30 DAP, total number of fruits per plant, total weight fruit per plant.

Keywords : Chili pepper, pruning shoots, liquid organic fertilizer tofu liquid waste