APPLICATION OF LIQUID ORGANIC FERTILIZER (POC) TOFU WASTE AND TIME OF Pruning FEEDING ON PRODUCTION PEANUT (*Arachis hypogaea L.)*

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ABSTRACT

The use of liquid organic fertilizer (POC) from tofu waste is a good step where there is processing of tofu waste which is usually just thrown away but is now being used as liquid organic fertilizer (POC) which can be applied to fulfill the nutrients needed by plants. The purpose of this study was to determine the effect of the application of liquid organic fertilizer (POC) from tofu waste and the time of pruning the shoots on peanut production. This research was conducted from October 2022 to January 2023 in Antirogo Village, Sumbersari District, Jember Regency. The research design used was a factorial randomized block design (RBD). The first factor was liquid organic fertilizer (POC) from tofu waste with control doses, 200 ml/2m2 plot and 400 ml/2m2 plot. The second factor was the pruning time of the Control shoots, 7 and 14 days after flowering. The results of this study indicated that there was an interaction between the application of liquid organic fertilizer (POC) doses of tofu waste at a dose of 400 ml/2m2 plot and the control of shoot pruning time on the understorey weight parameter. The treatment dose of 400 ml/2m2 plot had a significant effect on the number of branches parameter. The application of shoot pruning time 14 days after flowering gave results that significantly affected the parameters of the number of full pods and fresh pod weight, while the time of pruning 14 days after flowering gave results that had a very significant effect on the parameter SPAD values, 7 days after flowering on topsoil weight and control on bottom weight.

Keywords: Growth, Yield, Pods