

**GROWTH AND YIELD OF CUCUMBER**  
**(*Cucumis sativus* L.) ON VARIOUS ETHEPON CONCENTRATION AND**  
**SHOOT PRUNING TIMING**

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**ABSTRACT**

Cucumber is a plant that has various benefits because it has quite good nutritional content, this causes the demand for cucumbers to be very high. Fulfillment market needs can be done by using ZPT (Growth Regulator) in the form of ethepon and pruning shoots to increase the yield of cucumber plants. The aim of this research was to examine the interaction between various ethepon concentrations and the timing of cucumber shoot pruning. The research method was Factorial (3 x 3) +1 control which was arranged in a Randomized Complete Block Design (RCBD) . The first factor is various ethepon concentrations, namely 100, 200, 300 ppm. The second factor is the time for pruning the shoots, namely 14, 21, 28 DAP. Observational data were analyzed using 5% level of diversity analysis and orthogonal contrast. If the results show a real effect, a further test is carried out with the Duncan's Multiple Range Test (DMRT) with a significance level of 5%. The results showed that there was an interaction between ethepon concentrations 200 ppm and shoot pruning time at 21 DAP on number of fruit per plant, fruit weight per plant, and fruit weight per hectare. Ethepon concentration 200 ppm gave the best results on the parameter of the age flower emergence, number of male flowers, number of female flowers, and age at harvest. Shoot pruning time at 21 DAP gave the best results on the parameter number of leaves, fruit weight, fruit length, and fruit diameter.

Keywords : *cucumber, ethepon, prune shoots*