

**EFFECT OF GIBBERELLIN AND PINCHING TREATMENT ON
MARIGOLD GROWTH AND FLOWER PRODUCTS**
(Tagetes erecta L.)

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ABSTRACT

Marigold is one of the multifunctional ornamental plants, so the demand for marigolds continues to increase. This study aims to examine the interaction between GA3 concentration and pinching time, to determine the best GA3 concentration and pinching time for the growth and yield of marigold flowers. The study was a field experiment with a split plot design with 2 factors, namely the concentration of GA3 (150 ppm, 200 ppm and 250 ppm) and pinching time (14 DAP, 21 HST and 28 HST). Observations were analyzed by ANOVA followed by DMRT test level of 5%. There was an interaction between 200 ppm gibberellin concentration and 14 HST pinching at the time of flower appearance. The gibberellin treatment gave the same results for all parameters. Treatment at 28 HST pinching time gave the best results on plant height parameters 35 HST and number of flowers.

Keywords: Marigold, Gibberellin, *Pinching*