

Pengaruh Pemangkasan dan Konsentrasi GA3 Terhadap Produksi Benih Kenikir (*Cosmos caudatus kunth*) (*The Effect of Pruning and GA3 Hormone Concentration on Production of Kenikir Seeds (Cosmos caudatus kunth)*)
Supervised by : Maria 'Azizah, S.P.,M.Si

Rani Farhaniyah

Study Program Of Seed Production Technique
Department Of Agricultural Production
Program Studi Teknik Produksi Benih
Jurusan Produksi Pertanian

ABSTRACT

*Kenikir (*Cosmos caudatus Kunth*) is an indigenous plant that has many benefits. Kenikir leaves are widely used as medicine, fresh vegetables and as an ornamental plant. The lack of development of kenikir plants as indigenous plants and the absence of correct standard operating procedures regarding the production of kenikir seeds are problems in the cultivation of kenikir plants. Cultivation techniques are needed to increase kenikir seed production and speed up flowering. Carried out in September 2023-February 2024. The treatment carried out is pruning and concentration of the gibberellin hormone (GA3) with 4 repetitions. The research data was tested using ANOVA and if it has a real effect it will be tested further using DMRT at a level of 5%. The results of the research showed that the pruning treatment (P) had a very significant influence on the parameters of the number of flowers per planting, and was significantly different on the parameters of the number of branches and stem diameter, but was not significantly different on the parameters of the number of seeds per planting, the weight of the seeds per planting, the potential of the seeds per hectare, the production per hectare, germination power, simultaneous seed growth and weight of 1000 seeds. The GA3 (G) concentration treatment had a significantly different effect on the parameters of the number of flowers per planting, but was not significantly different on the parameters of stem diameter, number of branches, number of seeds per planting, weight of the seeds per planting, potential seeds per hectare, production per hectare, germination capacity, simultaneous growth of the seeds. and the weight of 1000 seeds. that the interaction of pruning treatment and GA3 concentration (PxG) had no significantly different effect on all parameters*

Keywords: *Cosmos caudatus, GA3, Pruning*