

## Parameter Genetik Jagung Populasi Bisma pada Pemupukan Berbeda. I. Ragam Aditif-Dominan Bobot Biji Jagung

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### Abstrak

Genetic parameters of bisma maize population under different levels of fertilizer application. I. Additive-dominant variance of grain yield. Sutoro, Abdul Bari, Subandi, and Sudirman Yahya. New maize varieties could be obtained through improvement of their plant populations. The method used in selection in the crop improvement was based on values of their genetic parameters. Bisma is one of the maize varieties that has a broad genetic background. New maize varieties be obtained by improving their population through selection under different environmental conditions. Genetic parameter value were estimated by conducting an experiment under NCD II crossing at Bogor. Twenty seven sets, which were developed from three females and three males of S1 as parents of each set, were evaluated under three different fertilization schemes. Results of the experiment showed that the additive genetic variance was significantly different from zero, and so among the different levels of fertilizer applications ..