

Pengaruh Dosis Pupuk KCl dan Kieserit Terhadap Produksi dan Kadar Gula Jagung Manis (*Zea mays saccharata*). *Dose Effect of KCl and Kieserite Fertilizer on Production and Sweet Corn Sugar Levels (Zea mays saccharata)*

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ABSTRACT

One effort to increase the production of sweet corn that is by KCl fertilization and Kieserite. The purpose of this study is to determine the effect of the application of fertilizer KCl and Kieserite on production and sugar content of sweet corn. This study was conducted in November 2014 - January 2015 at the Experimental Garden State Polytechnic of Jember. This study uses factorial randomized block design with three replications. The first factor is the dose of fertilizer with 3 levels of KCl and the second factor is the dose of fertilizer Kieserite with 3 levels. DMRT further test using 5% and 1%. The results of the study dose of fertilizer Kieserite very significant effect on blood sugar levels, and have real impact on the cob diameter, whereas the dose of KCl fertilizer significantly affected the sugar content of sweet corn, interaction and Kieserite KCl fertilizer had no significant effect on all parameters.

Keywords: Fertilizer KCl, Kieserite, Sweet corn.