

Respons of Several Concentration and Interval on Giving (Mikroorganisme Local) MOL Cassava Toward Production Corn (*Zea mays L.*) Bisi 2 Varieties

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ABSTRACT

The study aims to find out the effect of the application on several concentration and interval on giving MOL cassava for production of corn (*Zea mays L*) bisi 2 varieties. This study was done at the experiment garden of Politeknik Negeri Jember. It was done in September to December 2015. The research method used was group random design with two factor. The treatment done toward factor one (K) was the concentration of 4 standard concentration of giving MOL cassava as much as 0 ml per liter of water as the control (K0), concentration of giving MOL cassava as much as 100 ml per liter water (K1), concentration of giving MOL cassava as much as 150 ml per liter water (K2), concentration of giving MOL cassava as much 200 ml per liter of water (K3). Meanwhile, factor two (P) that was interval of time on giving MOL cassava with three standard interval of giving once a week (P1), interval to giving once in two weeks (P2), interval of giving once in three weeks (P3). The result of this experiment showed that the concentration treatment of giving MOL cassava gave the real effect to high observation parameters of plant per plot with age 28 Days After Plant through the concentration treatment on 150 ml per liter water. Meanwhile, the other treatment and interaction between two factor obtained unreal different result toward all observation parameter.

Keyword : MOL Cassava, Bisi-2 Corn, Concentration and interval, *Zea mays*, L