

The Influence Of Manure And Potassium Fertilizer On The Production Of Sweet Potato (*Ipomea Batatas* L).

Sufiyati Arsyad Noer

Major of Technology Food Crop Production
Faculty of Agricultural Production

ABSTRACT

*This research was held in experimental field of State Polytechnic of Jember, from January 2016 – Mei 2016. The purpose in this research is to know the influence of kind organic fertilizers (cow's organic fertilizer, goat's organic fertilizer and chicken's organic fertilizer) with Kalium fertilizer which is optimum to ubi jalar crop (*Ipomea Batatas* L) sukuh varieties and to know the interaction to the high production of ubi jalar crop (*Ipomea Batatas* L). This research use factorial group random sampling without organic fertilizer (K_0), by giving 4 kg/ha dosis cow's organic fertilizers (K_1), 4 kg/ha SP36 dosis goat's organic fertilizers (K_2), 4 kg/ha dosis chicken's organic fertilizers (K_3), and giving dosis K fertilizers (KCL), by giving 60 kg/ha K KCL fertilizer (S_1), 120 kg/ha K KCL fertilizer (S_2), 180 kg/ha K KCL fertilizers (S_3). The variable that examine is, the amount of crops per sampling, the weight of crops per sampling. The research shows that by giving organic fertilizer and Kalium fertilizers are not the same influence and produce parameter of generative crops parameters.*

Key word: kind of organic fertilizers, potassium fertilizers, crops production