Pengaruh Dosis Pupuk Organik dan Interval Pemupukan Terhadap Produksi dan Mutu Benih Jagung Manis (*Zea mays saccharata* Sturt) *(Effect of dose of organic fertilizer and fertilizati interval on production and quality of sweet corn seeds (Zea mays saccharata* Sturt*) Supervisor* : Ir. Hari Prasetyo, MP *and* Rezqi Lukman Aziz, S.Tr.P

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ABSTRACT

Sweet corn has a nice, sweet taste and contains carbohydrates, less fat and protein. The research aims to find out the interaction between the dose of organic fertilizer and the interval of fertilization on the production and quality of sweet corn seeds (Zea mays saccharata Sturt). This research was conducted at the Research and Development (RD 2) PT. Wira Agro Nusantara Sejahtera Pare, Kediri from August 2021 – November 2021. This study used a factorial randomized block design (RAK) which was repeated 4 times. The first factor is the dose of Organic Fertilizer (D) D_0 : 0 ton/ha, D_1 : 2,5 ton/ha, D_2 : 3,75 ton/ha and D_3 : 5 ton/ha. The second factor is Fertilization Interval (I) I_1 : once a week and I_2 : once every 2 weeks. The data will be analyzed using ANOVA (Analysis of Variance). The results of the treatment which show a effect or significant difference will be further tested using the DMRT Test (Duncan's Multiple Range Test) with a level of 5%. The interaction of treatment dose of organic fertilizer and fertilization interval showed a very significant difference effect with the best results Dosage of Organic Fertilizer 5 tons/ha and 2-week intervals (D3I2) on the parameter of seed production potential per hectare of 2.86 tons and Dosage of Organic Fertilizer 5 tons/ha and 2-week intervals (D3I2) showing a effect significant difference in the parameter weight of 1000 grains of 120.45 gr and showed no significant difference in the parameter seed quality test.

***Key words** : Sweet corn, dosage of organic fertilizer, fertilization interval*