

Application soaking time tuber in IAA solution and type of planting media To growth keladi (*Caladium* sp) plant red star varieties Instructor : Ir. Hari Prasetya, MP.

Hikmah Dwi Aditiya Ramadhan
Program Studi Teknik Produksi Benih
Jurusan Produksi Pertanian

ABSTRACT

The purpose of this study was to determine the effect of tuber weevil in IAA solution and the type of growing media on the growth *Caladium* of red star varieties. This research was conducted from 23 February to 23 April 2021 at the Flower Garden owned by Mrs. Airin Jl. Bungur xxv Gebang, Jember Regency used a factorial Randomized Block Design (RAK) with 2 treatments. The first factor is the length of immersion with IAA with four levels, namely L0 = No soaking time, L1 = 3 minutes of soaking, L2 = 5 minutes of soaking and L3 = 8 minutes of soaking, the second factor is the type of planting medium M0 = Pure poor sand, M1 = Pure Cocopeat, M2 = Pure husk charcoal and M3 = Mixture of the three media with a ratio of 1: 1: 1. The data obtained were analyzed for variance / ANOVA (Analysis Of Variance), if the research showed significantly different results, it would be further tested with the DMRT Test (Duncan Multiple Range Test). The results showed that the IAA soaking treatment for 5 minutes had a significant effect on the parameters of plant height 12,2 cm and had a very significant effect on the parameters of leaf length 7,3 cm. The treatment of the type of planting media (pure husk charcoal) had a significant effect on the parameters of plant height 36,24 cm, had a very significant effect on the parameters of leaf length 23,06 cm, leaf width 18,51 cm and root length 62 cm. The interaction of IAA immersion time and the type of planting media had no significant effect on all observation parameters

Key words : *Caladium* Growth, Imerssion time in iaa solution, type of planting media.