

***THE EFFECT OF VARIOUS PLANTING MEDIA COMPOSITIONS AND
AUXIN CONCENTRATIONS ON THE GROWTH OF TIN (*Ficus carica* L.)
CUTTINGS***

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ABSTRACT

The success rate of fig cuttings can be increased by growing them in planting media and providing the right concentration of Rootone-F auxin. The aim of the research was to determine the composition of the planting medium and the concentration of Rootone-F auxin that had the best influence on the growth of fig cuttings. The research was carried out at the Experimental Garden of the Faculty of Agriculture, UPN "Veteran" Yogyakarta, Wedomartani, Ngemplak, Sleman, Yogyakarta, using a Factorial Completely Randomized Design (CRD), two factors and three replications. The first factor is the composition of the 3 levels of planting media (Soil, 2 parts soil : 1 part husk charcoal : 1 part cow manure, 1 part soil : 2 parts husk charcoal : 1 part cow manure). The second factor is the auxin concentration of Rootone-F 4 levels (0, 150, 300, 450 ppm). The results showed that there was no interaction between the treatment of planting media composition and Rootone-F auxin concentration. The composition of the planting medium, soil, husk charcoal, cow manure 2:1:1, has the best effect on the number of leaves. Rootone-F auxin concentrations of 300 and 450 ppm had the best effect on shoot number, shoot length and root length.

Keywords: *fig plant cuttings, planting media composition, Rootone-F auxin concentration*