GROWTH STEM OF BOUGAINVILLEA (*Bougainvillea spectabilis* Willd.) AT THE CONCENTRATION AND DURATION OF ROOTONE-F SOAKING

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ABSTRACT

Bougainvillea (*Bougainvillea spectabilis* Willd.) has its own appeal for plant enthusiasts due to the variety of colors produced by its flowers. The research was conducted in April–May 2024 at the Experimental Garden of the Faculty of Agriculture, UPN "Veteran" Yogyakarta, located in Ngeropoh, Condongcatur Village, Depok Sub-district, Sleman Regency, Yogyakarta. The objective of the study was to determine the appropriate concentration and soaking duration of Rootone-F for the growth of bougainvillea cuttings. The research used a Completely Randomized Design (CRD) with two factors. The first factor was Rootone-F concentration, consisting of three levels: 100, 200 and 300 mg/l. The second factor was the soaking duration of the cuttings in the Rootone-F solution, consisting of three levels: 2, 3 and 4 hours. The data were analyzed using analysis of variance (ANOVA) at a 5% significance level. If a significant effect was found, further testing was conducted using Duncan's Multiple Range Test (DMRT) at the 5% level. The results showed that there was no interaction between the rootone-F concentration and soaking duration, and that neither the concentration of Rootone-F concentration nor the soaking duration had a significant effect on the growth of bougainvillea cuttings.

Keywords: *Stem of Bougainvillea, Concentration Rootone-F, and Soaking Time*
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