

**GROWTH OF BOUGAINVILLEA (*Bougainvillea spectabilis* Wild.)  
CUTTINGS WITH ZPT ROOTONE-F AND CONCENTRATION OF LEAF  
FERTILIZER**

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**ABSTRACT**

Bougainvillea is one of the ornamental plants that has good business prospects because it is in great demand by the people in Indonesia. This study aims to determine the interaction between ZPT rootone-F and foliar fertilizer on the growth of Bougainvillea cuttings. This research was conducted in September 2022-December 2022 at the Experimental Garden of the Faculty of Agriculture UPN "Veteran" Yogyakarta Wedomartani, Ngemplak, Sleman, Yogyakarta. The research used a field experiment with the method of factorial Complete Randomized Block Design (CRBD) in polybags with two factors and one control. The first factor was rootone-F 25 mg/plant, 30 mg/plant, and 35 mg/plant. The second factor is leaf fertilizer concentration of 2 g/L, 3 g/L, and 4 g/L. There were ten treatment combinations and repeated three times. Data were analyzed using Analysis of Variance at the 5% level, if there was a significant effect, followed by Duncan's Multiple Range Test (DMRT) at the 5% level. Tests between treatments and controls were tested with Orthogonal Contrast. The results showed that there was an interaction between ZPT rootone-F and leaf fertilizer concentration on the parameter of the number of leaves 12 WAP. Rootone-F treatments of 25 mg/plant and 35 mg/plant were better than rootone-F 30 mg/plant on the parameter of shoot emergence time. The treatment of foliar fertilizer concentration of 4 g/L gave the best response on the parameters of highest shoot height, number of shoots (6 WAP), number of leaves (6 WAP), leaf area, and root length.

**Keywords:** *Bougainvillea Cuttings, ZPT Rootone-F, Leaf Fertilizer*