

**THE EFFECT OF CONCENTRATION AND INTERVAL
OF MAJORING ACID ON THE GROWTH OF
BUD SETCANEVARIETYSEEDS PS 862
(*Saccharum officinarum* L.)**

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ABSTRACT

This study aims to determine the concentration and interval of humic acid application on the growth of sugarcane seedlings with the Bud Set System (*Saccarum Officinarum*862 L.) PSvariety. This research was conducted in November 2019 - January 2020 at the Jember State Polytechnic Nursery. This research was arranged using Rancangan. Factorial Randomized Group (RBD) with the first factor was the concentration of humic acid which consisted of 3 treatment levels, namely K1 30 mg / L, K2 60 mg / L, and K3 90 mg / L, and the second factor was the humic acid administration interval consisting of 4 interval levels are (I1) once every 15 days, (I2) every 30 days, and (I3) every 45 days. The variables observed included stem diameter, number of tillers, plant height, root wet weight, and root dry weight. The results of the analysis using the Sidik of Variety (ANOVA) were continued with the least significant difference test (LSD) with a real level of 5%. The concentration of humic acid was significantly different from the parameters of stem diameter and plant height. However, in the variable number of tillers, root wet weight, root dry weight was not significantly different. For the interval of humic acid application, it was significantly different to the stem diameter variable, and there was no difference between plant height, number of tillers, root wet weight and root dry weight.

Key words: humic acid, budchips, sugar cane