

**EFFECT OF PLANTING MEDIA AND DOSE OF FERTILIZER ZA
(Zwavelzure Ammonium) ON THE GROWTH OF SUGARCANE
VARIETIES BULULAWANG (*Saccharum officinarum* L.)
BUD SET METHOD**

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ABSTRACT

The need for sugar continues to increase along with the increase in population, but the increase in sugar consumption has not been offset by domestic production. The decline in sugarcane productivity can be influenced by the abiotic environment, one of which is a decrease in the fertility rate of sugarcane planting land. The purpose of this study was carried out because it was to determine the effect of planting media and ZA fertilizer doses on the growth of sugarcane varieties bululawang bud set method. The research was conducted from March to July 2023 on the land of PT. Synergy of Gula Nusantara PG. Mockery. Which is located at JL. Raya Situbondo, Grundo, Prajekan Kidul, Prajekan District, Bondowoso Regency, East Java. The method used is a random design of factorial groups with 2 factors and 3 repeats. The first factor is the planting media which consists of 3 levels which include P1 (top soil, sand, husk charcoal), P2 (top soil, sand, goat fertilizer), P3 (top soil, sand, cow manure). The second factor is Z0 (dick), Z1 (10 grams), Z2 (15 grams), Z3 (20 grams). The results showed that the growing medium and ZA fertilizer dose showed no real influence on stem diameter, very real different results on the parameters of plant height, number of leaves, number of saplings, and wet weight of roots.

Keywords : *Sugarcane, Planting Medium, Fertilizer ZA*