

**THE EFFECT OF VARIOUS PLANTING MEDIA ON THE  
GROWTH RESPONSE OF SUGARCANE (*Saccharum  
officinarum* L.) SEEDLINGS OF BULULAWANG  
VARIETY**

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***ABSTRACT***

*Sugarcane (*Saccharum officinarum* L.) is one of the plantation crops that contributes significantly to production in the plantation sector because it is a source of raw materials in the sugar industry. One of the superior varieties is Bululawang (BL) which is widely used by farmers because of its adaptive nature and potential in terms of production. The study used a Non-factorial Randomized Block Design (RAK) with 5 types of treatments and repeated 5 times, so that there were 25 units obtained 150 samples, namely P0 (Without Organic Fertilizer), P1 (Blotong Compost), P2 (Cow Manure Compost), P3 (Goat Manure Compost) and P4 (Vermicompost). The research data were analyzed using ANOVA, if the results showed a significant effect, a further BNT test was carried out at a level of 5%. The observation variables used were stem height, number of leaves, stem diameter, number of tillers and fresh seedling weight. The results showed that the use of various planting media had a significant effect on the parameters of the number of leaves (strands), number of tillers and fresh seedling weight (gr). Meanwhile, the parameters of the height of the goods (cm) and the diameter of the stem (mm) did not provide a significant effect. The best treatment was treatment P1 with a composition of Topsoil: Sand: Blotong Compost (1:1:1).*

***Key words : Bululawang, Growing medium, Sugarcane***