

# **THE EFFECT OF GIVING SHEEP URINE POC ON THE GROWTH OF SUGAR CANE SEEDLINGS (*Saccharum officinarum* L.) BULULAWANG VARIETY**

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## ***ABSTRACT***

Sugarcane (*Saccharum officinarum* L.) is a tropical sugar-producing plant widely cultivated in Indonesia. Sugar demand continues to increase along with population growth, but national productivity still faces various obstacles, such as low seed quality, limited land, and climate change. Seedling propagation using the Single Bud Planting (SBP) method with the bud set technique is an efficient alternative in producing superior seedlings without requiring large areas of land or a tiered garden system. The use of sheep urine POC can also help the growth of sugarcane seedlings and is environmentally friendly. This study aims to determine the effect of various concentrations of sheep urine on the growth of Bululawang variety sugarcane seedlings. This study was conducted in September–December 2024 at the Field Laboratory of the Jember State Polytechnic. The statistical method used was a Non-Factorial Randomized Block Design with 5 treatments with different concentrations: P0 (0 ml/L), P1 (20 ml/L), P2 (40 ml/L), P3 (60 ml/L), and P4 (80 ml/L). The results of this study showed that there was a significant effect of POC administration on the parameters of the number of leaves at 60 HST.

**Keywords:** Sugarcane, POC, sheep urine