

**GROWTH RESPONSE OF CUTTINGS OF MOTHER-IN-LAW'S Aloe  
PLANTS (*Sansevieria trifasciata-hahnii*) ON VARIOUS TYPES OF  
NATURAL PGR AND PLANTING MEDIA COMPOSITION**

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**ABSTRACT**

*Mother-in-law's tongue contains pregnane glycosides that can reduce pollutants. This plant is susceptible to death due to lack of PGR and inappropriate planting media composition. The study aims to determine the type of PGR and composition of planting media that provide the best effect on the growth of mother-in-law's tongue cuttings (*Sansevieria trifasciata-hahnii*). The research methodology used a Complete Randomized Block Design (RAKL) experimental design. The first factor is the type of natural PGR consisting of 3 levels, namely shallot extract, bean sprout extract, and banana stem extract. The second factor is the composition of the planting media consisting of 4 levels, namely Soil: Rice Husk Charcoal: Cow Manure with a ratio of (1:1:1), (1:1:2), (1:2:1) and (2:1:1). Data were analyzed using ANOVA. Further treatment testing was continued with DMRT at a test level of 5%. The results of the experiment showed no interaction between the type of natural PGR and the composition of the planting media. The best treatment of PGR types was in shallot extract and banana stem extract. The best planting media composition treatment was at a ratio of 1:1:2.*

**Keywords:** *Mother-in-law's Tongue, Natural PGR, Planting Media*