

**THE EFFECT OF PLANTING MEDIA WASTE OF TEA, RICE HUSK,
AND HUSK CHARCOAL ON THE GROWTH OF
SEEDS VANILLA (*Vanilla planifolia Andrews*)**

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ABSTRACT

This study aims to determine the effect of the composition of the planting media of tea waste, rice husks, and husk charcoal on vanilla (*Vanilla planifolia Andrews*) nurseries, know the best treatment media for vanilla nurseries (*Vanilla planifolia Andrews*). This research was conducted from January to March 2020. This study used a randomized block design (RBD) with four treatments and six replications. The treatments included media topsoil + sand (M1), media topsoil + sand + tea waste (M2), media topsoil + sand + rice husk (M3), media topsoil + sand + husk charcoal (M4). Parameters observed were percentage (%) of live cuttings, shoot length (cm), number of leaves (strands), number of internodes, and root length (cm). Data were analyzed by ANOVA at the 5% level, if they showed significantly different results followed by the LSD (Least Significant Difference) continued test. The results showed that the use of tea waste, rice husks, and husk charcoal as a medium for growing vanilla seedlings produced the best growth in percentage of live cuttings and root length (cm). Good media for the growth of vanilla seeds are top soil + sand, top soil + sand + tea waste, and top soil + sand + rice husk.

Keywords: growing media, tea waste, vanilla, rice husk, cuttings