

**THE EFFECT OF PLANT MEDIA COMPOSITION
ON THE GROWTH OF VANILLA SEEDS
(*Vanilla planifolia* Andrews)**

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ABSTRACT

*The aims of this study was to The Effect of Planting Media Composition on the Growth of Vanilla (*Vanilla planifolia* Andrews) Seedlings. This research was carried out from October 2022 to February 2023 at the Collection Garden, Jember State Polytechnic at an altitude of ± 89 m asl, using a randomized group design (RAK) consisting of 6 treatments. The treatments for each were: M1 = Topsoil + Sand + Manure (1:1:1) M2 = Topsoil + Sand (1:1) M3 = Topsoil + Manure (2:1) M4 = Topsoil + Manure + Copeat (2:2:1) M5 = Top soil + Manure + Husk Charcoal (1:1:1) M6 = Top soil + Manure + Wood Charcoal (2:2:1). Observations were analyzed using Analysis of variance (ANOVA), and further tested using 5% Orthogonal Contrast. The results obtained from this study of the composition of the planting medium had a significant effect on the M5 and M6 treatments. on the parameter number of leaves (strands) Week 4 where in the Follow-Up Contrast Test had a significant effect on both.*

Keywords: Growing Media, Vanilla Plant.