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**ABSTRACTS
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Investigation of the Most Suitable Growing Media Combination to enhance Flowering Performance of Sri Lankan Lady Jane Hybrid Variety 'Lalani'

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ABSTRACT

The study was conducted with the aim of determining the most suitable growing media combination for enhancing the growth of *Anthurium andraeanum* var. 'Lalani'. Eight different pot types and growing media combinations were selected as treatments, i.e., T1M1- Plastic pot filled with leaf mold-2 parts+cattle manure-1 part+sand-1/2 part+brick pieces-1/4 part+charcoal-1/4 part of growing media, T2M1- Net plastic pot filled with leaf mold-2 parts+cattle manure-1 part+sand-1/2 part+brick pieces-1/4 part+charcoal-1/4 part of growing media, T3M1- Clay pot filled with leaf mold-2 parts+cattle manure-1 part+sand-1/2 part+brick pieces-1/4 part+charcoal-1/4 part of growing media, T4M1- Cement pot filled with leaf mold-2 parts+cattle manure-1 part+sand-1/2 part+brick pieces-1/4 part+charcoal-1/4 part of growing media, T5M2- Plastic pot filled with coconut husk-1 part+gravel-1 part of growing media, T6M2- Net plastic pot filled with coconut husk-1 part+gravel-1 part of growing media, T7M2- Clay pot filled with coconut husk-1 part+gravel-1 part of growing media, T8M2- Cement pot filled with coconut husk-1 part+gravel-1 part of growing media. Randomly selected *Anthurium* plantlets were planted and kept for six months in a shade house. The experiment was laid out in a Completely Randomized Design combined with two factors (pot types and growing media) and the eight treatments randomized in ten replicates and data were collected on growth and flowering parameters. Six months old Lady Jane plants grown on Net plastic pot filled with coconut husk-1 part+gravel-1 part of growing media combination showed the best performance. Based on the study findings, the Net plastic pot filled with a combined of coconut husk-1 part+gravel-1 part of growing media and the Cement pot filled with a combination of coconut husk-1 part+gravel-1 part of growing media can be recommended as the most suitable pot type and growing media combination for enhancing the growth and flowering performance of *Anthurium andraeanum* var. 'Lalani'.

Keywords: *Anthurium* hybrid Lalani, growing media, pot type, growth and flowering performance