

**KESAN PENGGUNAAN MEDIA YANG BERBEZA KE ATAS PERTUMBUHAN  
KERATAN SUNGKAI (*Peronema canescens*)**

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**PROGRAMME: FOREST PLANTATION AND AGROFORESTRY**

**2017**

**ABSTRACT**

The objective of this research is to determine the best planting medium for Sungkai tree. This study is to understand the effect of different planting medium on the growth of the sungkai cuttings (*Peronema canescens*) which is carried out at the Nursery of Forestry Complex, Faculty of Science and Natural Resources (FSSA), Universiti Malaysia Sabah. There are four different types of planting medium that are being used in this research for determine the height, diameter and the number of leaves on Sungkai section 120 in the nursery. There are four different types of planting medium that are being used in this research. This research involved 4 types of treatments which are treatment T1 (100% topsoil), treatment T2 (100% vermicompost), T3 (50% of the land is: 50% vermicompost) and T4 (70% of topsoil: 30 % vermicompost). The research lasted for 12 week and the data are collected once every two weeks. The changes in height, diameter and number of leaves of 120 sungkai cuttings are recorded down as data. The collected data are analysed and undergo ANOVA analysis by using SPSS. The changes in height, diameter and the number of leaves showed significant difference ( $p < 0.01$ ). From the research done, we can conclude that treatment T4 (70% top soil: 30% vermicompost) is the most ideal planting medium for Sungkai tree as the top soil is organic and nutrient rich where vermicompost acts as an organic fertilizer which is easily absorbed by the plant which enables the sungkai tree to grow steadily.