

Differences in the Effect of Planting Media Using Art Glass Planting Techniques on the Growth of Green Betel (Philodendron hederaceum (Jacq.) Schott)Ornamental Plants

By:

**Via Sovianti
185040017**

Abstract

Green betel ornamental plant Philodendron hederaceum (Jacq.) Schott is a suitable plant to be planted using art glass planting. art glass planting is the cultivation of plants that are placed in transparent glass containers or see-through containers. Green betel ornamental plant growth is strongly influenced by the planting medium so that the problem that usually arises is the difficulty of determining the suitable planting medium for cultivating ornamental plants with art glass plating. So the researcher intends to conduct this study with the aim of knowing whether there are differences in the effect of various planting media on the growth of green betel ornamental plants using art glass planting. This study used a Randomized Block Design (RAK) which consisted of 7 treatments, namely K0 water planting media, T1 gravel, T2 broken bricks, T3 beach sand, T4 poor sand, T5 pukcapedia latest media, and T6 hydrogel with type nutrient administration. A, B, C and pesticides in each treatment. The results showed that the parameters of root length and number of shoots had a significant difference in influence. While on the parameters of stem height and number of leaves there is no significant difference in effect. The parameters of root length and number of leaves showed the best results, namely the T2 treatment of broken bricks with the provision of nutrients Type A, B, C and pesticides. In the stem height parameter, the treatment that showed the best results was the K0 treatment of water media with the provision of nutrients Type A, B, C and pesticides. In the parameter of the number of shoots the treatment that showed the best results was the poor sand T4 treatment with the provision of nutrients Type A, B, C and pesticides.

Keywords: *Growth of Green Betel Ornamental Plants, Growing Media, Art Glass Planting*