九芎植生木樁之生長與根系力學之研究

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關鍵詞:九芎、植生木椿、剪力增強、根系。

The Growth and Root Strength of Lagerstroemia subcostata Vegetation Stake

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ABSTRACT The Lagerstroemia subcostata vegetation stake is the most important and often used plant material of the staking and wattling method in Taiwan. Their planting datum was collected from the nethouse, experimental area and the Nantou Puli No.96 landslide area. The relationship between the stake's sprout rate, growth of dry materials and the root tensile strength were discussed by correlating analysis, regression and Chi-square test methods. Besides this, the root shear strength of vegetation stake was also estimated under different growth conditions. The obtained results are useful for any researchers looking to understand the advantages of the staking and wattling method.

Key Words: Lagerstroemia subcostata, vegetation stake, shear strength, root system.

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