

# **KAJIAN TABUNG KARBON DI KAWASAN BUKIT RIMAU, LONG PASIA, SIPITANG**

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## **ABSTRACT**

This study was conducted to determine the carbon pools that count in the elements of carbon content in organic layer, shrub layer and soil organic carbon. The study located at Bukit Rimau area included the lower montane forest and upper montane forest. The amount of carbon pool is influenced by several factors such as the vegetation, elevation and surrounding temperature. Besides, this study shows that the carbon pool at the undisturbed forest is higher than the disturbed forest. Therefore, there are four chosen plot with the area of 30 m x 30 m which consist of three subplots respectively. Random sampling method was used while determining the plot area. Sampling of organic layer and shrub layer is same which is by measuring 1 m x 1 m in the subplot. While, for soil sampling has been taken for the depthness of 0-30 cm. Soil bulk density is determine by using the undisturbed soil into a metal cylinder with volume of 100 cm<sup>3</sup>. Total amount of the carbon pools at the lower montane is 180.54 tan C ha<sup>-1</sup> while at the upper montane forest is 190.97 tan C ha<sup>-1</sup>.