

[ENV05]

**The determination of  $^{230}\text{Th}$  in the sediments: sedimentation in matang mangrove forest, Taiping, Perak**

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Further studies of the Matang Mangrove Forest were carried out to determine the sedimentation rate. Four cores were extracted from two different locations and were labeled as 1A, 1B and 2A, 2B for this project. Sedimentation rate was determined by using  $^{230}\text{Th}_{\text{excess}}$  method. Results shows that the sedimentation rate of the Matang Mangrove Forest is 0.71 cm/yr for location 1 and as for location 2, it is 0.68 cm/yr. According to the results, we can determine the age of the Matang Mangrove Forests around 126 years to 134 years. These indicate that the mangrove forests are still at its early stage.