

FLOOD MITIGATION AT SUNGAI BATU ASAH, LANGKAWI

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ABSTRACT

This is study on flood mitigation work on Batu Asah catchment, which has frequently suffered from flood in its history. The objective of this study is to present possible solutions to mitigate flood problems in the area. Using HEC-1 and HEC-2, the optimal size of a flood control system can be estimated using the optimization procedure provided by HEC-1. The option utilizes data provided for the economic assessment option together with data on flood control projects costs to determine a system which maximizes net benefits with or without a specified degree of protection level for the components. The method selected to overcome the flooding problem is deepening and widening of the Batu Asah River. But this has been a pre-feasibility study to examine options in a broad sense and to establish a basis for further investigation. A detailed design study is needed.

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