

CAUSES AND RECOMMENDATION FOR PREVENTIVE MEASURE OF THE MUDSLIDE AT PUTRA HEIGHTS

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ABSTRACT

This report investigates the causes of the mudslide that happened in Putra Heights Subang Jaya. The causes that are being investigated are the rainfall induced mudslide and the faulty slope design during the planning of the works. The software Slope/W will be used to carry out the computer simulation in order to obtain the factor of safety for the slope due to their respective condition.

Recommendations for preventive measures will be discussed in this project. The usage of backfill method, sheet pile wall, and geotextile reinforcement will be analyzed to identify the most suitable method to be applied on site. Cost of each method will be analyzed and calculated to provide a deeper knowledge on the feasibility of each method.