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**CHARACTERISING INTERBEDDED SEDIMENTARY ROCK MASS USING
ELECTRICAL RESISTIVITY IMAGING IN PUNCAK ALAM, SELANGOR**

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ABSTRACT

This paper illustrates the result of rock mass investigation and electrical resistivity survey on a selected site at Puncak Alam, Selangor. The purpose of this study is to characterize the rock mass of interbedded sedimentary with regards to the rock type and weathering classification. To achieve the objectives direct rock mass investigation including engineering geological mapping and physical index test on the rock surface followed by field electrical resistivity measurement was carried out at a cut slope of a rock mass. Results are presented in qualitative and quantitative form. Analysis on the correlated

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resistivity image and actual profile of the subsurface shows a relationship between resistivity and rock types and also between resistivity and weathering classification. Preliminary resistivity index of this rock mass with respect to weathering grade are also proposed.

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