

Influence of discontinuity sets on slope failures at Pos Selim Highway, Malaysia

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The types of discontinuity of studied slopes are joints and foliations. The discontinuity sets in all the locations have maximum pole intensity of more than 8%. Several sets of discontinuities are recorded at each location. The stereographic plot of the discontinuities set revealed that most of the rock slopes have the potential to fail in the mode of wedge, planar and toppling, as well as the combination of more than one mode of failure. Potential wedge failure is found at seven locations, potential planar failure at five locations and potential toppling at four locations.
