NUMERICAL SIMULATION FROM DEBRIS FLOW PROFILE

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ABSTRACT

Lava mudlow is a set of mud which contains chunks comes from volcano activies of mass flow mix with water and other materials in many size. This is one of the example of debris flow. Debris flow is often happened cause of erosion on base canal. This research was conducted to fet debris flow appearance comes from erosion in base canal on declivity, froude number and a from of pile canal influence by eart gravity with boundary integral technique numerical integration of gauss quadratur. This result of this observation show that the sloping corner is very influence to profile of debris flow, so the influence of froude number is very little.

Keyword : debris flow, Boundary Integral Technique, and gauss quadratur.