

**DISASTER MITIGATION OF SOIL AND/OR ROCKS MASS MOVEMENT
IN NGROTO SUB-VILLAGE, PENDOWOREJO VILLAGE,
GIRIMULYO SUB-DISTRICT, KULON PROGO DISTRICT,
SPECIAL REGION OF JOGJAKARTA**

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ABSTRACT

This reasearch is located in Ngroto sub-village, Pendoworejo Village, Girimulyo sub- District, Kulon Progo District, Special Region of Yogyakarta. This research area is Pendoworejo Village, with an area of approximately 18,36 Ha. This research aim to dtermine the type, the vulnerability, as well as disaster mitigation efforts made for soils and/or rocks mass movement in the research area.

The methods that used are survey, mapping, weighting, and scoring. Research is done several stages consist of preparation, field work, evaluation, and compilation of the report. The data obtained were primary data and secondary data. Mapping method of soils and/or rocks mass movement hazard zone used indirect mapping, direct mapping and goal mapping.

Based on the result of soil and/or rocks mass movement hazard zone in goal mapping, the research area is divided into two zones. That are intermediate vulnerable zone (5,28 Ha) or 28,31%, and high vulnerable zone (13,35 Ha) or 71,69%. Distribution of soils and/or rocks mass movement incident in the research area, there is 1 point with 1 kind/type that is transalation type. Disaster mitigation efforts made for soil and/or rocks mass movement in the research area by applying technique and vegetatif engineering, with change the geometry of slope, the retaining dike, covered crack in the land, make the drainage surface and subsurface, and reparation slope for high vulnerable zone.

Keywords : Mitigation, Disaster, Soils and/or rocks mass movement