

**MITIGASI BENCANA BERBASIS MASYARAKAT  
PADA DAERAH RAWAN LONGSOR DI DESA KALITLAGA  
KECAMATAN PAGENTAN KABUPATEN BANJARNEGARA  
PROPINSI JAWA TENGAH**

**Ranto Parlindungan Rajagukguk**  
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**ABSTRACT**

This research was carried out due to the occurrence of mass movement in Kalitlaga Village Pagentan Sub-District Banjarnegara District, one of most dangerous area to mass movement in Province Central Java. Such movement resulted in the damaged of several houses and road.

This research was conducted to know and identify direction and type of mass movement, to know triggering parameters and the cause of mass movement in order to provide an appropriate disaster mitigation recommendation and prevention method also to introduced low cost early warning system base on community, so that community can prepare and operate the early warning system in order to lessening disaster risk. Needed to data [is] this research [is] secondary data and primary data pursuant to research or investigation in field. Research method conducted by analyzed result of investigation of field. To know community understanding percentage concerning disaster mitigations, mass movement and early warning system conducted by using SPSS software aid.

The result of research shows dominant direction movement to north east with slump type movement. To the number of leaky water pipe and infiltrations into ground induces the mass movement. This movement is because of geological factor such as by geomorphology factor and existence of clay stone as well as high rainfall factor. Low of understanding of society on disaster mitigation represent reason to install simple and cheap early warning system community based disaster mitigation. Community based Disaster Mitigation is easier to be executed in comparison to disaster mitigation base on technology. Community based disaster will be more appropriate before coming of disaster. Community participation and also support from government represent key efficacy of disaster mitigation.

**Keywords :**

*mass movement, disaster management, disaster mitigation, early warning system, community based.*