

***ENVIRONMENTAL AND DISASTER RISK ANALYSIS OF SOIL AND/OR ROCK
MASS MOVEMENT IN SUBDISTRICT OF CANDIPURO, REGENCY OF
LUMAJANG, PROVINCE OF EAST JAVA***

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Abstract

This research located in Sub-District of Candipuro, Regency of Lumajang, Province of East Java. Location of Candipuro on Mount Semeru slope makes the Subdistrict of Candipuro have a hazard of Soil and/or Rock Mass Movement Disaster. This research only related to environmental and disaster risk of soil and/or rock mass movement. Research aims to know the hazard, the vulnerability and capacity existing, so it can assess the risk and provide recommendation for the reduction.

The method in Environmental and Disaster Risk Analysis of Soil and/or Rock Mass Movement in Subdistrict of Candipuro, Regency of Lumajang, Province of East Java research used survey, interview, overlay, and scoring with quantitative descriptive analysis for each of disaster parameter. This research refer to BNPB Chief Regulation Number 02 in 2012.

Based on evaluation result, subdistrict of Candipuro, regency of Lumajang, province of East Java have a level of Environmental and Disaster Risk Analysis of Soil and/or Rock Mass Movement from moderate to high risk. East region of Candipuro subdistrict have moderate risk level, while in west region have high risk level. Management for risk factor reduction can be carried out with regard to ecological aspects, aspect of social, economy, culture, and aspect of protection.

Keyword : risk analysis, soil and/or rock mass movement