

# **KAJIAN DAN PENANGGULANGAN BENCANA ALAM TANAH LONGSOR DI KECAMATAN LUMBIR KABUPATEN BANYUMAS**

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## **ABSTRACT**

Most of area in Lumbir subdistrict has formed of variation tuffaceous sandstone and claystone of Formation Halang. The types of slope have from moderately to steeply, with result landslides potentially that occur in rainy season easily. There are so many therefore, potential landslides in this area will be on development of public area limits land. Meantime, relocation efforts frequent undergo frost or detention. On behalf of needs study toward its and handling so that consequence is held for minimizing effects of disaster landslide.

This research with some methods uses like laboratory observation (thematic map interpretation) and field observation (measurement and observation). Computer tool and GIS software also used to analyzing data. The result of this research shows that environmental conditions likes so are influenced developing of occurrence physical properties of soil and rock, geologic structures, hydrogeology, climatology and form and land use by landslide. There are four types of landslides in this area, namely fall, slide, slumps and creep. Each of them has different mechanism and character.

The character of landslides by also influenced dynamic and static factors that interact each other Land use for settlement, rice field, plantation and mixture plantation wich lay in hight to middle zone of landslide require to get the first priority in landslide and handling natural disaster in the location. In addition, it is so many ways to handle landslides likes physically, mechanically, chemically and bioengineering or the combination among of them. These could be adjusted with reasonable of the type and mechanism landslides and considering the availability of material, the usage of handling simple and applicable technology and low cost handling for local people.

**Keyword:** landslide, character and handling efforts.