THE ANALYSIS OF THE LANDSLIDE VULNERABILITY SUB WATERSHEDS ARUS IN BANYUMAS REGENCY

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Abstract	Landslide vulnerability is affected by several factors including the condition of the geology, geomorphology, soils, and land use. The purpose of this research is to examine landslide Vulnerability class by using synthetic geomorphological approach in the research area. Survey research method was use which includes field work and laboratory work. Field work intended for the mapping landslide of area, measurement and observation of the land characteristics. Laboratory work is aimed at analyzing the soil texture. The data of the field work and the laboratory are used to determine the landslide vulnerability class by using geographical information system technology. Landslide vulnerability class is analyzed by using 11 parameters. Data processing parameters of each land forms is done by giving values between the prone and not cartilage. The determination of the class prone determined how many parameters of value-prone. The results of the study show that the landslide vulnerability class research area is divided into two classes, namely medium and high vulnerability class. High vulnerability is dominating class with broad reaching 89.58% of the total area. A class of high vulnerability dominates due to various reasons including geological conditions i.e. all areas with sloping rocks of structure bedded with a slope of more than 10 degrees, and arranged Halang and Tapak rock formations.
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