



WEBGIS BASED POVERTY LEVEL ANALYSIS (CASE STUDY OF WONOSARI SUB-DISTRICT BOALEMO REGENCY)

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ABSTRACT

Information on household poverty level in Wonosari Sub-district area is still very difficult to access by all parties. Therefore, this study aims to analyze poverty level and map of the spatial distribution of webGIS-based poor households in the site area. In determining the number of samples, descriptive statistical analysis techniques focused on assessing and describing the poverty level of each household. GIS analysis used GIS Application 2.18 to map the spatial distribution of poor households and regional poverty levels. GIS Application has been equipped with 2 web tools that are able to display webGIS-based maps. The results shows that the poverty level of households is in the poor category with a percentage of 72% of households, 14% of households are in the extremely poor category and 14% are in the fairly poor category. and 1 village is in a fairly poor category. This is a village that was built with a view that can be accessed by various PCs, laptops and android media so that the maps information from an analysis of household poverty levels and the spatial distribution of poor households can be accessed on the webGIS that has been built.

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1. Introduction

The problem of poverty has always been an issue and discussion for people from all walks of life. The state of the country's economy which has not improved, has an impact on the problem of poverty which requires more serious attention. In this case the government and the community have the obligation and responsibility to overcome the poverty that occurs in the entire territory of the Unitary State of the Republic of Indonesia. The household poverty perspective, which is found in several provinces, districts, sub-districts and villages in Indonesia, is one of the benchmarks in measuring household welfare. the problem of poverty in Indonesia has been described in the annual report of the world bank that Indonesia is in the order of nine countries with the highest percentage of poor people in the world (World Bank, 2015). The inability of someone or a group of people to economically meet the average standard of living of a community in an area will have an impact on increasing poverty. This condition of incompetence, characterized by low-income capacity in meeting all basic needs approaches (BPS, 2018).

Based on data at the Boalemo Regency Central Bureau of Statistics in 2018, it shows that the increase in the number of poor people in Boalemo Regency from 2014 - 2017 continues to experience tidal dynamics. This is shown by the percentage of poor people in Boalemo Regency from 2014 as many as 20.79%, 21.67% in 2015, 21.11% in 2016, and 21.85% in 2017. Wonosari Subdistrict is one of the sub-districts located in the Boalemo District, with astronomical location at 00°37' 14 " 00°5 '33' 'LU and 122°17' 16 ' - 122° 30' 16 'BT. The area of Wonosari District is ± 229.10 km² with a population of 26,422 people in 2017. The percentage of poor households in Wonosari Subdistrict is the second largest after Paguyaman Subdistrict with a number of poor households totaling 2,408 households. This number