

ABSTRACT

ENDANG SETIAWATI, Thesis 2022. *Distribution of Shallow Unconfined Aquifer Groundwater Quality to Meet Domestic Needs (Case Study in Muktisari Village, Langensari District, Banjar City) Geography Education Study Program. Siliwangi Tasikmalaya University Postgraduate Program. Under the guidance of Dr. Purwati Kuswarini S., M.Si and Dr. Ruli As'ari, M.Pd.*

This research aims to determine the distribution of the quality of dangkan soil water in Muktisari Village, the use of shallow soil water, and the efforts made by the community in using soil water in Muktisari Village. The object of this research is shallow groundwater (wells) in Muktisari Village, Langensari District, Banjar City. The subjects in this research were respondents who used shallow soil. This research was conducted using a qualitative descriptive method with a phenomenological approach. The data collection technique in this research is 5% random sampling from 2640 families, namely 132 families. The data analysis technique was carried out using Struges Scoring. The results of the research show that (1) the results of laboratory tests from 7 groundwater sampling points, there are 5 soil sample points, namely T1, T3, T4, T6, T7, which meet the quality standards for use, while 2 points, namely T2 and T5, do not meet the quality standards for use. This water quality standard standard for use is caused by the large number of coliform bacteria in the two wells. (2) people use shallow groundwater (wells) to meet their domestic needs, the research area is lowland with a height of 16 meters above sea level. This indicates the availability of abundant water throughout the year so that people's domestic needs are met. Domestic needs are basic household needs such as drinking, cooking, washing and bathing. (3) efforts made by the community to use ground water, namely by taking it using an electric water pump and then entering it into a water reservoir, while for turbid water by flowing well water into a tower then filtering it using a simple filter made using a bucket and containing media. filters in the form of gravel, sand, palm fiber and charcoal so that the need for clean water for daily use can be met, while the e-coli content in the water can be neutralized using chlorine and moringa leaves.

Keywords : *Distribution of Groundwater Quality to Meet Domestic Needs.*