

## **ABSTRACT**

### **PHSYCAL AND CHEMICAL WATER CONDITIONS AT WAY PANAS HOT SPRING IN MERAK BATIN VILLAGE SUBDISTRICT NATAR SOUTH LAMPUNG REGENCY IN 2013**

**By**

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Natural hot spring that is located in the Merak Batin Village can be used to maintain, improve, and recover the health of human body. Therefore, the Way Panas hot spring can be a natural alternative to be used by the people around it. This study is aimed at finding out: 1) the physical condition of the water, 2) the chemical condition of the water, 3) the quality of the water.

This study used descriptive method by using laboratory testing, observation, and documentation as data collecting technique. Meanwhile, data analysis technique uses scoring technique.

The results of the show that: 1) the physical condition of the water in the hot spring is in a relatively good condition by using the odor, the amount of dissolved substances (TDS), turbidity, taste, temperature, and color of water as parameters measured, 2) water chemical condition in Way Panas not in good enough result based on the score of the pH parameters, hardness, and chloride, 3) all samples show relatively the same result, that is water quality is clean enough, so that it is viable to be used for bathing purpose.

**Keywords:** physical condition, chemical condition, water quality, parameters.