

## **ABSTRACT**

Salt is the result obtained from drying sea water with sunlight and it is one of the staples that are often used in daily life, but salt farmers still have difficulty in choosing sea water to produce good quality salt, salt farmers make conventional measurements on each content or take sea water randomly without taking measurements on sea water.

This tool is made to accelerate and make the work of salt farmer easier to choose good sea water for production of salt with good quality. This tool utilizes a microcontroller that is connected to various sensors that are in accordance with good sea water indicators, such as temperature level, salt concentration and pH value. Then from the various indicators it is concluded whether the sea water will produce good salt or not.

The results of making Good sea water detecting device is expected to help salt farmers in the production of salt. so they know what kind of salt water produces salt with good quality with sea water content, pH: 6-9, Salt Level: 2.5-5.5 % and Temperature: 27°-32°C

**Keywords** : Salt, Microcontroller, pH, Temperature