

ABSTRACT

the need for energy is increasing along with technological advancements in the world, especially the need for electrical energy which is increasingly increasing. This has resulted in diminishing electrical energy sources. The world should have used alternative energy sources. Alternative energy is energy that can be recycled and will not run out

Salt water is an ionic compound consisting of positive ions and negative ions. The ions in salt water can produce electrical energy. Therefore, salt water can be used as an alternative energy source as a medium used to produce electrical energy sources. Salt water that is often found in everyday life is NaCl or commonly referred to as kitchen salt.

In this final project book discusses how the salt water media process can produce electrical currents. With a simple salt bridge made, it was tested how salt water media reacted with the electrode to produce electrical energy. This experiment uses 3 different electrodes are iron (Fe), aluminum (Al) and zinc (Zn). In each experiment combining 2 different electrodes, namely Zn and Al, Al and Fe electrodes and Fe and Zn. Current strength and voltage in this experiment are measured using a multimeter. The result of the experimental analysis is the electrode braking on the current strength and the voltage generated and the current and voltage value formula in the salt bridge experiment.

Keywords: salt water, electric, electrode, salt bridge