

## **ABTRACT**

Power of Surya (PLTS) is an electronics chain that consists of a solar cell, storage battery and the voltage or power controller. Each component has a task that is different but inter-related in power.

In this final project will be emphasized is that making a series of power controller. Power controller is a set of electronics as the flow of power from solar cells or to the load to the battery. This is a series of electronic compositions from the system's minimum microcontroller type of AVR and other series. Specifications of AVR microcontroller that is the type of in-use ATMEGA 8535.

This tool will be implemented in solar cells that are found in the laboratory control ration power. Series controller is a power center in the solar power. This series set out the resources, either to load or to the battery.