ABSTRAK

Judul : PEMANFAATAN EEPROM ARDUINO MEGA 2560 UNTUK MESIN SOLDER PCB OTOMATIS
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This research was conducted to create a system that can provide convenience in soldering on the PCB. This system is done by designing, making and also implementing system components which include the Arduino Mega 2560 microcontroller as a process controller for controlling the motion and writing data into the EEPROM and rereading the data in the EEPROM, the input is a Potentiometer, Push Button and Temperature Sensor, as output media in the form of Stepper Motor, LED, Buzzer, Solder, Servo Motor and LCD 16X2 as display information in the form of text, it is hoped this tool can be developed for a larger scale. And the ability of soldering is faster and has a high accuracy so that it can actually do the soldering effectively and precisely.

Keywords : Arduino Mega 2560, Potentiometer, Push Button, LCD 16X2, LED, Stepper Motor, EEPROM.