

ABSTRACT

The use of electrical energy is currently almost evenly distributed throughout Indonesia, resulting in the use of electrical energy for daily life which is often excessive, especially in the use of air conditioning in the room. now there are many projects like Arduino led light, indoor temperature controller, motor controller. Arduino consists of hardware in the form of an Arduino board and software in the form of an Arduino IDE (Integrated Development Environment). Arduino can be connected to a computer by USB. Once connected, we can write programs on arduino. The data from the Arduino coding results will be controlled into a dc motor to control the temperature in the room using the LM 35 temperature sensor. With the temperature sensor in the room it will be known that it is humid, cold, hot, cool. This tool can detect what the temperature is in cold conditions due to the use of air conditioning in the room so that this DC motor automatic control system knows between what the temperature of this room is in cold and hot conditions.

Keywords : *Arduino, Stepdown L 2956, Driver motor L298N,sensors LM 35, Motor DC*