

## ABSTRACT

DC voltage is a kind of a voltage that most wanted for a mankind consume because remember more a electronics device that needs this voltage

In this final project its desain and realize a device for make a voltage output constant, it's a powet supply with PWM Pulse Width Modulation ) method. The system that desain its application to get a output voltage will be constant up to get a maximumvoltage match with specification of device and component who theres. The system that desain used a control divice that a give a some instruction for make a all system. And a control system future will make a voltage output from power supply. For a references voltage or a input will make keypad with a reference voltage between 2 volt until 5 volts and used a microcontroller AY89C52 as a basic of maker in this system.

A System that desain and realize will give a screen voltage input and duty cycle in a LCD. For a output voltage will calculate with multimeters. This device will give a constants voltage outputs until get a maximum voltage.