

ABSTRACT

The development of means of transportation from time to time is always changing. Designing an electric bicycle is one of the efforts to get a more efficient means of transportation. The electric bicycle that will be designed in its application uses a DC motor 775 12V type, this type of motor was chosen because it compares the required voltage according to the power to be installed. There are 4 DC motors that will be implemented and connected to the bicycle gear using a bicycle chain. The driver used to rotate and adjust the speed of the motor uses an DC motor controller 60A 10-50V and a control system from a potentiometer to regulate the PWM of an electric bicycle system.

Keywords: DC motor 775 12V, gear, DC motor kontroler 60A 10-50V.