

## **ABSTRACT**

Along with the development of automotive technology, especially in the field of automotive electric car. One of the benefits of an electric car is an electric car produces no emissions because does not require fossil fuels as its main driving force. The technology is constantly evolving nature of the development of electric cars more efficient and optimal use.

By because it, in order to improve efficiency and optimize the function of the electric car made an electric car that moves using two BLDC motors are mounted directly on the wheel, to replace 1 main engine to drive the need for additional mechanical wheels. Methods to be used for the control of two motors are Fuzzy-PID.

In this final project has designed a control system for two BLDC motors with speed input from the accelerator and steering angle. With this system the speed of each wheel is set on each side and managed to increase the performance and efficiency of power usage of electric cars.

### **Keywords :**

Electric Car, Fuzzy-PID, BLDC