

## ABSTRAK

*At this time, transportation has become an important role for human needs in carrying out activities that require vehicles to move to the other places. In the development of an electric roller skate control system product using bluetooth, it aims to make short distance transportation that implements a drive system using an Arduino Nano as a microcontroller connected to an ESC (Electronic Speed Controller) as a DC motor control mounted on the rear wheel of one of a pair of roller skates and gets power from LiPo battery. As for the remote control system, there is a slider to change the speed value of the skates with system communication using the HC-05 bluetooth module.*

*Keywords: Control System, Drive System, Speed, Power, Communication System.*