

## ABSTRACT

---

*Accelerometer is a sensor used to measure acceleration, vibration, as well as to measure the acceleration due gravity of the earth. This sensor can also measure the tilt of an object because it have three axes X, Y, and Z. Along with the development of sensor technology has been installed on the mobile phone to the need to use features. Not only used for sms or call, mobile phone can be used to control a robot. Type of mobile phone that uses the Android operating system used. The connection between the two different platforms can be connected using Bluetooth. The wheeled robot controller, the application that was build just can send instructions to move manually by tilting the smartphone such as: move forward, backward, turn left, and turn right. Therefore, application can control a robot by using the accelerometer sensor on android smartphone by tilting towards the front, rear, laterally right and left laterally.*

*Keywords: Accelerometer, Control*