

ABSTRACT

Ateng Muhammad Marjan, 21118178

Prototype of mouse replacement gloves using Arduino pro micro controller

Scientific Writing. Computer System. Faculty of Computer Science and Information Technology. Gunadarma University. 2021

Keywords: *Accelerometer*, Arduino, Flex, Glove, Mouse, *Prototype*

(xii+25+Attachment)

Computer are the most widely used devices at this time. The mouse is a computer support device, and users often feel pain in the wrist or wrist that darkens when using the mouse for long periods of time. This study aims to make a mouse replacement device by utilizing the accelerometer sensor or MPU6050 and supported by the Arduino pro micro microcontroller. Based on the test results MPU6050 is able to detect changes in gravity given by the hand and can move the pointer on the monitor layer. The flex sensor works at a bend of 30° to 0° which functions as a right click and left click. The result of this process is the movement of the pointer on the computer screen that can perform right click and left click commands.

Bibliography (2010-2020)