ABSTRACT

Brake lining is very important to monitor because it is a factor behind the reduced speed of the vehicle when walking. Nowadays technology has become increasingly sophisticated where now the era of the internet makes it easier for humans to do things. This can be used in brake shoes, which is connected with internet-based technology. Therefore this final project makes the detection of IoT-based motorbike detectors, so as to make it easier for motorists in changing brake pads that have reached their limits

The solution offered is by making a tool that can read the thickness value of the canvas using a potentiometer sensor, which is connected to nodeMCU which is sent to the blynk application on a smartphone that is connected to the internet. So that when the kampas value has reached the maximum limit for change, a notification will appear on the motorbike's smartphone.

The test results on the Blynk application have the output of the final value of 610, the value is obtained from the range 0-1023 .. If converted to the application Blynk the value of "614" is obtained based on multiplication of 60% * 1024. So that in the application, when the value is <614, the smartphone screen displays a notification to make a change of canvas, if the value is> 614, then the smartphone screen displays a notification that the canvas is still safe or not yet replaced

Keywords : *Canvas, blynk,IoT,nodeMCU,smartphone*