

ABSTRACT

In its development the internet can be used to communicate objects around us through internet network. This concept is called Internet of Things (IoT). This IoT concept can be applied to learning at school or campus. D3 Telecommunication Engineering adds courses and lab workshop of Internet of Things as learning media for students. Since IoT Lab Workshop is one of the new subjects in D3 of Telecommunication Engineering, there is still a lack of supporting facilities in IoT Lab Workshop.

To resolve the above problems, Then made a web interface in implementing IoT Web Server as a learning media on the workshop IoT Workshop. This web interface is used to monitor data transmitted by sensors through oracle databases and controlling tools in the form of relays or LEDs.

The test results show, on functionality testing, all functions are running as they should. This final project produces a web interface that is integrated with IoT Web Server. Then, on qualitative testing (questionnaire) it was found that the qualitative calculation has an average value of 3.95 from a scale of 1-5. Can be concluded that according to web questionnaire score is quite good.

Keywords: IoT, Monitoring, Controlling, Interface Web