

ABSTRACT

The classroom is one of the rooms to be aware of where the space used in the process of teaching and learning. One of the things that can interfere with the process of teaching and learning is the increase in temperature in the classroom that allows a reduced concentration on students or lecturers. The system of monitoring the performance of the fan could be one solution to monitor and control the performance of the fan in the classroom in order to maintain a sense of comfort, and minimize the occurrence of room temperature rise class.

In order to overcome these problems, then created application performance monitoring system of fan in the classroom based on PWM method in the form of a website. This web application used for monitoring the performance of the fan and temperature classes either most recent data or current data as well as data on some old data originating from localhost mysql databases stored on web servers and perform the opening system so that the fan can be used.

The test results showed all the functionality for functionality has been running good for showing the most recent data on the pop-up page home page, display the data based on the specified time vulnerable either numeric or graphic on the page history and for other functions. And the application is already integrated in the tool through firebase so can be interconnected.

Keyword: internet of things, monitoring, controlling, website