DESIGN AND CONSTRUCTION OF AIR POLLUTION WARNING SYSTEM USING TWITTER MEDIA

Rizki Dwi Pramudya
Electrical Engineering Study Program, Faculty of Science and Technology
University of Technology Yogyakarta
Jl. Ringroad Utara Jombor Sleman Yogyakarta
E-mail : Rizkipramudya217@gmail.com

ABSTRACT

Currently the air pollution that is felt is air pollution caused by cigarette smoke or CO gas. Cigarette smoke makes the surrounding temperature hot and uncomfortable and even has a negative impact on health. Based on the research background that has been explained, the formulation of the problem in this study is how to design an air pollution warning system using Twitter media. In order to complete the Design of an Air Pollution Warning System Using Twitter Media, the authors have conducted research based on methods that have been carried out in stages and planned. It starts with secondary research then proposal design, system design, and ends with making research report manuscripts. Twitter can be used to communicate with other applications or can exchange data or this feature is commonly called an API (Application Programming Interface). There is a time difference or delay in the graphic display and serial monitor, but as a whole the system is able to carry out the functions of the air quality reading process, displaying data graphs and downloading tweets on the twitter application. Further research can add solar cell features for energy sources because the sensor and nodeMCU do not consume too much voltage. Further research can develop by adding sensors to read the content of NH3 and NO2 to make it more complete for air quality readings.

Keywords*: Twitter, Cigarette smoke, Air Quality, Upload.*