

Abstract

The population density may cause some environmental problems in the area. One of the the problem generated is air pollution caused by vehicle emissions and smoke factories that is improving. Levels of air pollution can be seen using a tool made specifically for measuring air quality. Like gauges that have been applied in several places in the city of Bandung, but those tools rated less flexible because the information can only be seen in the place of the meter is placed.

With the growing of technology now, this can be helped by iot of that is applied to a measuring instrument that are provided with some sensors measuring the air quality. The data received by the sensor is then processed with Raspberry Pi. The data will be kept stored in the database and displayed via the web and android applications.

Keywords: monitoring, air quality, temperature, humidity, arduino uno, internet of things