ABSTRACT

Fire is one of the tragedies that often cannot be predicted. Fires can cause material and immaterial losses. Fire disasters that occur in buildings and residential areas tend to increase every year. Fire is the second biggest disaster after flood. Some of the most common causes of fires in buildings and settlements include fuel connections, electrical short circuits, etc. From these problems, an Internet of Things-based fire information delivery system was created by using DHT22 as a temperature sensor in the room, Infrared KY-026 as a fire detection sensor and Global Positioning System (GPS) which functions to determine the location of fires and NodeMcu ESP8266 as a microcontroller. Data from the sensors will be sent to the IFTTT platform to be displayed digitally so that with this the authors hope that this research can make it easier for related parties to respond to fires so that they can be swift and responsive in handling fires

Keywords : DHT22, Fire, GPS, Infrared KY-026, IFTTT