

**DESCRIPTION ANALYSIS OF DATA FROM INTERNET OF THINGS (IoT)
BASED TEMPERATURE MEASUREMENTS FOR
COVID-19 PANDEMIC CONTROL**

by

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ABSTRACT

Currently, the tools used for measuring body temperature are often encountered, namely where in the process of checking temperatures like this there are obstacles or problems that occur, namely officers must be close to objects or people, which may increase the risk of being infected with the Covid 19 virus and will cause an increase in cases. the higher it is. Measurement of body temperature can be the basis for determining a person's level of health where increasing body temperature can be a temporary reference to find out whether a person is experiencing early symptoms of a disease. The purpose of this research is to make a non-contact body temperature detector based on Internet of Things (IoT) which will get temperature data in real time using the MLX90614 sensor as a temperature detector, Arduino as a microcontroller and the detected temperature data is stored in the database. Based on the results of this study, it can be concluded that a non-contact body temperature measuring device to minimize the spread of Covid 19 based on the internet of things (IoT) has been successfully created and can provide real-time body temperature information which then also obtains the average temperature of visitors from the results of descriptive statistical calculations. amounted to 36.3356.

Keywords : Internet of Things (IoT), Arduino uno, Sensor MLX90614, Descriptive Statistics