

ABSTRACT

At the end of 2019 the world was shocked by the outbreak of the COVID-19 (Coronavirus Disease 2019) outbreak. COVID-19 can cause mild symptoms including runny nose, sore throat, cough, and fever. This virus is generally spread through tiny droplets that are released when a person coughs or sneezes. The Corona virus started in the city of Wuhan, China's Hubei province which then spread throughout the world, including to Indonesia with the first 2 cases announced by the government on March 2, 2020. Various efforts have been made by the government, starting from the formation of the Task Force for the Acceleration of Handling COVID-19, issuing health protocols, implement social restrictions and others. However, these efforts have not effectively broken the chain of the spread of COVID-19. One of the factors is the difficulty of monitoring the location of each patient without symptoms (OTG) and people under monitoring (ODP), and the lack of tools to detect body temperature for OTG and ODP as it is known that the easiest way to see symptoms of COVID-19 is through temperature. body. Based on these problems, it is proposed to make a tool with the title "Prototype Bracelet Detecting Location and Body Temperature Against OTG and ODP for Handling the Arduino-Based COVID-19 Outbreak" and it is hoped that this tool will facilitate monitoring of body temperature and location of OTG and ODP in efforts to deal with COVID-19.

Keywords: COVID-19, temperature and location detection bracelet, IoT