

Rancang Bangun Bilik Desinfektan Pintar Sebagai Penggiat 3M Di Masa Pandemi Covid-19

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ABSTRACT

During the Covid-19 pandemic, many factors may influence the increasing positive cases, namely the lack of public awareness to increase 3M (maintaining distance, washing hands, & wearing masks). During the Covid-19 pandemic, all people must keep each other clean to avoid the outbreak. The Indonesian government also appeals to the public to overcome this epidemic so that it runs effectively and efficiently. Therefore, the researchers aim to design a Smart Disinfectant Room for 3M Activists during the Covid-19 Pandemic, which encourages the public to comply with 3M in the current era. The tool aims to make it easier for people to activate 3M because this tool is equipped with several sensors such as the FC-51 IR Sensor and Ultrasonic Sensor. This sensor functions to create an automatic system in several features: washing hands, using soap, drying hands, and sprayer. Based on the author's research implementation, it is concluded that the data has 99% accuracy and 99% precision so that it can be concluded that this sensor has a high level of accuracy and precision because it is above 95% as a benchmark.

Keywords: *Covid-19; System automatic; Arduino Nano*