

ABSTRACT

Attime this, the application of health protocols over time has begun to loosen due to the saturation of the public with awareness of health protocols, this can increase exposure to the virus COVID-19 in Indonesia. One of the health protocols that are often ignored is awareness to self-sterilize.

The sterilization process that is commonly used is washing hands with soap or cleaning with hand sanitizer, but there are some public facilities implementing sanitation by spraying disinfectant on the human body, of course this method is not in accordance with the policies of the (World Health Organization) because it is dangerous.

In this final project, a will be designed Microcontroller-Based Automatic Sterilization Chamber where the use of UV rays can be used for the sterilization process, of course with the application of standard health protocols in Indonesia.

The results of the design of the Microcontroller-Based Automatic UV Sterilization Chamber are expected to minimize the spread of Covid 19, especially in public places.

Keywords: *Automatic Sterilization Chamber, UV rays, COVID-19, Public place, World Health Organization.*