

ABSTRACT

Wet sterilizer is supporting equipment in the medical world. Function of wet sterilizer is to sterilize medical equipment, using water media are heated to a temperature and time. If we are going to turn on a wet sterilizer is the first tool is pressed ON the heater works in conjunction with a temperature display which displays the temperature, then set the timer for 20 or 30 minutes. but these sterilizing timer starts running when the temperature has been reached on display sterilizing temperature is 100°C, it is generally because the microbes can die in a temperature of about 100°C and the temperature over time relative sterilizing can be maintained.

Instrument sterilizer is taken from the Hospital Dr. Haryoto Lumajang which was previously unused tools and can not be used as heater, timer and panel-panel is damaged, it is still used as a controller of the rotary switch and the analog thermostat temperature controller.

To be able to enable and increase the usability of the tool is the author improve the tool by replacing the damaged components, making the digital temperature controller, making the digital timer and temperature display and increase the use of seven segment display, for the selection of the time setting using the selection button 20 minutes or 30 minutes.

Of each measurement. average obtained from measurements with a stopwatch is 20 hours 30 minutes, errornya is 0.013%. while the temperature on the display pengukuran termometererrornya temperature compared to 1%. it is generally concluded that these tools are worth taking.

After the process of making and literature studies, planning, experimentation, testing, data collection, it was found that the modification of the wet sterilizer to facilitate the work of the operator.

Keywords: sterilizer, Temperature, Timer.