

ABSTRACT

Dry sterilizer Elitech the previous state is not functioning for use sterilization process, so that only stored in the warehouse at the Hospital Dr. Harjono Ponorogo. In addition, the system at this sterilizer before applying the manual because it's still made modifications equipped with temperature control and timer with a display on the instrument display.

This tool is modified by adding the temperature setting and timer with display seven segment display, which makes it easy modification in the use and monitoring of sterilization began working at the time.

Based on the results of measurements at a temperature of 125°C using a temperature calibrator is obtained that, an error of 0.352%. While the timer measurement tool using a handphone stopwatch obtained that at election time for dry sterilization of 10 minutes to 60 minutes has the largest error value at the time of the election within 10 minutes is equal to 0.14% with U_a 0.024. The smallest error values of 0.02% with U_a 0 at the election time of 50 minutes. As well as on the timing of ozone sterilization has the largest error value at the time of the election within 10 minutes is equal to 0.14% with U_a 0.024. The smallest error value when the election time of 25 minutes at 0.006% with U_a 0.002 .

Keywords: Sterilization, Timer, Temperature, Display.