

## ABSTRACT

The difference between the reel and pouch specifications results in different sterilization results, this disrupts the sterilization process. Therefore the researcher made a standardization program, identified and analyzed different reels and pouches on the autoclave steam sterilization program on temperature, sterilization time, drying time and chamber pressure. The design of the study uses experimental research methods. The research was carried out in the Central Sterilization Installation of Jember Lung Hospital from April to September 2018. The tools used were Steam Shinva 800L Autoclave, personal computer, recording documents and toolkit, while the materials used were Internal, External Indicators and 5 types of Reel and Pouch different. Data from the study were analyzed for variance and effectiveness index tests using Microsoft Excel and SPSS. The results showed that the reel and pouch specifications had an effect on temperature, sterilization time, drying time and chamber pressure, ie there was a real effect on the setting fabric parameters of the drying time variable, variable instrument setting parameters sterilizing temperature and pressure chamber. There are differences in the results of sterilization between reel and pouch with different specifications and provide the results of visual indicators with the highest average value (2.97) and the lowest value (2.41). Based on the parameter settings, namely the parameters of the fabric, instrument, rubber and liquid settings are recommended several combinations of sterilizing temperature (133 ° C, 132 ° C, 120 ° C, 120 ° C) sterilizing time (240,360,540,540 Second), drying time (720,840,840,960 Second) and pressure chamber (200,200,110,110 Kpa) according to the results of the study.

*Keywords : reel and pouch, parameter setting, steam autoclave*