

**COMPARISON OF CROSSMATCH EXAMINATION TUBES WITH  
INCUBATION USING WATERBATH AND INCUBATOR 37°C**

**Desya Sulastria Khaerunnisa  
P17334117047**

**ABSTRACT**

*Crossmatch is a procedure for cross-reacting blood components of donors and patients. The aim is to see if the blood from the donor matches the recipient (recipient). This is done to prevent hemolytic transfusion reactions. In some crossmatch checkpoints there are differences in the use of incubation tools, namely using a water bath and some use an incubator. In the two incubation devices, there are different conditions / situations where the waterbath is wet and the incubator is dry. This study aims to determine whether there are differences in crossmatch examination results with incubation using a water bath and incubator at 37°C. The research method used is descriptive comparative study by comparing the results of crossmatch examination incubated at 37 temperatures°C used a Waterbath and an incubator from 30 samples of students from the Health Analyst Department of the Health Polytechnic of the Ministry of Health in Bandung. The research data were processed statistically using the Mann-Whitney Test. The results obtained by the value of Sig. 1,000 (> 0.05). Thus it can be concluded that there is no significant difference in crossmatch examination of the tube method with incubation using waterbath and incubator 37°C.*

**Keywords:** *Crossmatch, Incubation, Waterbath, Incubator.*