

## **ABSTRACT**

### **THE EFFECTIVENESS TEST OF ANTISEPTIC ON PERINATOLOGY UNIT AT GENERAL HOSPITAL ABDUL MOELOEK**

**By**

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Antiseptic is a chemical compound used in the medical to kill microorganism on living tissue. However, poor storage may cause reduced effectiveness of antiseptic that can decrease the ability of antiseptic in killing microorganism. The purpose of this study was to determine the effectiveness of antiseptics used on Perinatology Unit General at Hospital Abdul Moeloek. The research method is an experimental laboratory. Samples were taken from the Perinatology Unit of General Hospital Abdul Moeloek during December 2012-January 2013. The effectiveness test using phenol coefficient test method using *Staphylococcus aureus*. The results showed povidone iodine, antiseptic "X", jerrycan alcohol, alcohol bottles, and alcohol poured on the container contain cotton has better effectiveness than phenol in killing *Staphylococcus aureus*. This is seen by the phenol coefficient 1,875 on antiseptic brand "X" (S1, S3, S4, S5, S6), alcohol bottles on the first floor, and alcohol in the container on the first floor. Antiseptic "X" (S2), jerrycan alcohol, alcohol bottles on the second floor, the alcohol in the container of cotton on the second floor, and povidone iodine can't be calculated because already killed *Staphylococcus aureus* in 5 minutes, which means more effective than phenol.

Keywords: antiseptic , phenol coefficient test