

ABSTRACT

Ade Novia Rezki. 2016. Comparison Power Kill Products Handsanitizer Gel Based Alcohol And Based Triclosan Againsts Bacteria Hand. Mentored By Dr. Hj. Mia Nurkanti, M.Kes. As Supervisor I And Drh. Nia Durdiani, M.Si. As Supervisor II.

The purpose of this research to know comparison the killed have as a base handsanitizer alcohol and triclosan againsts bacteria in hand. The methods used is kirby-bauer with the draft random complete design. The research did on June 2016. The media growth was nutrients in order bacterial can growth in there and take a paper disk already soaked in the petri cup that contains handsanitizer with the level of alcohol 70%, level of alcohol 52% and 0,01% triclosan then the level of alcohol 75% and 0,01% triclosan during 15 minutes. Then the media that has been planted bacteria and paper disk incubation during 2x24 hours. The result of research indicate that handsanitizer with the level of alcohol 70% able to killed streptococcus bacteria as big as 1.9 mm, staphylococcus 3,0 mm and pseudomonas aureginosa 0,4 mm. Handsanitizer with the level of alcohol 52% and triclosan 0,05% able to killed bacteria secherichia coli as big as 1,1 mm, bacteria streptococcus as big as 3,4 mm, bacteria staphylococcus aureus 1,2 mm, and bacteria pseudomonas aureginosa as big as 0,7 mm meanwhile handsanitizer with the level of alcohol 75% and triclosan 0,05% able to killed bacteria secherichia coli as big as 1,4 mm, bacteria streptococcus as big as 3,6 mm and bacteria staphylococcus aureus 0,8 mm. The effective handsanitizer to killed bacteria is handsanitizer with the level of alcohol 52% and triclosan 0,01%, but it is better to used handsanitizer with the level of alcohol 70% except safe and effective to killed bacteria.

Keyword : Methods Kirby-Bauer And RAL, Handsanitizer, Escherichia Coli, Streptococcus, Staphylococcus Aureus, Pseudomonas Aureginosa