EFEKTIVITAS SODIUM LAURYL SULPHATE (SLS) PADA PASTA GIGI SEBAGAI BAHAN ANTIMIKROBA TERHADAP S.MUTANS

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TOOTH PASTE

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ABSTRACT

Prevention of dental caries is still continuing, because the prevalency caries is high. There were many methods to prevent dental caries such as dental education, oral hygiene, and tooth brushing. Toothpaste is a paste used to clean and improve the aesthetis appearance and health of teeth. Most of toothpaste contain Sodium Lauryl Sulphate (SLS) as a detergen that helps to breakdown and dislodge food and bacteria in the mouth especially gram (+) bacteria.

The aim of this study was to investigate about Sodium Lauryl Sulphate against Streptococcus mutans in tooth paste for inhibition of the growth Streptococcus mutans. The sample was toothpastes that contained 1,5%, 2%, 2,5%, 3%, 3,5%, 4%, 4,5%, and 5% of SLS. The data obtained in this study was analyzed with Oneway Anova test, and the result of this study showed that there was a significant difference between basic paste with 1,5%, 2%, 2,5%, 3%, 3,5%, 4%, 4,5%, and 5% of SLS.

Key words: basic paste, SLS, S. mutans, zone of inhibition