ABSTRACT

Background. There are many plants in our planet that have advantages to solve health problem such as caries. There are garlic and onion that have antibacterial effect on Streptococcus mutans. Garlic and Onion have antibacterial effect because both of them have allicin. This compound exhibits antibacterial and anti-fungal properties. However, onion has another antibacterial too, flavonoid (especially quercetin). Purpose. This aim of this study was to know the difference antibacterial effect between garlic extract and onion extract on Streptococcus mutans. Method. Garlic and onion extract used maceration. Maceration refers to soaking or steeping a substance so that it softens. This experimental used agar diffusion method too. Agar diffusion method is a means of measuring the effect of an antimicrobial agent against bacteria grown in culture. Results There was differential antibacterial between garlic extract and onion extract on Streptococcus mutans. Conclusion. Garlic extract has more antibacterial effect on Streptococcus mutans than Onion.

Keywords: antibacterial, garlic, onion.