EFEKTIFITAS DAYA PEMBERSIH KAVITAS CHLORHEXIDINE GLUCONATE 2% DAN SAPONIN EKSTRAK KULIT MANGGIS
(Garcinia mangostana Linn.)

THE EFFECTIVITY OF CAVITY CLEANSER CHLORHEXIDINE GLUCONATE 2% AND SAPONIN OF MANGOOSTEEN PEEL (Garcinia mangostana Linn.)

ABSTRACT

Background. Use of cavity cleanser is important before restorating the teeth to clean debris, residue of preparated dentine, blood, bacteri, collagen denaturated by teeth preparation. Nowadays, the cavity cleanser that people used still having shortcoming, one of which is the lack of ability to clean the root canal of the smear layer. Purpose. The purpose of this study is to prove difference of cavity cleaner between saponin of mangoosteen peel (Garcinia Mangostana L.) and chlorhexidine gluconate 2%. Method. Eighteen upper first premolar divided into 3 groups, each of them consist three tooth. Forming the preparation tooth cavity then group 1 using aquadest for control group, group 2 using chlorhexidine gluconate 2%, and group 3 using saponin of mangoosteen peel (Garcinia Mangostana L.). For rating cleanliness of the tooth cavity using a scale of cleanliness conducted under Scanning Electron Microscope. Result. There is a significant difference (p < 0.05) in the One-Way ANOVA parametric test dan pos hoc test between chlorhexidine gluconate 2% and saponin of mangoosteen peel to the cleanliness of the tooth cavity. Conclusion. Depend on the result of the research, it can be concluded that saponin of mangoosteen peel (Garcinia Mangostana L.) less effective for cleaning the tooth cavity than chlorhexidine gluconate 2%.

Keywords: Garcinia Mangostana Linn, Chlorhexidine gluconate, cavity cleanser, smear layer