

ABSTRACT

Background : propolis is a resinous bee product, has been shown to inhibit the growth of oral microorganism, so propolis used as a denture cleansing agent. The influence of propolis penetration on the acrylic is still unknown so that a research should be conducted. **Purpose** : to qualitatively asses the effect of penetration of propolis color on the acrylic. **Method** : five groups of sample i.e. group 1 (control) : plate of acrylic soaked in aquadest, group 2 : plate of acrylic soaked 8 hour in propolis, group 3 : plate of acrylic soaked 24 hour in propolis, group 4 : plate of acrylic soaked 48 hour in propolis, and group 5 : plate of acrylic soaked a week in propolis. **Result** : there was significant difference of control group compared to the other groups. The datas obtained are tabulated, then continue analized with one way Anova and Least Significant Difference (LSD). **Conclusion** : there was a significant penetration of propolis color in all groups. The result suggest that propolis should not use as denture cleansing agent.

Keywords : propolis, acrylic, penetration of propolis color