

**ABSTRACT**

**Background:** *The consumption of Citrus limon squeeze has increased because of there are many important for health. It can decrease cholesterol level, prevent cardiovascular disease, stroke, diabetes, thyroid disease and antioxidant effect. Recently, it have become popular, since peoples often consume it as mouth was. Another studies reported it caused dental erosion as the side effect.*

**Purpose:** *The aim of this study was to investigate the differences of enamel surface hardness reduction after contact with Citrus limon squeeze.*

**Method:** *Six of sample post-extracted incisive teeth soaked in Citrus limon squeeze 5 minutes a day until 14 days and 28 days. The microhardness of each sample is tested before and after contact with Citrus limon squeeze.*

**Result:** *There was significant difference the microhardness enamel between 14 days and 28 days contact. The data obtained are tabulated, then continue analyzed with paired samples correlations and paired samples test.*

**Conclusion:** *The application of Citrus limon squeeze in 14 days and 28 days decrease the microhardness of teeth enamel surface.*

**Key words:** *Citrus limon squeeze, enamel surface, microhardness*