

Pengaruh perendaman jus jeruk kemasan dan jus jeruk segar terhadap kekerasan email studi in vitro = The effect of immersions of the teeth in fresh orange juice and commercial orange juice to the enamel hardness in vitro study

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20368075&lokasi=lokal>

Abstrak

[Jus jeruk memiliki pH di bawah pH kritis email dan semakin mudah dikonsumsi dengan adanya bentuk kemasan. Tujuan: Mengetahui pengaruh lama perendaman dan jenis jus terhadap kekerasan email. Metode: 60 gigi premolar direndam di dalam jus jeruk segar dan kemasan (masing – masing n=30) selama 30 dan 60 menit. Hasil: Hasil analisis Repeated ANOVA, Friedman, Mann-Whitney dan Independent T-test, menunjukkan terjadinya penurunan kekerasan email yang bermakna ($p<0,05$) di setiap waktu pengukuran, serta gigi yang direndam jus jeruk kemasan penurunan kekerasan emailnya lebih besar ($p<0,05$). Kesimpulan: Penurunan kekerasan email dipengaruhi pH dan kandungan asam sitrat jus jeruk serta lama perendaman., Orange juice has pH below enamel critical pH and is getting easier to be consumed since commercial one is provided. Objective: to know effects of immersion time and juice types to enamel hardness. Method: 60 premolars were immersed in fresh orange juice and commercial one (each n=30) for 30 and 60 minutes. Result: Repeated ANOVA, Friedman, Mann-Whitney and Independent T-test results showed that enamel hardness decrease occurred ($p<0,05$) in every measurement time and commercial juice immersion had significantly greater enamel hardness decrease ($p<0,05$). Conclusion: enamel hardness decrease was affected by juice pH, juice citric acid concentration, and immersion time.]