

## Pengaruh perendaman dalam obat kumur terhadap transverse strength lempeng resin akrilik polimerisasi panas = Effect of immersion in mouthwash on the transverse strength of heat cured acrylic resin plate

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### Abstrak

[Penelitian ini bertujuan untuk mengetahui pengaruh perendaman dalam obat kumur tanpa dan mengandung alkohol terhadap transverse strength resin akrilik polimerisasi panas. Spesimen berupa lempeng direndam di dalam obat kumur mengandung alkohol, tanpa alkohol, atau akuades selama 12, 24, dan 36 jam. Transverse strength diperoleh dengan menggunakan metode three point bending. Uji statistik menyatakan tidak ada perbedaan transverse strength yang bermakna antara spesimen yang direndam di dalam larutan perendam untuk setiap waktu perendaman maupun antar waktu untuk setiap larutan perendam. Penggunaan obat kumur tanpa dan mengandung alkohol tidak menurunkan transverse strength basis gigi tiruan resin akrilik polimerisasi panas., The aim of this study was to know the effect of immersion in alcoholic and non alcoholic mouthwash on transverse strength of heat cured acrylic resin. Specimen plates were immersed in alcoholic mouthwash, non alcoholic mouthwash or aquadest for 12, 24, and 36 hours. Transverse strength was measured using universal testing machine. Result showed that there was no statistically difference among the transverse strength of specimens either between immersion solution for each immersion time or between immersion time for each solution. The use of either alcoholic or non alcoholic mouthwash will not decrease the transverse strength of heat cured acrylic resin denture base.]