

Pengaruh lama perendaman denture adhesive cream dalam akuades terhadap kuat rekat resin akrilik polimerisasi panas = Effect of immersion time of denture adhesive cream in distilled water to the adhesive strength of heat cured acrylic resin

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Abstrak

Penelitian ini bertujuan untuk mengetahui pengaruh lama perendaman denture adhesive cream terhadap kuat rekat resin akrilik polimerisasi panas. Krim pada plat akrilik direndam dalam akuades selama 15 detik, 30 detik, dan 60 detik, kemudian kuat rekat diukur dengan alat PASCO-Economy Force Sensor CI-6476. Uji analisis statistik menggunakan Anova one-way. Hasil penelitian menunjukkan Kuat rekat meningkat dengan $p < 0,05$ pada perendaman selama 15 detik dan 30 detik, sedangkan kuat rekat menurun dengan $p < 0,05$ pada perendaman selama 60 detik. Disimpulkan bahwa krim yang direndam dalam akuades lebih dari 30 detik tidak dapat meningkatkan kuat rekat resin akrilik polimerisasi panas.

The purpose of this study was to investigate the influence of immersion time of denture adhesive cream in distilled water to the acrylic resin's adhesive strength. Cream on acrylic plate was immersed in distilled water for 15 seconds, 30 seconds, and 60 seconds. Adhesive strength was measured by PASCO-Economy Force Sensor CI-6476. Statistic analysis using one-way ANOVA showed that adhesive strength were significantly increased after immersion in 15 seconds and 30 seconds, and significantly decreased after immersion in 60 seconds. It was concluded that denture adhesive cream couldn't increase the acrylic resin's adhesive strength after immersed more than 30 seconds.