

# Pengaruh besar tekanan dan lama waktu Scrubbing terhadap nilai kuat rekat geser Self Adhering Flowable Composite pada permukaan Dentin = effect of scrubbing pressure and duration on shear bond strength self adhering flowable composite to dentin

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Abstrak

**ABSTRAK**

Penelitian bertujuan mengetahui pengaruh besar tekanan dan lama scrubbing terhadap kuat rekat geser self adhering flowable composite pada dentin. Self adhering flowable composite diaplikasikan dengan tekanan scrubbing 1, 2, dan 3 gram masing-masing selama 15, 20, dan 25 detik. Resin komposit diaplikasikan secara inkremental. Polimerisasi dengan sinar selama 20 detik. Kuat rekat geser diuji menggunakan Testing Machine dan dianalisa dengan ANOVA diikuti Post Hoc Test Bonferroni. Daerah patahan diobservasi menggunakan SEM. Kuat rekat geser tertinggi pada tekanan scrubbing 3 gram selama 25 detik. Perbedaan besar tekanan dan waktu saat scrubbing mempengaruhi kuat rekat geser self adhering flowable composite pada dentin.

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**Abstract**

Effect of different scrubbing pressure and duration on shear bond strength of self adhering flowable composite to dentin was evaluated. Self adhering flowable composite was applied on dentin with 1, 2, and 3 grams pressure for 15, 20, and 25 seconds. Composite was constructed incrementally. Polymerization for 20 seconds. Shear bond strength was tested with a Testing Machine and analyzed by ANOVA and Bonferroni. Fractured area was observed with a SEM. The highest shear bond strength was obtained in 3 grams scrubbing pressure for 25 seconds. The different scrubbing pressure and duration influenced shear bond strength of self adhering flowable composite to dentin.