

Pengaruh ketebalan resin terhadap depth of cure resin komposit serat sebagai substruktur = The effect of resin thickness on depth of cure of fiber reinforced resin composite as substructure

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Abstrak

Penelitian ini bertujuan untuk mengetahui pengaruh ketebalan resin terhadap depth of cure resin komposit serat sebagai substruktur. Lima belas spesimen dibagi menjadi 3 kelompok ketebalan berbeda: 3, 4, dan 5 mm n=5 . Masing-masing spesimen disinari dengan iradiansi 800 mW/cm selama 20 detik. Hasil penelitian menunjukkan depth of cure kelompok 1 adalah 81 , kelompok 2 adalah 78 dan kelompok 3 adalah 34. Nilai tersebut berbeda bermakna secara statistik melalui uji One-way ANOVA dan Post-hoc. Games-Howell. Disimpulkan bahwa ketebalan mempengaruhi depth of cure resin komposit serat sebagai substruktur.

The aim of this study is to know the effect of resin thickness on the depth of cure of fiber reinforced resin composite as substructure. Fifteen specimens are divided into 3 different thickness groups 3, 4, and 5 mm n 5 . Each specimen was cured with irradiation of 800 mW cm for 20 seconds. The result showed the depth of cure of group 1 was 81 , group 2 78 and group 3 34. The result was significantly different using One way ANOVA and Games Howell Post hoc test. It was concluded that resin thickness has effect on the depth of cure of fiber reinforced resin composit as substructure.