Pengaruh Perendaman dalam Akuades terhadap Penyerapan dan Kelarutan Komposit Resin Nanofill Flowable dan Hybrid Flowable Giomer = Effect of Immersion in Distilled Water to Sorption and Solubility of Flowable Nanofill and Flowable Hybrid Giomer Resin Composite

Nabilla Puteri Trisira, author

Abstrak

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Latar Belakang: Dalam rongga mulut, komposit resin dapat menyerap sejumlah air yang dapat menyebabkan kelarutan. Penelitian ini bertujuan untuk menganalisis pengaruh perendaman dalam akuades terhadap penyerapan dan kelarutan komposit resin flowable nanofill dan flowable hybrid giomer. Metode: Jumlah spesimen 21 buah dari masing-masing komposit resin flowable nanofill Filtek Supreme Ultra Flowable Restorative dan flowable hybrid giomer Beautifil Flow Plus Giomer dibagi menjadi tiga kelompok perendaman yaitu 1 hari, 7 hari, dan 14 hari. Penyerapan dan kelarutan dihitung dengan menimbang berat spesimen sebelum dan setelah perendaman dalam akuades. Hasil: Terdapat perbedaan bermakna pada setiap kelompok perlakuan p.
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ABSTRACT
Backgorund In oral environment, resin composite can absorb amount of water which can lead to solubility. This study aims to analyze the effect of immersion in distilled water to sorption and solubility of flowable nanofill and flowable hybrid giomer resin composite. Methods Twenty two spesimens of each flowable nanofill Filtek Supreme Ultra Flowable Restorative and flowable hybrid giomer Beautifil Flow Plus Giomer were divided into three different immersion time, which were 1 day, 7 days, and 14 days. Sorption and solubility were calculated by weighing the spesimens before and after immersion in distillated water. Results There were significant differences between each groups p