Pengaruh perendaman dalam akuades terhadap kekasaran permukaan komposit resin flowable nanofill dan flowable hybrid giomer = Effect of immersion in distilled water to surface roughness of flowable nanofill and flowable hybrid giomer resin composite

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Abstrak

ABSTRAK
Penelitian ini bertujuan untuk menganalisis pengaruh perendaman dalam akuades terhadap kekasaran permukaan komposit resin flowable nanofill dan flowable hybrid giomer. Empat puluh dua spesimen dari komposit resin flowable nanofill Filtek Supreme Ultra Flowable Restorative n=21 dan flowable hybrid giomer Beautifil Flow Plus Giomer n=21 dibagi menjadi tiga kelompok perendaman: 1 hari,7 hari dan 14 hari. Nilai kekasaran permukaan sebelum dan sesudah perendaman diukur dengan surface roughness tester. Hasil menunjukkan bahwa terdapat perbedaan bermakna pada setiap kelompok perlakuan p0,05 . Disimpulkan perendaman 7 dan 14 hari dalam akuades dapat memengaruhi kekasaran permukaan komposit resin flowable nanofilled dan flowable hybrid giomer secara signifikan.
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ABSTRACT
This study aims to analyze the effect of immersion in distilled water to surface roughness of flowable nanofill and flowable hybrid giomer resin composite. Fourty two specimens of flowable nanofill Filtek Supreme Ultra Flowable Restorative n 21 and flowable hybrid giomer Beautifil Flow Plus Giomer n 21 resin composite were divided into three different immersion time groups 1 day, 7 days and 14 days. The surface roughness was measured before and after immersion by surface roughness tester. The result showed that there were significant differences between each group p0.05 . It can be concluded that 7 and 14 days immersion in distilled water has significant effect on surface roughness of flowable nanofill and flowable hybrid giomer resin composite.