

Pengaruh Aplikasi Gel Acidulated Phosphate Fluoride terhadap Perubahan Warna Resin Komposit Bulk-fill Flowable dalam Larutan Kopi = The Effect of Acidulated Phosphate Fluoride on Discoloration of Bulk-fill Flowable Composite Resin Immersed in Coffee

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Abstrak

Tujuan :Penelitian bertujuan untuk mengetahui pengaruh aplikasi gel acidulated phosphate fluoride terhadap perubahan warna material restoratif resin komposit bulk-fill flowable yang direndam dalam larutan kopi. Metode penelitian: Dua puluh spesimen resin komposit bulk-fill flowable berbentuk silinder berdiameter 6 mm dengan tebal 2 mm disiapkan kemudian dibagi menjadi 2 kelompok, dengan salah satu kelompok menerima aplikasi gel APF dan kelompok lainnya tidak. Setelah diberikan aplikasi gel, spesimen kemudian direndam di dalam larutan kopi (37oC) selama 7 hari. Pengukuran warna dilakukan dengan colorimeter pada saat sebelum perlakuan, setelah aplikasi gel APF dan setelah perendaman di dalam larutan kopi, kemudian dihitung nilai perubahan warnanya sesuai sistem CIE Lab. Analisis data menggunakan uji statistik Independent T-Test untuk menilai perbedaan perubahan warna antara kelompok dengan dan tanpa aplikasi gel APF. Hasil: Hasil menunjukkan kelompok yang menerima gel APF mengalami perubahan warna yang lebih besar ($p>0.05$) daripada kelompok tanpa gel APF.

Kesimpulan : Dari hasil penelitian, disimpulkan bahwa aplikasi gel APF memiliki pengaruh terhadap perubahan warna pada resin komposit bulk-fill flowable

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