

## Perbedaan peningkatan kekasaran email akibat penggunaan pasta gigi pemutih penelitian eksperimental laboratorik = Difference in increasing enamel roughness due to whitening toothpaste in vitro evaluation

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### Abstrak

Penggunaan pasta gigi pemutih mungkin memiliki efek samping. Penelitian bertujuan untuk mengetahui perubahan kekasaran email sesudah penyikatan dengan pasta gigi pemutih. 30 spesimen premolar dibagi menjadi tiga kelompok yang masing-masing disikat dengan Pepsodent Whitening, Formula Sparkling White dan Pepsodent Regular. Penyikatan secara in vitro dilakukan setara satu bulan dan tiga bulan. Pengukuran kekasaran email menggunakan surface roughness tester. Hasil penelitian menunjukkan peningkatan nilai kekasaran yang bermakna sesudah penyikatan setara satu bulan dan tiga bulan untuk ketiga kelompok pasta. Peningkatan kekasaran email tertinggi terdapat pada kelompok Pepsodent Whitening.

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Using whitening toothpaste may have side effect. The aim of this study was to assess the effect of whitening toothpaste on enamel roughness. 30 specimens of premolar were divided into three groups: Pepsodent Whitening, Formula Sparkling White and Pepsodent Regular. Toothbrushing were performed in vitro equal to 1 and 3 months. Surface roughness tester was used to determine enamel roughness. There were changes statistically significant in enamel roughness after 1 and 3 months-toothbrushing in all groups. Pepsodent Whitening significantly increased enamel roughness more than Formula Sparkling White and Pepsodent Regular.