Pengaruh penyikatan dengan pasta theobromine dan sodium monofluorophosphate terhadap ketahanan kekasaran permukaan email setelah demineralisasi = The influence of brusing with theobromine and sodium monofluorophosphate toothpaste on enamel surface roughness resistance after demineralization / Avika Intan Qasthari

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Abstrak

ABSTRAK
Penelitian bertujuan untuk mengetahui pengaruh penyikatan dengan pasta theobromine dan sodium monofluorophosphate (MFP) terhadap ketahanan kekasaran permukaan email setelah demineralisasi Coca-cola® 75 menit. Spesimen dibagi menjadi tiga kelompok; disikat dengan pasta theobromine, pasta MFP, dan tanpa pasta. Kekasaran permukaan diukur dengan Surface Roughness Tester Mitutoyo. Hasil dianalisis dengan uji Repeated ANOVA dan Oneway ANOVA. Kelompok theobromine dan MFP menunjukkan peningkatan kekasaran yang signifikan ($p<0,05$) setelah penyikatan. Setelah perendaman, kelompok theobromine menunjukkan peningkatan kekasaran terendah ($p>0,05$). Dapat disimpulkan penyikatan dengan pasta theobromine mampu mempertahankan kekasaran permukaan email setelah demineralisasi Coca-cola® namun perubahan kekasarannya tidak berbeda signifikan dibandingkan penyikatan dengan pasta MFP.
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ABSTRACT
The objective of this study was to determine the influence of brushing with theobromine and sodium monofluorophosphate toothpaste on enamel surface roughness resistance after demineralization in Coca-cola® 75 minutes. Specimens were divided into three groups; brushed with theobromine, sodium monofluorophosphate(MFP), and without toothpaste. Surface roughness were measured using Mitutoyo Surface Roughness Tester. Results were analyzed using Repeated ANOVA and Oneway ANOVA. Roughness of theobromine and MFP group were significantly increased ($p<0,05$) after brushing. After immersion, theobromine group showed the lowest increase in roughness ($p>0,05$). Brushing with theobromine can maintain email surface roughness after demineralization in Coca-cola® but not significantly different with brushing using MFP.