

Pengaruh pasta CPP-ACP terhadap kekerasan permukaan semen ionomer kaca saat perendaman dalam jus jeruk kemasan = The effect of CPP-ACP paste towards surface hardness of glass ionomer cement when immersed in orange juice

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Abstrak

Penelitian ini bertujuan untuk mengetahui pengaruh aplikasi pasta CPP-ACP terhadap kekerasan permukaan semen ionomer kaca saat perendaman dalam jus jeruk kemasan. Delapan belas spesimen semen ionomer kaca Fuji IX dibagi ke dalam tiga kelompok; tanpa CPP-ACP Kelompok A, dioleskan CPP-ACP selama 3 menit Kelompok B, dan dioleskan CPP-ACP selama 30 menit Kelompok C. Spesimen direndam dalam jus jeruk kemasan dan diuji kekerasannya menggunakan Vickers Hardness Tester. Data dianalisa menggunakan One-Way ANOVA.

This study aims to identify the effect of CPP ACP paste towards surface hardness of glass ionomer cement when immersed in orange juice. Eighteen specimens of Fuji IX Glass Ionomer Cement were divided into three groups without CPP ACP Group A, applied with CPP ACP for 3 minutes Group B, and applied with CPP ACP for 30 minutes Group C. Specimens were immersed in orange juice and tested for surface hardness using Vickers Hardness Tester. Data were analyzed using One Way ANOVA.