

## Perbandingan sealing ability tumpatan sementara berbasis zinc oxide eugenol dan non eugenol eksperimental laboratorik = Sealing ability of temporary filling based of zinc oxide eugenol and non eugenol

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### Abstrak

[Kontaminasi bakteri pada tumpatan sementara dapat menyebabkan kegagalan perawatan. Tujuan penelitian ini adalah untuk mengetahui perbandingan sealing ability tumpatan sementara berbasis zinc oxide eugenol dan non-eugenol. Dua puluh gigi premolar yang telah diekstraksi ditumpat 4 bahan tumpatan sementara zinc oxide yang berbeda lalu direndam selama 5 hari dalam methylene blue 1% dan diuji penetrasi pewarna dengan skoring menggunakan alat stereomikroskop Nikon SMZ800, Japan (perbesaran 63x). Hasil penelitian menunjukkan sealing ability pada tumpatan sementara zinc oxide non-eugenol lebih baik dibandingkan zinc oxide eugenol., Bacteria contamination on temporary filling can cause treatment failure. The aim of this study was to evaluate the sealing ability of zinc oxide eugenol and noneugenol based temporary filling by dye penetration test using scoring. Twenty extracted maxillary premolar were filled with 4 different temporary filling, then immersed in 1% methylene blue solution for 5 days and evaluated under stereomicroscope Nikon SMZ800, Japan (63x). Results showed that sealing ability of zinc oxide non-eugenol based temporary filling was better than temporary filling based of zinc oxide eugenol.]