

Perbandingan Daya Antibakteri Klorheksidin 2% dan Ekstrak Kulit Jeruk Lemon (*Citrus limon* L.) terhadap Biofilm *E. faecalis* dari Isolat Klinis = Comparison of Antibacterial Effectivity of Lemon Peel Extract and 2% Chlorhexidine Against *E. faecalis* Biofilm from Clinical Isolate

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Abstrak

Latar Belakang : *E. faecalis* merupakan bakteri yang mampu membentuk biofilm dan banyak ditemukan pada kasus kelainan periapiks. Tujuan : Mengetahui perbandingan daya antibakteri ekstrak kulit jeruk lemon (*Citrus limon* l.) dan klorheksidin 2% terhadap biofilm *E. faecalis* dari isolat klinis. Metode : Menilai kekeruhan larutan biofilm *E. faecalis* pasca pemaparan bahan uji, dengan ELISA reader. Hasil : Terdapat daya antibakteri ekstrak kulit jeruk lemon (*Citrus limon* l.) terhadap biofilm *E. faecalis* tetapi tidak terdapat perbedaan bermakna dengan klorheksidin 2% ($p>0.05$). Kesimpulan : Daya antibakteri ekstrak kulit jeruk lemon (*Citrus limon* l.) terhadap biofilm *E. faecalis* sebanding dengan klorheksidin 2%.

.....ackground : *E. faecalis* has the ability to form biofilm and is often found in cases of periapical lesions.

Aim: To compare the effectivity of lemon peel extract and 2% chlorhexidine against biofilm of *E. faecalis*.

Method : Score the turbidity of *E. faecalis* biofilm after immersion in antibacterial agent, with ELISA

reader. Result : Lemon peel extract has antibacterial effectivity against *E. faecalis* biofilm but has no significant difference compared to 2% chlorhexidine ($p>0.05$). Conclusion : Antibacterial effectivity of lemon peel extract against *E. faecalis* biofilm is equal to 2% chlorhexidine.