

**DAYA ANTIBAKTERI EKSTRAK DAUN KEDONDONG BANGKOK
(*Spondias dulcis* Forst.) TERHADAP BAKTERI *Enterococcus faecalis***

**(ANTIBACTERIAL POTENCY OF KEDONDONG BANGKOK LEAVES
EXTRACT (*Spondias dulcis* Forst.) AGAINST *Enterococcus faecalis*
BACTERIA)**

ABSTRACT

Background. The prevalence of endodontic infection after root canal treatment caused by the *Enterococcus faecalis* bacteria ranged between 24-77%. It is caused by resilience and virulence from *Enterococcus faecalis*. An alternative solution have to be done toward irrigation of root canal wall which is effective to kill bacteria. Kedondong Bangkok (*Spondias dulcis* Forst.) is one of the plants or natural substance potentially as an antibacteria. The antibacterial potencies of Kedondong Bangkok leaves extract (*Spondias dulcis* Forst.) against *Enterococcus faecalis* bacteria could be identified by determining Minimal Inhibitory Concentration (MIC) and Minimal Bactericidal Concentration (MBC). **Purpose.** This study is aimed to prove antibacterial potencies by identifying Minimal Inhibitory Concentration (MIC) and Minimal Bactericidal Concentration (MBC) of Kedondong Bangkok leaves extract (*Spondias dulcis* Forst.) against *Enterococcus faecalis* bacteria. **Method.** This study is an experimental laboratories through research design of The Post Test Only Control Group Design. Value of MIC and MBC were known by counting the growth of *Enterococcus faecalis* bacteria by treating the leaves extract of Kedondong Bangkok with concentration respectively 25%, 22,5%, 20%,17,5%, 15%, and 12,5% on nutrient agar media in CFU/ml. **Result.** In the concentration 12,5% there are 8.8% bacterial growth and in the concentration 15% there are no bacterial growth. **Conclusion.** Kedondong Bangkok leaf extract (*Spondias dulcis* Forst.) has an antibacterial potency against *Enterococcus faecalis* bacteria. The MIC shows in concentration of 12,5% and the MBC shows in concentration of 15%.

Keywords: Kedondong Bangkok leaves extract, *Enterococcus faecalis*, MIC, MBC