

EFFECTIVENESS OF COCOR BEBEK LEAF EXTRACTS (*Kalanchoe Millotii*) IN INHIBITING of *Enterococcus Faecalis* BACTERIA GROWTH

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ABSTRACT

Background: *Enterococcus faecalis* is a normal microorganism, which can be found in the root canal of the teeth and can cause secondary root canal infections. The root canal filling material must be able to completely fill the entire root canal and maintain the root canal to prevent secondary infection. Root canal filling material used is one of them 3 MIX MP which can eliminate all bacteria. Herbal plants can also be used as root canal fillers, one of which is Cocor bebek leaf extract (*Kalanchoe millotii*) which contains Bufadienolides which has antibacterial properties and can inhibit all bacterial growth. The aim of the study was to explain the effectiveness of cocor bebek leaf extract (*Kalanchoe millotii*) as an ingredient in root canal filling in inhibiting the growth of *Enterococcus faecalis* bacteria. **Method:** Eksperimental Laboratorium dengan rancangan penelitian *Post test only group design*. The sample of this study was *Enterococcus Faecalis* which was on a petri dish placed in a well that had been coated with cocor bebek extract (*Kalanchoe Millotii*) concentration of 5%, 10% and 15% and positive control using 3MIX MP antibiotics with 24 samples. **Results:** Cocor bebek extract (*Khalanchoe millotii*) was effective in inhibiting the growth of *Enterococcus faecalis* bacteria with concentrations of 5%, 10%, 15%, and using positive control 3 MIX MP. The concentration of 15% has an average inhibition zone of 23.4 while in the positive control 3MIX MP obtained an average inhibition zone of 34.2 mm. **Conclusion:** Cocor bebek leaf extract (*Kalanchoe Millotii*) is less effective in inhibiting the growth of *Enterococcus faecalis* bacteria.

Keywords: *Enterococcus faecalis*, Cocor bebek leaf extract (*Kalanchoe millotii*), 3 MIX MP