

**DAYA ANTIJAMUR EKSTRAK BUAH NANAS (*Ananas comosus* (L) Merr)  
TERHADAP CANDIDA ALBICANS PADA ANAK**

**ANTIFUNGAL POTENCY ON PINEAPPLES EXTRACT**

**(*Ananas comosus* (L) Merr) TO CANDIDA ALBICANS OF CHILDREN**

**ABSTRACT**

**Background.** Fungal infection is one of health problems occurred in the oral cavity, especially is caused by *Candida albicans*. Years of children are vulnerable towards the growth of *Candida albicans* because children have not had flora of oral cavity which is stable and a perfect immune system. Oral Candidiasis is an infection caused by *Candida albicans* which is often occurs. Based on some researches, pineapples (*Ananas comosus* (L) Merr) contain bromelin, saponin, flavonoid, and polyphenol which have an ability to obstruct the growth of *Candida albicans*. **Purpose.** This present study was aimed to examine Minimum Inhibitory Concentration (MIC) and Minimum Fungicidal Concentration (MFC) of pineapples extract (*Ananas comosus* (L) Merr) to *Candida albicans* towards children. **Methods.** This present study uses a pure laboratories experimental research of *in vitro*. The *Candida albicans*, as the sample used in this study was taken from the wiping of dorsum of the tongue (swap) of child patients in Dental Hospital, Department of Pediatric Dentistry, Airlangga University. Afterwards a microscopic examination was done and followed by a confectionary test to identifications of *Candida albicans*. Then, the antifungal test uses dilution method from pineapples extract (*Ananas comosus* (L) Merr) that contains into several concentration : 100%, 50%, 25%, 12.5%, 6.25%, 3.125%, 1.56%, and 0.78%. **Result.** The result showed that Minimum Inhibitory Concentration (MIC) was found on 6.25% concentration and Minimum Fungicidal Concentration (MFC) was found on 12.5% concentration. **Conclusion.** This present research showed that Pineapples extract (*Ananas comosus* (L) Merr) has antifungal potency to *Candida albicans* of children.

**Keywords:** Oral candidiasis, *Candida albicans*, Pineapples extract (*Ananas comosus* (L) Merr)