

**EFEKTIVITAS EKSTRAK DAUN SENGGANI (*MELASTOMA CANDIDUM D. DON*) DALAM MENGHAMBAT PERTUMBUHAN *CANDIDA ALBICANS* PADA RESIN AKRILIK HEAT CURED**

**(*THE EFFECTIVENESS OF SENGGANI LEAVES (MELASTOMA CANDIDUM D. DON) EXTRACT FOR INHIBITING GROWTH OF CANDIDA ALBICANS ON HEAT CURED ACRYLIC RESIN*)**

**ABSTRACT**

**Background.** Acrylic resin is most frequently used as base of denture. Acrylic as base of denture can be attached with oral microorganism such as *Candida albicans*. This condition can make an inflammation on oral mucosa called denture stomatitis. Denture stomatitis can be prevented with soak denture on denture cleanser. Senggani leaves is traditional medicine plants that can be used as alternative denture cleanser because its contains tannin, alkaloid, saponin, flavonoid, and phenol that suspected can inhibit growth of *Candida albicans*. **Purpose.** The aim of this research is to know the effect of senggani leaves extract to the growth of *Candida albicans* on acrylic resin denture base. **Method.** The research used 28 heat cured acrylic resin that divided into 4 groups. Each group consisted 7 acrylic resin. First group sample soaked in aquadest sterile as a control, and the three group soaked in senggani leaves extract with different concentration, 4%, 6%, and 8%. The duration of soaking was 30 minutes. *Candida albicans* from acrylic resin planted in Sabouraud dextrose Agar Media, and the colonies of *Candida albicans* were counted. The collected data were analyzed by using Kruskal wallis and Mann whitney test. **Result.** The result showed that there was a significant difference of senggani leaves extract among the groups ( $p < 0.05$ ). **Conclusion.** The senggani leaves extract has an effect to reduce the growth of *Candida albicans* on acrylic resin denture base. 6% concentrations of senggani leaves extract is effective in reducing to the growth of *Candida albicans*.

*Keywords* : Senggani leaves, *Candida albicans*, Acrylic resin denture base