INFUSA BIJI PINANG SEBAGAI OBAT KUMUR PENGHAMBAT *Candida albicans*

SKRIPSI

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UNIVERSITAS AIRLANGGA BHMN
SURABAYA
2011
EFEKTIVITAS INFUSA BIJI PINANG SEBAGAI OBAT KUMUR PENGHAMBAT Candida albicans

(EFFECTIVENESS Areca catechu SEED AS A GARGLE TO INHIBIT Candida albicans

ABSTRACT

Background. Dental biofilm accumulated in soft or hard surface in mouth, including removable orthodontic appliance. Candida containing biofilm can cause denture stomatitis. Infusa of Areca catechu can reduce Candida albicans’ colony. Purpose. The aim of this study was to know the effectiveness Areca catechu seed infusa as a gargle to inhibit Candida albicans on removable orthodontic appliance users. Method. The subject of this study consisted 6 petri dish that has been planted Candida albicans and contacted with areca seed infused concentration 30% and areca seed infused concentration 40% through petridish. Result. There was a significant difference between the use with infused areca seed concentration 30% areca seed infused concentration 40% (p=0.001<0.05) Conclusion. The usage of Areca catechu infused seed is effective to reduce Candida albicans’ colony on removable orthodontic appliance users.

Keywords: Areca catechu, Candida albicans, removable orthodontic appliance