

ABSTRACT

ANTIFUNGAL POTENTIAL TEST OF KOMBUCHA MANALAGI APPLE PEEL (*Malus sylvestris*) AGAINST *Candida albicans*

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Kombucha was traditional drink made from fermented tea and sugar with a sour-sweet taste. One of the organic materials that can be used as kombucha was the peel of the manalagi apple because it contains polyphenols which have antifungal activity. *Candida albicans* is one of the fungi that caused candidiasis in humans. Variations in fermentation time, variations in concentration of manalagi apple peel, and variations in test concentration were the determined factors in this study. Therefore, this study aims to identified the antifungal potention of manalagi apple peel (*Malus sylvestris*) to inhibit *Candida albicans*. The diameter of the inhibition zone of manalagi apple peel (*Malus sylvestris*) kombucha against *Candida albicans* obtained the highest yield of 3.8mm in variation of the fermentation time of manalagi apple peel kombucha on the 14th day fermentation with 20 gram peel concentration and 100% test concentration. From the results of this study, the antifungal potention of manalagi apple peel (*Malus sylvestris*) kombucha against *Candida albicans* fungi was categorized into the weak category.

Keywords : Kombucha, Manalagi Apple Peel, Inhibition Test, *Candida albicans*