

ABSTRACT

POTENTIAL TESTS OF KOMBUCHA ANTIFUNCTION OF MANALAGI APPLE PEEL Against *Candida glabrata* (*Malus sylvestris*)

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Indonesia produces various kinds of agricultural commodities, such as apples. *Manalagi* apple peel has antioxidant activity and can be used as a basic ingredient for kombucha. A kombucha has antifungal activity against *Candida glabrata*. *Candida glabrata* was opportunistic pathogen who caused candidiasis. This research was an experimental study that varied the concentration of *manalagi* apple peel, extract concentration, and fermentation time. The method used for sampling is random sampling method. Ability of kombucha apple peel of *manalagi* to detain achieved the highest value with the result of an inhibition zone diameter of 5.25mm during the fermentation time on the 14th day with a concentration of 15 grams of apple skin and a test concentration of 100%. From the results of this study, the antifungal potential of kombucha from *manalagi* apple peel against fungi was categorized into the weak category.

Keywords : Kombucha, *Manalagi* Apple Peel, Inhibition Test, *Candida glabrata*.