

**EFFECTIVENESS OF CANDY JELLY PRODUCTS EXTRACT GINGER
RED (*Zingiber officinale var rubrum*) TO POTENTIAL GROWTH OF
BACTERIA *Streptococcus mutans***

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ABSTRACT

Red Ginger is a spice plant origin Indonesia. Red Ginger contains a lot of gingerol, oleoresin, and essential oils as antifungal and antibacterial that can be utilized as *Candy Jelly* products. This study aims to determine the effectiveness of *Candy Jelly* products on the potential growth of *Streptococcus mutans* bacteria causing coral and dental caries as well as to determine the consumer response to *Candy Jelly* red ginger extract products. The method used was quantitative experiment with diffusion disc technique with 3 treatments and 8 repetitions consisting of 10% red ginger extract concentration, ampicillin as control (+) and base of *Candy Jelly* as dick (-). The results showed that the effectiveness treatment produced by *Candy Jelly* red ginger extract with 10% concentration showed 0.739 cm inhibition, 0.828 cm ampicillin and *Candy Jelly* 0.645 cm with pH 5. The result of the average power likes consumers showed the percentage of 50% of *Candy Jelly* products.

Keywords: *Candy Jelly*, Red Ginger, *Streptococcus mutans*