

Formulation and Evaluation of Chewable Lozenges for Dental Caries

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Abstract: Dental caries is a prevalent oral health issue worldwide. This study explores the potential of herbal lozenges as a novel approach to prevent dental caries. The lozenges are formulated using a combination of natural ingredients, including liquorice root extract, guava leaves extract, ginger extract, and piper betel leaves extract, which are known for their antimicrobial and anti-inflammatory properties. The lozenges also contain clove oil and peppermint oil for their analgesic and refreshing properties. The formulation is designed to provide a convenient and effective way to deliver these herbal ingredients to the oral cavity, promoting oral health and preventing dental caries. This study aims to evaluate the efficacy and safety of these herbal lozenges in preventing dental caries and promoting oral health. We developed herbal lozenges using natural ingredients like liquorice root, guava leaves, and ginger to promote oral health. The lozenges showed promising results in reducing *Streptococcus mutans* counts and preventing dental caries. This research explores the potential of herbal lozenges as a natural and effective way to prevent dental caries.

Keywords: Guava leaves, clove oil, oral health, antimicrobial activity, chewable lozenges

