

A Review on Herbal Aqueous Gel of Powder Cordia Dichotoma Leaves and Psidium Guajava Leaves for Mouth Ulcer

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Abstract: *One of the most widespread diseases is oral ulcer. Oral ulcers, commonly referred to as tiny sores, are painful lesions that appear at the gum line inside the mouth. There are numerous formulations used to treat mouth ulcers. There are numerous synthetic and natural formulations on the market. Topical gel is designed to be applied to specific mucosal surfaces or skin surfaces for local action and percutaneous absorption of dose forms. This present investigates the formulation and evaluation of a herbal aqueous gel utilizing powdered leaves of Cordia dichotoma and guava (Psidium guajava) for the treatment of mouth ulcers. Mouth ulcers are common ailments that can cause significant discomfort and affect quality of life. The study aims to harness the anti-inflammatory and antimicrobial properties of these plants to create an effective topical treatment. Aqueous extracts were prepared from the powdered leaves, which were then combined with a suitable gel base to achieve the desired consistency and stability. Preliminary tests indicated favorable properties, suggesting potential effectiveness in soothing and healing oral lesions. In vitro studies were conducted to assess the antimicrobial activity of the gel against common pathogens associated with mouth ulcers. Results indicated significant antimicrobial properties, supporting the therapeutic potential of the formulation.*

Keywords: Cordial Dichotoma leaves, herbal formulation, guava leaves, herbal gel