

## ABSTRACT

*Candidiasis*, also known as *candidosis*, is the most common kind of superficial mycosis. *Oral candidiasis* is an opportunistic infection that mostly affects the oral mucosa. In the majority of cases, these lesions are caused by the *candida albicans* fungal. *Candida albicans* is a weak pathogen, most candida infections only affect the mucosal layer, but systemic symptoms can be lethal. Azoles and polyenes antifungal drugs are effective in the treatment of oral candidiasis. Antifungal agent azoles and polyenes drugs can lead to resistance, which is one of the causes of failure to carry out treatment. Using traditional medicine considered safer than modern medicine because traditional medicine has relatively small side effects, for example guava leaves extract. Extract in guava leaves contains tannin, flavonoid, saponin and terpenoid which useful to inhibit fungal growth including *candida albicans*. Tannin compound found in guava leaves which extracted with ethanol 70% showed that the more tannin concentrations have a bigger resistance to fungal material test. It showed that more contents of tannin have a bigger result to inhibit fungal growth. The aim of this study is to determine the role of extract guava leaves against *oral candidiasis*. Based on literatures studies it can be conclude that extract guava leaves (*Psidium guajava L.*) play a role addressing *oral candidiasis*. It caused by chemical compound found in guava leaves such as tannins, flavonoid, saponins and terpenoids which able to inhibit fungal, especially *candida albicans* fungal that known as the main cause of *oral candidiasis*.

**Keywords :** *Oral candidiasis, guava leaf extract, and candida albicans*



UNMAS DENPASAR