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- [Aim & Scope](#)
- [Editorial Board](#)
- [Archives](#)
- [Instruction to Author](#)
- [Manuscript Submission](#)
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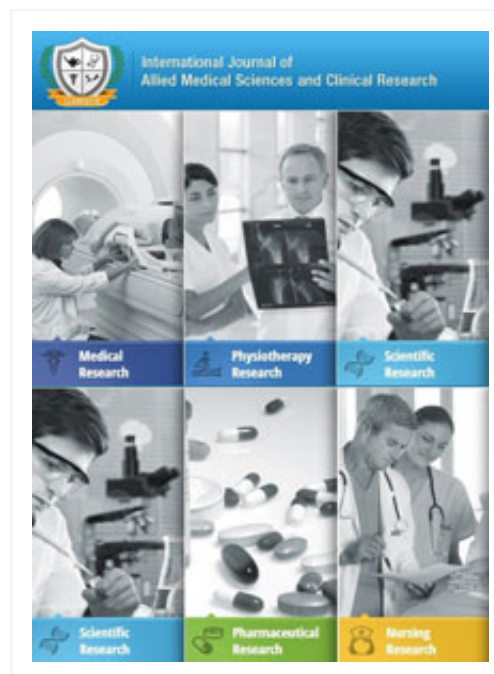
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of
Chinese

Petai

Leaf

Extract

(Leucaena

Abstract

Background



Leukore is an illustration of excess secretion from intercourse and the problem most often complained of by women at reproductive age. If not treated at an early stage it can become chronic and lead to PID (Pelvic Inflammatory Diseases) which can cause difficulties in obtaining offspring. Leukore can be inhibited by *Candida albicans* and experienced by 75% of women of reproductive age experience vulvovaginal candidiasis. Flukonazole antifungi from the azole group, which inhibit the $14-\alpha$ -sterol demethylase, but *C. Albicans* is resistant to azole, needs another alternative. Chinese petai leaves (*Leucaena Leucocephala*) are plants that overcome microbial diseases, which contain alkaloids, tannins, saponins, phenols, flavonoids which have the potential to be anti-fungal bacteria.

Objective

Candida

Albicans

To analyze the compounds of Chinese petai leaf extract (*Leucaena leucocephala*) of various concentration variants in inhibiting the growth of *Candida albicans*.

Methods

Study

on

True experiment with post test only control group design, using a completely randomized design.

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Results

The flavonoid compounds of Chinese petai leaf extract concentration of 20%, 60% and 100% have an average inhibitory power to the growth of *albicans candida* is 8.7 mm, 12.26 mm, 16.06 mm. The results of the post test showed a significant difference between 20% flavonoids with 60% flavonoid and 100% flavonoids and 60% flavonoids with 100%, there were significant differences ($P < 0.05$).

Conclusions and recommendations

Flavonoid compounds from Chinese petai leaf extract have the potential as an alternative treatment for vaginal discharge caused by *Candida albicans*.



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