



## **The Pattern of Antifungal Resistance against *Candida albicans* that cause Vaginal Candidiasis**

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**Abstract : Background:** Vaginal candidiasis is a vaginal infection caused by *Candida albicans* or other *Candida* species. Recent epidemiological data suggest an increase in infections caused by resistant fungal species, especially the fluconazole-resistant *Candida* species.

**Objective :** To find out how the pattern of antifungal resistance to *Candida albicans* causes vaginal candidiasis and characteristic features of vaginal candidiasis.

**Methods:** This is an observational descriptive study with cross sectional design. Samples were obtained from patients with vaginal candidiasis who met the inclusion and exclusion criteria at Sentosa Baru Public Health Center from August to November 2017.

**Results:** There were 20 samples isolated from specimens of vaginal secretion of vaginal candidiasis patients. From the identification result, 14 samples (70%) of *Candida albicans* causing vaginal candidiasis were resistant to Itraconazole and Fluconazole, followed by Amphotericin B dan Variconazole (65%). However 17 samples (85%) of *Candida albicans* causing vaginal candidiasis were still sensitive to Flucytosin. From the data collected, it was found that vaginal candidiasis patients caused by *Candida albicans* were found in patients age 30-35 years old (50%), working as housewife (65%), with last education of high school (60%).

**Conclusion :** drug resistance to antifungal against *Candida albicans* causes vaginal candidiasis has been found.

**Keywords :** resistance pattern, characteristics, *Candida albicans*, vaginal candidiasis, antifungal.

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