



**Annual Scientific Meeting (ASM) PAMKI
Pertemuan Ilmiah Tahunan (PIT) 2017**

**From Basic Microbiology to Clinical Applied,
approaches to new technologies
in microbial Diagnostic**



**AT PANGERAN BEACH HOTEL
PADANG, INDONESIA**

Thursday-Saturday/ October 12th –14th, 2017

SYMPOSIUM BOOK



Annual Scientific Meeting (ASM) PAMKI Pertemuan Ilmiah Tahunan (PIT) 2017

**FROM BASIC MICROBIOLOGY
TO CLINICAL APPLIED, APPROACHES TO
NEW TECHNOLOGIES IN MICROBIAL DIAGNOSTIC**

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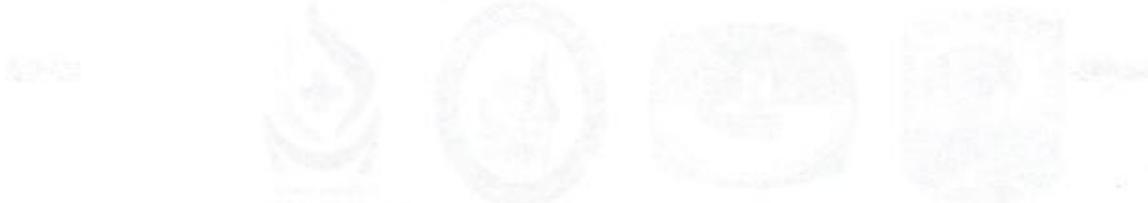
Thursday/October 12th, 2017

SCIENTIFIC MEETING & EXHIBITION

Friday-Saturday/October 13th -14th, 2017

**AT PANGERAN BEACH HOTEL
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Annual Scientific Meeting (ASM) PAMK Pertemuan Ilmiah Tahunan (PIT) 2017

**FROM BASIC MICROBIOLOGY
TO CLINICAL APPLIED,
APPROACHES TO
NEW TECHNOLOGIES IN
MICROBIAL DIAGNOSTIC**

ISBN

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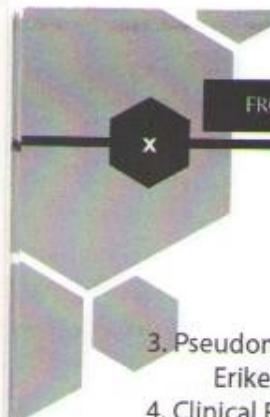
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Phenotype Profile of *Candida* spp. Isolated from ICU and Non-ICU patients in Tertiary Referral Hospital in Bali**Krisna IWD¹, Rustawan INT¹, Budayanti NNS², Fatmawati NND², Tarini NMA², Iswari IS²**¹ Clinical Microbiology Study Program, Faculty of Medicine, Udayana University, Denpasar²Department of Clinical Microbiology, Sanglah Hospital, Denpasar**Abstract**

Candida spp. are common causes of bloodstream infections. Candidemia remains a major cause of morbidity and mortality in the health care setting, and needs urgent intervention to salvage the patients. In this study, we report the profile of *Candida* spp. that isolated from blood specimens from ICU and non-ICU patients admitted Sanglah Hospital during January 2014-December 2016. Laboratory data were collected retrospectively from culture-based records in the Clinical Microbiology Laboratory, Sanglah Hospital from January 2014 to December 2016. Fungal identification was performed by using Vitex 2 Compact. A total of 86 isolates of *Candida* spp. were isolated from positive blood samples of patients during the study period. Among the isolated *Candida* spp., *Candida parapsilosis* was found as the most common isolate (37 of 86/ 43 %), followed by *C. tropicalis* that was 28 isolates (32,5%), *C. famata* (9/10,4%), *C. albicans* (8/9,30%), *C. guilliermondii* (2/2,3%), *C. glabarata* (1/1,16%) and *C. norvengis* (1/1,16%). The occurrence of candidemia is more common in ICU ward, which was found 64 isolates (76%) than non-ICU ward. Neonates and pediatric wards were found to be the most common incident of candidemia (90%) than adult. This study showed that *Candida non albican* were the predominant pathogens of candidemia. Furthermore, the incident of candidemia was more common in young patient in intensive ward. This study provide information about pattern of *Candida* isolated from blood, therefore could help the clinician in choosing empirical therapy for candidemia cases in Sanglah hospital.

Key words: *Candida* sp., candidemia . Intensive Care Unit