



**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 12<sup>th</sup> -14<sup>th</sup>, 2017

**SYMPOSIUM BOOK**



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

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

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**WORKSHOP**

Thursday/October 12<sup>th</sup>, 2017

**SCIENTIFIC MEETING & EXHIBITION**

Friday-Saturday/October 13<sup>th</sup> -14<sup>th</sup>, 2017

**AT PANGERAN BEACH HOTEL  
PADANG, INDONESIA**

ASM PAMKI 2017 Organising Committee  
Diagnostic and Research Center for Infectious Disease Microbiology  
Department, 2<sup>nd</sup> floor Perintis Kemerdekaan Street, Padang, West Sumatera Indonesia



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Pertemuan Ilmiah Tahunan (PIT) 2017**

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APPROACHES TO  
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MICROBIAL DIAGNOSTIC**

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**ISBN .....**

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phenotype Profile of *Candida spp.* Isolated from ICU and Non-ICU patients in Tertiary Referral Hospital in Bali

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**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. glabrata* (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