

ABSTRACT

IDENTIFICATION OF *Methicillin-Resistant Staphylococcus aureus* (MRSA) IN CLINICIANS AND PARAMEDICS IN THE PERINATOLOGY AND OBSTETRIC GYNAECOLOGIC ROOM OF ABDUL MOELOEK REGIONAL HOSPITAL

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Some last decades, the incidence of *Methicillin-Resistant Staphylococcus aureus* (MRSA) are increasing in the world. MRSA is a *Staphylococcus aureus* bacteria that has resistance to the methicilin antibiotics. More than half of infection that relate to *Staphylococcus aureus* in the health center are caused by MRSA. pneumonia, bacteremia atau septicemia, celulitis, endocarditis, meningitis dan osteomyelitis are the diseases that caused by MRSA. Neonatal and obstetric gynecology room have high enough potency of MRSA incidence. This research is aimed to know the present of *Methicillin-Resistant Staphylococcus aureus* (MRSA) in the clinicians and paramedics in perinatology and obstetric gynecologic room of the Abdul Moeloek Regional Hospital.

This is a laboratory descriptive research with cross sectional approach. Samples are the hand swab from 68 clinicians and paramedics. 34 samples from perinatology room and 34 samples from obstetric gynecology room. This research has done by collect and isolate samples and continued by culture. The *Staphylococcus aureus* positive culture are grown in the nutrient broth agar. Then, they are grown in the sheep blood agar that has cefoxitin disk, after that, we can assessed the resistance by assess the inhibiting zone that present around the antibiotic disk.

From 68 samples, there are *Staphylococcus aureus* positive samples are 46 samples (67,7%) and 22 samples (32,3%) are non *Staphylococcus aureus*. From

46 *Staphylococcus aureus* positive samples, there are 15 samples (32,6%) of MRSA positive. From 15 samples of MRSA positive, 10 samples (60,7%) are origins from perinatology room, and other 5 samples (29,3%) are origins from obstetric gynecology room. Based on the results, we know that, there are MRSA positive in clinicians and paramedics in Abdul Moeloek Regional Hospital.

Kata kunci : Clinicians, *Methicillin-Resistant Staphylococcus aureus*, Paramedics