

ABSTRACT

MICROBIOLOGICAL QUALITY OF THE AIR FROM NEONATAL INTENSIVE CARE UNIT (NICU) GENERAL HOSPITAL OF Dr. H. ABDUL MOELOEK BANDAR LAMPUNG

By

GULBUDDIN HIKMATYAR

Neonatal intensive care unit of a neonatal care space that must be maintained cleanliness and sterility, because neonates treated in this room has a weak immune so susceptible to nosocomial infections. Nosocomial infections can be caused by microbiological quality of air space that bad, because some of the ways of transmission of germs that cause the infection can be transmitted through the air. This study aims to determine the types of microorganisms present in the room air Neonatal Intensive Care Unit (NICU) Hospital Abdul Moeloek Bandar Lampung and also to determine the number of bacteria from the room.

This research was conducted by using descriptive method analytic for the purpose of this study was to determine the microbiological quality of the air space Abdul Moeloek Hospital NICU.

The results of this study found that bacterias *Staphylococcus aureus*, *Streptococcus sp.*, *Neisseria sp.*, *Shigella sp.*, *Pseudomonas sp.*, *Klebsiella*, *Corynebacterium*, *Escherichia*, *S. saprophyticus*, *S. epidermidis*. and for fungi showed that *Rhizopus sp.* and *Aspergillus sp.* from the calculation of the normal number of bacteria showed that 1,162 CFU / m³.

In conclusion there are many different types of microorganisms in the NICU room. The results of the calculation of number of bacteria showed normal, but still there is the possibility of nosocomial infection.

Keywords: bacteria, fungi, NICU, nosocomial infections