

## **ABSTRACT**

### **THE RELATIONSHIP OF POSTTERM PREGNANCIES AND PREMATURE INFANTS WITH NEONATAL ASPHYXIA IN THE MATERNITY ROOM OF dr. ARIEF DADI TJOKRODIPO HOSPITAL BANDAR LAMPUNG PERIOD JUNE 2012 – MAY 2013**

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Asphyxia is the largest cause of infant mortality in Indonesia. All data in this research were gathered from dr. A. Dadi Tjokrodipo hospital Bandar Lampung June 2012 - May 2013 period. In those period 14 infants reported died because of asphyxia. This study was conducted to determine the relationship of postterm pregnancies and premature infants with neonatal asphyxia.

This research uses an analytical study with retrospective approach. The population in this study were all infants in the maternity room of dr. A. Dadi Tjokrodipo hospital Bandar Lampung June 2012 - May 2013 period, while the sample in this study was determined by the census with a total sample of 961 samples. Data collected by medical record and documentation in dr. A. Dadi Tjokrodipo hospital Bandar Lampung. Results obtained by univariate analysis of the frequency distribution of post-term pregnancy were 54 (5,6%), aterm 907 (94,3%), premature 120 (12,42%), non-premature 841 (87,54%), and the incidence of neonatal asphyxia is 105 (11%) cases and neonatal non-asphyxia is 856 (87%) cases.

Conclusions from the research that has been done, the studied variables obtained from these variables had a significant relationship with the incidence of neonatal asphyxia ( $p=0,001$  and  $p=0,002$ ).

**Key words:** Neonatal asphyxia, premature, postterm.