

THE RELATIONSHIP BETWEEN LBW AND NEONATAL SEPSIS IN RSUD PANEMBAHAN SENOPATI BANTUL HOSPITAL 2015

Hidayaning Nur Syahbania¹, Tien Budi Febriani², Soeroyo Machfudz²

¹ Student of Faculty of Medicine, Universitas Islam Indonesia

² Department of Pediatric, Faculty of Medicine, Universitas Islam Indonesia

ABSTRACT

Background: Newborn infant or neonatal mortality rate in Indonesia is still high and has not been decreased since the last 5 years. The main cause of early (0-6 days) and late (7-28 days) neonatal mortality is sepsis. Low Birth Weight (LBW) in infants is one of the neonatal sepsis risk factors. The incidence of LBW has a high proportion in Bantul, Yogyakarta.

Objective: To describe the association between LBW and neonatal sepsis in Panembahan Senopati Bantul Hospital in 2015.

Methods: An observational study with case control analytic. The sample of this study were taken from the medical record of children patients in Panembahan Senopati Bantul Hospital, Yogyakarta, who were born in 2015. Sampling techniques in this study were consecutive sampling and consisted of 186 samples which were divided into 93 neonates of case group and 93 neonates of control group. The study result data were analyzed into univariate and bivariate analysis use test of *Chi-Square* with SPSS software.

Results: The study result presented that there were a significant association between LBW and neonatal sepsis (OR 4,517, 95% CI 1,843-11,070, $p = 0,000$).

Conclusion: There were a significant association between LBW and neonatal sepsis.

Keywords: Neonatal sepsis, LBW, Risk factors