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***Relationship between maternal age and parity with the incidence of LBW at
Pertamina Hospital in 2023***

ABSTRACT

Background: The World Health Organization (WHO) defines Low Birth Weight (LBW) as a baby born weighing ≤ 2500 gr. LBW babies have a greater risk of experiencing morbidity and mortality than babies born with normal weight. The cause of LBW is the mother's age at risk < 20 years or > 35 years and also the parity factor at risk, namely the first child or > 4 children.

Research Objective: To determine the relationship between maternal age and parity with the incidence of LBW at Pertamina Balikpapan Hospital in 2023.

Method: This research uses a correlational analytical approach with a case control method. The population in this study were all babies born LBW in the delivery room at Pertamina Hospital in the last 6 months, namely May-October 2023, totaling 58 babies. The sampling technique was total sampling, a sample of 116 babies of which 58 were case samples and 58 were control sample babies, the data collection tool used secondary data, the bivariate data analysis technique used the chi square test.

Results: Description of the incidence of LBW at Pertamina Balikpapan Hospital as many as 58 babies (50%). The description of the age of the mothers who gave birth was mostly of a non-risk age, namely 67 people (57.8%). The description of the parity of mothers who gave birth mostly had low risk parity, namely 63 people (54.3%). There is a relationship between maternal age (p value 0.001, OR = 11.448) and maternal parity (value 0.003, OR = 8.894) with the incidence of LBW at Pertamina Balikpapan Hospital.

Conclusion: There is a relationship between maternal age and parity with the incidence of LBW at Pertamina Balikpapan Hospital.

***Keywords: Maternal Age, Parity, Low Birth Weight Incidence
Literature : 46 (2017-2020)***