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HUBUNGAN KETUBAN PECAH DINI DAN HIPERTENSI TERHADAP KEJADIAN BAYI BERAT LAHIR RENDAH (BBLR) DI RSUD DR. H. JUSUF SK TARAKAN TAHUN 2026

ABSTRAK

Latar Belakang: Bayi berat lahir rendah (BBLR) merupakan salah satu penyebab kematian neonatal. BBLR dan prematuritas menjadi penyebab kedua angka kematian bayi (AKB) di Indonesia. Dampak BBLR adalah risiko tinggi mengalami berbagai komplikasi pada masa neonatal akibat ketidakmatangan fungsi organ. Ketuban pecah dini (KPD) dan hipertensi selama kehamilan merupakan faktor risiko yang memicu terjadinya BBLR. RSUD dr. H. Jusuf SK telah melakukan upaya pencegahan, kejadian BBLR masih menjadi masalah kesehatan. Berdasarkan studi pendahuluan, dari 5 ibu yang KPD, 3 bayi lahir dengan BBLR dan 2 bayi lahir dengan berat badan normal. Sementara dari 5 ibu dengan hipertensi, 3 bayi lahir dengan BBLR dan 2 bayi lahir dengan berat badan normal.

Tujuan Penelitian: Mengetahui hubungan antara ketuban pecah dini dan hipertensi terhadap kejadian BBLR di RSUD dr. H. Jusuf SK Tarakan.

Metode Penelitian: Penelitian ini menggunakan metode analitik observasional dengan desain penelitian *case-control*. Sampel yang digunakan (1:1) terdiri dari 59 bayi sebagai kelompok kasus dengan teknik *total sampling* dan 59 bayi sebagai kelompok kontrol dengan teknik *purposive sampling*. Analisa data menggunakan *chi square* dan *odds ratio*.

Hasil: Sebagian besar ibu pada kelompok kasus mengalami KPD (54,2%) dan Hipertensi (59,3%). Terdapat hubungan antara ketuban pecah dini dan hipertensi dalam kehamilan terhadap kejadian BBLR di RSUD dr. H. Jusuf SK Tarakan (p: 0.001, OR 3.810; p: 0.000, OR 4.278). **Kesimpulan: K**PD dan hipertensi dalam kehamilan berhubungan dengan kejadian BBLR. Peningkatan skrining dan penatalaksanaan faktor risiko pada ibu hamil diperlukan sebagai upaya pencegahan BBLR.

Kata Kunci: **Hipertensi, KPD, BBLR**

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THE RELATIONSHIP BETWEEN PREMATURE RUPTURE OF MEMBRANES AND HYPERTENSION WITH THE INCIDENCE OF LOW BIRTH WEIGHT (LBW) AT DR. H. JUSUF SK TARAKAN REGIONAL GENERAL HOSPITAL IN 2026

ABSTRACT

Background: *Low birth weight (LBW) is a leading cause of neonatal mortality. LBW and prematurity rank as the second leading cause of infant mortality in Indonesia. Infants with LBW face a high risk of various neonatal complications due to organ immaturity. Premature rupture of membranes (PROM) and hypertension during pregnancy are risk factors that trigger LBW. Despite preventive efforts by Dr. H. Jusuf SK Regional General Hospital (RSUD), LBW remains a significant health issue. A preliminary study showed that among five mothers with PROM, three infants were born with LBW and two with normal weight; similarly, among five mothers with hypertension, three infants were born with LBW and two with normal weight.* ***Objective:*** *To determine the association between PROM and hypertension and the incidence of LBW at Dr. H. Jusuf SK Regional General Hospital, Tarakan.* ***Methods****: This study employed an observational analytic method with a case-control design. The sample (1:1 ratio) consisted of 59 infants in the case group (selected via total sampling) and 59 infants in the control group (selected via purposive sampling). Data were analyzed using the chi-square test and odds ratio.* ***Results****: The majority of mothers in the case group experienced PROM (54.2%) and hypertension (59.3%). There was a significant association between PROM and hypertension during pregnancy and the incidence of LBW at Dr. H. Jusuf SK Regional General Hospital, Tarakan (p=0.001, OR=3.810; p=0.000, OR=4.278).* ***Conclusion:*** *PROM and hypertension during pregnancy are associated with the incidence of LBW. Enhanced screening and management of risk factors in pregnant women are necessary to prevent LBW.*

Keywords: Premature Rupture of Membranes (PROM), Hypertension, Low Birth Weight (LBW)