

**Analisis Faktor yang Berhubungan dengan Ketuban Pecah Dini Berdasarkan
Rekam Medis Pasien Rawat Inap di Rumah Sakit
Umum Kaliwates Jember** (*Analysis of Factors Associated with Premature
Rupture of Membranes Based on Medical Records of Inpatients at Kaliwates
General Hospital, Jember*)
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ABSTRACT

Premature Rupture of Membranes (PROM) is a condition where the amniotic sac ruptures before labor begins or when labor has started but the dilation is less than 3 cm. The number of PROM cases at RSU Kaliwates Jember consistently increased during the 2022-2024 period. The highest number of cases occurred in 2024, with a total of 474, and PROM became the most common obstetric case on the list of the 10 most common cases. This study aims to analyze the relationship between maternal age, parity, gestational age, pelvic condition, fetal presentation, preeclampsia status, and anemia and the incidence of PROM in mothers giving birth, based on the medical records of inpatients at Kaliwates Jember General Hospital. This research is an analytical observational study using a cross-sectional design. The research sample consisted of 325 samples taken using a simple random sampling technique. Data analysis was conducted univariately and bivariate using the chi-square test in SPSS. The research results reveal a significant relationship with the occurrence of PROM in the variables of parity ($p = 0.00$), pelvic condition ($p = 0.019$), fetal presentation ($p = 0.014$), and preeclampsia status ($p = 0.013$). Meanwhile, the variables that are not related include maternal age ($p = 0.857$), gestational age ($p = 0.099$), and anemia ($p = 0.389$). Based on the research results, it can be concluded that mothers with primipara and grandemultipara parity, non-CPD pelvic conditions, normal fetal presentation, and the absence of preeclampsia are associated with PROM in mothers giving birth at Kaliwates Jember General Hospital. It is hoped that pregnant women, especially mothers with primipara and grand multipara parity, will routinely perform ANC examinations to monitor the health development of their pregnancy..

Keyword: *crossectional, medical record, premature rupture of membranes (PROM)*