

INTI SARI

Sabowo, A. 2026. Perbedaan Kadar Hemoglobin, Angka Trombosit Dan Jumlah Leukosit *Prepartum* Dan 6 Jam *Postpartum* *Section Caesar (SC)* Di RSU Islam Klaten. Program Studi D4 Analisis Kesehatan. Fakultas Ilmu Kesehatan Universitas Setia Budi Surakarta.

Persalinan *sectio caesar* (SC) adalah salah satu metode persalinan yang dilakukan melalui pembedahan dengan membuat insisi pada dinding perut dan uterus ibu untuk melahirkan bayi. Berdasarkan laporan Riskesdas 2018, kaus SC menyumbang sekitar 17% dari total persalinan dan data Kementerian Kesehatan Tahun 2021, komplikasi perdarahan postpartum pasca-SC menyumbang hingga 15% dari total kematian ibu di rumah sakit. Angka ini menyoroti pentingnya manajemen yang tepat terhadap kondisi hematologis ibu selama dan setelah prosedur SC. Kadar hemoglobin, trombosit memainkan peran krusial dalam proses hemostasis. Leukosit sebagai komponen utama sistem imun, peningkat hingga lebih dari 20.000/mm³ dapat menjadi tanda infeksi serius pasca persalinan SC yang memerlukan intervensi segera. Penelitian ini bertujuan untuk mengetahui perbedaan kadar hemoglobin, angka trombosit dan jumlah leukosit *prepartum* dan 6 jam *postpartum sectio caesar (SC)* di RSU Islam Klaten

Jenis penelitian yang digunakan adalah penelitian observasional analitik dengan pendekatan *cross sectional study*. Penelitian ini menggunakan 115 responden pasien ibu hamil yang akan melakukan tindakan *Sectio caesarea (SC)* di RSU Islam Klaten. Pengumpulan data diperoleh dari rekam medis pasien SC. Data dikelompokkan sesuai variabel yang diteliti, analisa data dengan uji t-test untuk data yang berdistribusi normal dan uji *Wilcoxon Rank-Test* untuk data yang beristribusi tidak normal.

Hasil pemeriksaan menunjukkan adanya perbedaan kadar hemoglobin, jumlah trombosit dan angka leukosit *prepartum* dan 6 jam *postpartum*. Hasil uji *paired sampel test*, nilai kadar haemoglobin *pre & post* nilai $p = 0,001$. Angka trombosit dengan uji *paired sampel test*, nilai $p = 0,001$. Angka Leukosit dengan uji *Wilcoxon Signed Rank Test* nilai $p = 0,001 < 0,05$. Terdapat perbedaan kadar hemoglobin, jumlah trombosit, angka leukosit antara *prepartum* dan 6 jam *postpartum* pada pasien yang menjalani *sectio caesar*.

Kata kunci: *Sectio caesar*, *prepartum*, *postpartum*, kadar hemoglobin, jumlah trombosit, angka leukosit.

ABSTRACT

Sabowo, A. 2025. Differences In Hemoglobin Levels, Platelet And Leukocyte Counts In Prepartum And 6 Hours Postpartum After Sectio Caesar (SC) At Rsu Islam Klaten. D4 Tecnology Laboratory Medic. Faculty Of Health Sciences, Setia Budi University, Surakarta.

Cesarean section (CS) is a surgical method of delivery that involves making an incision in the mother's abdominal wall and uterus to deliver the baby. According to the 2018 Basic Health Research (Riskesdas) report, cesarean sections account for approximately 17% of all deliveries, and according to 2021 Ministry of Health data, postpartum hemorrhage complications after a cesarean section account for up to 15% of maternal deaths in hospitals. These figures highlight the importance of proper management of the mother's hematological condition during and after a cesarean section. Hemoglobin and platelet levels play a crucial role in hemostasis. Leukocytes, as a key component of the immune system, increase above 20,000/mm³ can indicate a serious infection after a cesarean section, requiring immediate intervention. This study aimed to determine differences in hemoglobin levels, platelet counts, and leukocyte counts prepartum and 6 hours postpartum after a cesarean section (CS) at the Klaten Islamic General Hospital.

This study used an observational analytical study with a cross-sectional approach. This study involved 115 pregnant women undergoing cesarean section (CS) at the Islamic General Hospital (RSU) in Klaten. Data were collected from the medical records of cesarean patients. Data were collected according to the variables studied, and data were analyzed using the t-test for normally distributed data and the Wilcoxon Signed Rank Test for non-normally distributed data.

The results showed differences in hemoglobin levels, platelet counts, and leukocyte counts prepartum and 6 hours postpartum. The paired-sample test showed a p-value of 0,001 for pre- and postpartum hemoglobin levels. The platelet count, using the paired-sample test, showed a p-value of 0,001. The leukocyte count, using the Wilcoxon Signed Rank Test, showed a p-value of 0.001 <0,05. There were differences in hemoglobin levels, platelet counts, and leukocyte counts between prepartum and 6 hours postpartum in patients undergoing cesarean section.

Keywords: Cesarean section, prepartum, postpartum, hemoglobin levels, platelet counts, leukocyte counts..