

# **GAMBARAN KEBUTUHAN KOMPONEN DARAH *PACKED RED CELL* (PRC) PADA PASIEN BERSALIN DI RS ROBERT WOLTER MONGOSIDI TELING TAHUN 2021**

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## **INTISARI**

**Latar Belakang:** *Packed Red Cell* (PRC) adalah komponen darah yang berisi sama dengan whole blood dimana namun mengandung plasma yang lebih sedikit. Komponen ini biasanya diberikan pada pasien dengan pendarahan lambat, pasien anemia atau pada kelainan jantung. Komponen darah PRC adalah salah satu jenis komponen yang banyak digunakan pada pasien melahirkan. Data tahun 2021 di RS Robert Wolter Mongosidi diketahui beberapa pasien yang melahirkan baik secara normal maupun melahirkan secara SC, dengan kondisi anemia membutuhkan transfusi berupa *Packed Red Cell* (PRC).

**Tujuan Penelitian:** Mengetahui gambaran kebutuhan komponen darah PRC pada pasien bersalin di RS Robert Wolter Mongosidi Teling tahun 2021.

**Metode Penelitian:** Desain penelitian deskriptif kuantitatif yaitu menyajikan gambaran lengkap mengenai sampel tertentu dengan pendekatan *cross sectional* yaitu pengumpulan data dilakukan pada satu waktu saja, dengan menggunakan teknik *total sampling* didapatkan sampel sebanyak 102 sampel.

**Hasil:** Hasil penelitian menunjukkan kebutuhan komponen darah PRC pada pasien bersalin berdasarkan usia paling banyak ditemukan pada usia 21-25 tahun sebanyak 47 (46%), berdasarkan frekuensi transfusi paling banyak ditemukan pada frekuensi satu kali transfusi sebanyak 66 (56%), berdasarkan diagnosis medis paling banyak ditemukan pada anemia sebanyak 47 (46%), berdasarkan jumlah kelahiran bayi paling banyak ditemukan satu bayi sebanyak 67 (66%), berdasarkan golongan darah ABO paling banyak ditemukan pada golongan darah O sebanyak 68 (67%), dan berdasarkan golongan darah rhesus lebih banyak ditemukan rhesus positif yaitu sebanyak 98 (96%).

**Kesimpulan:** Kebutuhan komponen darah PRC pada pasien bersalin di RS Robert Wolter Mongosidi Teling tahun 2021 dengan karakteristik pasien paling banyak ditemukan pada usia 21-25 tahun (46%), pada frekuensi satu kali transfusi (56%), diagnosis anemia (46%), jumlah kelahiran satu bayi (66%), dengan golongan darah O (67%), dan rhesus positif (96%).

**Kata Kunci:** *Komponen Darah, Packed Red Cell, Pasien Bersalin*

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# DESCRIPTION OF THE NEED FOR PACKED RED CELL (PRC) BLOOD COMPONENTS IN PATIENTS IN MEMBERSHIP AT ROBERT WOLTER MONGOSIDI TELING HOSPITAL IN 2021

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## ABSTRACT

**Background:** Packed Red Blood Cell (PRC) is a component of blood containing hemoglobin (HB) which is the same as whole blood, containing less plasma. This component is usually given to patients with slow bleeding, patients with anemia or in cardiac disorders. PRC blood component is one type of component that is widely used in childbirth patients. The process of giving birth that requires blood transfusions, namely normal delivery (spontaneous) and delivery by caesarean section (SC). This can be triggered by anemia caused by bleeding during pregnancy or childbirth.

**Objective:** To describe the need for PRC blood components in maternity patients at Robert Wolter Mongosidi Teling Hospital in 2021.

**Methods:** Descriptive quantitative research design that presents a complete picture of a particular sample with a cross sectional approach, namely data collection is carried out at one time, using a total sampling technique, obtained a sample of 102 samples.

**Results:** The results showed that the need for PRC blood components in maternity patients based on age was most commonly found at the age of 21-25 years as many as 47 (46%), based on the frequency of transfusion, most were found in the frequency of one transfusion as many as 66 (56%), based on the diagnosis. Most medically found in anemia as much as 47 (46%), based on the number of births most babies found one baby as much as 67 (66%), based on ABO blood group the most found in blood type O as much as 68 (67%), and based on type Rhesus blood was found to be rhesus positive, as many as 98 (96%).

**Conclusion:** The need for PRC blood components in patients giving birth at Robert Wolter Mongosidi Teling Hospital in 2021 with patient characteristics most commonly found at the age of 21-25 years (46%), at the frequency of one transfusion (56%), a diagnosis of anemia (46%), the number of births of one baby (66%), with blood type O (67%), and rhesus positive (96%).

**Keywords:** Blood Components, Packed Red Cells, Maternity Patients

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