

GAMBARAN DISTRIBUSI *PACKED RED CELLS* BERDASARKAN KADAR HEMOGLOBIN PASIEN THALASSEMIA DI RSUD SLEMAN

TAHUN 2023

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INTISARI

Latar Belakang: Penyakit Thalassemia menyebabkan penurunan kadar Hb pada penderitanya hingga membutuhkan transfusi darah. Di RSUD Sleman terjadi peningkatan kebutuhan PRC setiap tahunnya bagi pasien Thalassemia yang menyebabkan kenaikan permintaan stok PRC ke UTD PMI.

Tujuan: Untuk mengetahui gambaran distribusi PRC berdasarkan kadar hemoglobin pasien thalassemia di RSUD Sleman tahun 2023

Metode Penelitian: Data dari BDRS kemudian diolah menggunakan *microsoft excel*. Sampel yang digunakan berjumlah 30 dengan teknik pengambilan sampel yaitu *total sampling*.

Hasil Penelitian: Jumlah penggunaan komponen PRC bagi pasien thalassemia di RSUD Sleman pada transfusi terakhir di tahun 2023 sebanyak 35 kantong. Karakteristik pasien berdasarkan usia terbanyak adalah 26-45 tahun (36,67%), berdasarkan jenis kelamin adalah laki-laki (53,33%), berdasarkan kadar hemoglobin pasien memiliki kadar hemoglobin ≥ 7 g/dl (83,33%), berdasarkan jeda waktu transfusi pasien adalah < 2 minggu (60,00%), berdasarkan distribusi PRC berdasarkan golongan darah yaitu golongan darah B (47,31), dan berdasarkan distribusi PRC berdasarkan kadar Hb adalah ≥ 7 g/dl dengan pembagian antara pasien pengguna 1 kantong sebanyak 22 orang (73,33%) dan pasien pengguna 2 kantong sebanyak 3 orang (10,00%).

Kesimpulan: Jumlah penggunaan komponen PRC pada transfusi terakhir di tahun 2023 sebanyak 35 kantong. Mayoritas pasien adalah dengan rentang usia 26-45 tahun, berjenis kelamin laki-laki, dengan golongan darah terbanyak yaitu B rhesus positif, dan jeda waktu transfusi yaitu < 2 minggu sekali.

Kata Kunci: *Packed Red Cell*, Thalassemia, Transfusi Darah

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**DESCRIPTION OF THE DISTRIBUTION OF *PACKED RED CELLS*
BASED ON HAEMOGLOBIN LEVELS OF THALASSEMIA PATIENTS
AT RSUD SLEMAN**

YEAR 2023

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ABSTRACT

Background: Thalassemia disease cause a decrease in Hb levels in sufferers, requiring to blood transfusions. At RSUD Sleman, there is an increased in the need PRC for PRC every year for thalassemia patients causes an increase in demand for PRC stock to UTD PMI.

Objective: To determine the distribution of PRC based on hemoglobin levels of thalassemia patients at RSUD Sleman in 2023.

Research Methods: Data from BDRS is then processed using Microsoft Excel. The samples used amounted to 30 with the sampling technique, namely total sampling.

Research Results: The number of PRC components used for thalassemia patients at RSUD Sleman in the last transfusion in 2023 was 35 bags. Patient characteristics based on age were mostly 26-45 years (36,67%), based on gender were male (53,33%), based on hemoglobin levels patients had hemoglobin levels ≥ 7 g/dl (83,33%), based on the transfusion time lag was < 2 weeks (60,00%), based on the distribution of PRC based on blood type is blood type B (47,31%), and based on the distribution of PRC based on the Hb levels is ≥ 7 g/dl with a division between patients using 1 bag as many as 22 people (73,33%) and patients using 2 bags as many as 2 people (10,00%).

Conclusion: The total PRC components used in last transfusion in 2023 was 35 bags. The majority of patients were in the age range of 26-45 years, male, with the most blood type being B rhesus positive, and the transfusion time interval was < 2 weeks.

Keywords: Packed Red Cell, Thalassemia, Blood Transfusion

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