

GAMBARAN PENGGUNAAN KOMPONEN DARAH PACKED RED CELL (PRC) DI UNIT DONOR DARAH PMI KABUPATEN SLEMAN

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INTISARI

Latar Belakang: Komponen darah *Packed Red Cell* (PRC) merupakan komponen darah yang banyak di produksi dan mudah rusak (*perishable product*) sehingga memerlukan batas usia penggunaan dan memerlukan masa simpan agar tetap mempertahankan kualitas dari komponen darah.

Tujuan: Mengetahui gambaran komponen darah *Packed Red Cell* (PRC) di UDD PMI Kabupaten Sleman tahun 2021.

Metode Penelitian: Metode penelitian ini adalah deskriptif kuantitatif dengan desain *cross sectional* melalui pengumpulan data sekunder penggunaan komponen darah *Packed Red cell* (PRC). Data diperoleh dari lembar *check list* dan diolah menggunakan aplikasi *software SPSS*. Sampel yang digunakan berjumlah 98 sampel dari 6.328 permintaan *Packed Red cell* (PRC) dengan teknik pengambilan sampel yaitu *simple random sampling*.

Hasil Penelitian: Jumlah penggunaan komponen darah *Packed Red cell* (PRC) di UDD PMI Kabupaten sleman tahun 2021 sebanyak 6.328 permintaan dan sampel yang digunakan berjumlah 98 sampel. Karakteristik pasien berdasarkan jenis kelamin mayoritas berjenis kelamin perempuan sebanyak 59 permintaan dengan persentase 60,2%, berdasarkan golongan darah ABO terbanyak adalah golongan darah B sebanyak 33 permintaan dengan persentase 33,7%, sedangkan permintaan perbulan terbanyak ada pada bulan desember yaitu sebanyak 10 permintaan dengan persentase 10,4% dan bedasarkan indikasi bagian bangsal pasien terbanyak dari bangsal penyakit dalam sebanyak 47 permintaan dengan persentase 48,2%.

Kesimpulan: Jumlah penggunaan komponen darah *Packed Red cell* (PRC) sebanyak 98 permintaan. Mayoritas permintaan darah berjenis kelamin perempuan, dengan golongan darah B, permintaan terbanyak pada bulan desember dan kebanyakan dari bangsal bagian dalam.

Kata kunci: *Komponen darah, Packed Red cell (PRC), Penggunaan PRC*

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**DESCRIPTION OF THE USE OF PACKED RED CELL BLOOD
COMPONENTS (PRC) AT THE BLOOD DONATION UNIT OF PMI
SLEMAN REGENCY IN 2021**

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ABSTRACT

Background: Blood component *Packed Red Cell* (PRC) is a blood component that high production and perishable product. This product has time limit and need saving period to keep component blood quality.

Objective: The objective of this study was to describe of using blood component *Packed Red Cell* (PRC) in Blood Donation Unit PMI Sleman Regency in 2021.

Method: This research method is descriptive quantitative with cross sectional design through secondary data collection using packed red cell (PRC) blood components. The data was obtained from the check list sheet and processed using the SPSS software application. The sample used is 98 samples from 6,328 requests for Packed Red Cell (PRC) with a sampling technique that is simple random sampling.

Research: The number of use of packed red cell (PRC) blood components at Blood Donation Unit PMI Sleman Regency in 2021 was 6,328 requests and the samples used were 98 samples. Characteristics of patients based on gender, the majority were female as many as 59 requests with a percentage of 60.2%, based on ABO blood group the most was blood type B with 33 requests with a percentage of 33.7%, while the highest monthly requests were in December, namely 10 requests. with a percentage of 10.4% and based on the indications of the most part of the patient ward from the internal medicine ward as many as 47 requests with a percentage of 48.2%.

Conclusion: The total use of packed red cell (PRC) blood components is 98 requests. The majority of requests for blood are female, with blood type B, the most requests in December and mostly from the inner ward.

Keywords: Blood components, Packed Red cell (PRC), Use of PRC.

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