

GAMBARAN PENGGUNAAN KOMPONEN DARAH PACKED RED CELL di UTD PMI KABUPATEN SLEMAN TAHUN 2019

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INTISARI

Latar Belakang: *Packed Red Cells* (PRC) merupakan sediaan produk darah yang tercatat paling banyak digunakan pada transfusi darah. Indikasi penggunaan PRC adalah untuk menaikkan kadar hemoglobin pada pasein. 1 unit PRC dapat menaikkan kadar hematokrit 3-5 %. Berdasarkan studi pendahuluan di Unit Tranfusi Darah (UTD) PMI Kabupaten Sleman bahwa penggunaan komponen darah PRC pada bulan Januari-Desember 2019 sebanyak 8212 kantong darah.

Tujuan Penelitian: Penelitian ini bertujuan untuk mengetahui gambaran Penggunaan Komponen Darah PRC di UTD PMI Kabupaten Sleman.

Metode Penelitian: Metode penelitian ini merupakan jenis penelitian kuantitatif dengan mengambil data yang diperoleh dari sampel populasi penelitian. Desain penelitian ini menggunakan desain penelitian deskriptif dengan menggunakan pendekatan retrospektif.

Hasil Penelitian: Didapatkan hasil bahwa distribusi frekuensi penggunaan komponen darah PRC di UTD PMI Kabupaten Sleman tahun 2019 ditinjau dari golongan darah ABO sebanyak 8212 kantong darah dengan rincian, golongan darah AB didapatkan jumlah 548 kantong darah dengan presentase 6%, golongan darah B didapatkan jumlah 2037 kantong darah dengan presentase 25%, golongan darah A didapatkan jumlah 2442 kantong darah dengan presentase 30% dan golongan darah O didapatkan jumlah 3185 dengan presentase 39%.

Kesimpulan : Dari data yang diperoleh tersebut golongan darah yang paling banyak permintaannya adalah golongan darah O yaitu 3185 kantong (39%). Permintaan komponen darah PRC paling banyak yaitu PKU Gamping 3132 kantong (38,14%).

Kata Kunci: *Darah, Packed Red Cells (PRC), Unit Tranfusi Darah (UTD)*

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DESCRIPTION OF THE USE OF BLOOD COMPONENTS OF PACKED RED CELLS IN BLOOD TRANSFUSION UNITS OF INDONESIA RED CROSS, SLEMAN REGENCY

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ABSTRACT

Background: Packed Red Cells (PRC) are the most defective blood product preparations used in blood transfusions. The indication for the use of PRC is to increase hemoglobin levels in patients. 1 unit of PRC can increase the hematocrit level 3-5%. Based on a preliminary study at the PMI Sleman Regency Blood Transfusion Unit (UTD), the use of PRC blood components in January-December 2019 was 8212 blood bags. **Research Objectives:** This study aims to determine the description of the use of PRC blood components at UTD PMI Sleman Regency.

Objective: This objective of study was determine the description of the Use of PRC Blood Components at UTD PMI Sleman Regency.

Methods: This research method is a type of quantitative research by taking data obtained from a sample of the study population. The research design used a descriptive research design using a retrospective approach.

Result: The results showed that the frequency distribution of the use of PRC blood components at UTD PMI Sleman Regency in 2019 in terms of ABO blood group as many as 8212 blood bags with details, AB blood group got the number of 548 blood bags with a percentage of 6%, blood group B got the number of 2037 blood bags with The percentage was 25%, blood group A got 2442 blood bags with a percentage of 30% and blood group O got the number 3185 with a percentage of 39%.

Conclusion: From the data obtained, the blood type that has the most demand is blood type O, namely 3185 bags (39%). The most demand for PRC blood components was PKU Gamping 3132 bags (38.14%).

Keywords: Blood, Packed Red Cells (PRC), Blood Transfusion Unit (UTD)

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