

## PENGUNAAN KOMPONEN DARAH *PACKED RED CELL* (PRC) DI RSUD WONOSARI BULAN DESEMBER 2019

Tegar Aryo Yudhanto<sup>1</sup>, Muhamat Nofiyanto<sup>2</sup>, Francisca Romana Sri Supadmi<sup>3</sup>

### INTISARI

**Latar Belakang:** *Packed Red Cell* (PRC) adalah komponen darah terbanyak dalam transfusi darah dan dapat disimpan sekitar 35-42 hari. Transfusi PRC adalah terapi *adjuvant* yang sering digunakan oleh masyarakat. Berdasarkan hal tersebut, maka kebutuhan PRC semakin meningkat yang menyebabkan pihak Bank Darah Rumah Sakit (BDRS) harus mempunyai stok PRC yang tercukupi.

**Tujuan Penelitian:** tujuan penelitian yaitu untuk mengetahui penggunaan komponen darah PRC di RSUD Wonosari periode bulan Desember 2019.

**Metode Penelitian:** Penelitian ini berjenis kuantitatif dengan pendekatan *retrospektif* melalui pengumpulan data sekunder terhadap penggunaan komponen darah PRC. Metode pengumpulan data melalui dokumen, catatan serta laporan penggunaan PRC dari BDRS Wonosari periode bulan Desember 2019. Pengolahan data menggunakan aplikasi SPSS. Lokasi penelitian yaitu di Bank Darah RSUD Wonosari, dengan jumlah sampel sebanyak 99 pasien.

**Hasil Penelitian:** Jumlah stok PRC pada periode bulan Desember 2019 di BDRS RSUD Wonosari sebanyak 250 kantong, dan jumlah kebutuhan PRC pada periode tersebut sebanyak 250 kantong. Karakteristik responden yaitu mayoritas adalah perempuan (66,7%) berusia 31-60 tahun (46,5%), bergolongan darah O (32,2%) dengan lama rawat yaitu 4 hari (28%), mayoritas pasien terdiagnosa penyakit anemia (60,6%). Nilai rata-rata Hb pasien sebelum di transfusi PRC yaitu 7,72 g/dL dan nilai rata-rata Hb pasien setelah di transfusi adalah 10,02 g/dL, tidak ada kejadian mortalitas (100%).

**Kesimpulan:** Jumlah stok PRC pada bulan Desember 2019 yaitu sebesar 250 kantong, dengan kebutuhan PRC pada bulan tersebut yaitu 250 kantong. Mayoritas pasien adalah perempuan usia 31-60 tahun terdiagnosis penyakit anemia serta bergolongan darah O. Tidak ditemukan kematian dan reaksi alergi akibat transfusi PRC.

Kata Kunci: Penggunaan PRC, Bank Darah Rumah Sakit, Transfusi darah.

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<sup>1</sup> Mahasiswa TBD Universitas Jenderal Achmad Yani Yogyakarta

<sup>2</sup> Dosen Keperawatan Universitas Jenderal Achmad Yani Yogyakarta

<sup>3</sup> Dosen TBD Universitas Jenderal Achmad Yani Yogyakarta

## THE USE OF PACKED RED CELL (PRC) BLOOD COMPONENTS AT WONOSARI HOSPITAL IN DECEMBER 2019

Tegar Aryo Yudhanto<sup>1</sup>, Muhamat Nofiyanto<sup>2</sup>, Francisca Romana Sri Supadmi<sup>3</sup>

### ABSTRACT

**Background:** Packed Red Cell (PRC) is the largest blood component in blood transfusions and can be stored for about 35-42 days. PRC transfusion is an adjuvant therapy that is often used by the public. Based on this, the need for PRC is increasing which causes the Hospital Blood Bank (BDRS) to have sufficient PRC stock.

**Research Objectives:** The research objective was to determine the use of PRC blood components in Wonosari Hospital for the period December 2019.

**Methods:** This research is a quantitative type with a retrospective approach by collecting secondary data on the use of PRC blood components. The method of data collection is through documents, notes and reports on the use of PRC from BDRS Wonosari for the period of December 2019. Data processing uses the SPSS application. The research location is the Blood Bank of Wonosari Hospital, with a total sample of 99 patients.

**Results:** The number of PRC stocks in the period December 2019 at BDRS Wonosari Hospital was 250 bags, and the number of PRC needs in that period was 250 bags. Characteristics of respondents, namely the majority are women (66.7%) aged 31-60 years (46.5%), blood type O (32.2%) with a length of stay of 4 days (28%), the majority of patients diagnosed with anemia (60.6%). The mean Hb value of the patient before the PRC transfusion was 7.72 g / dL and the mean Hb value of the patient after transfusion was 10.02 g / dL, there was no incidence of mortality (100%).

**Conclusion:** The number of PRC stocks in December 2019 was 250 bags, with the PRC needs for that month of 250 bags. The majority of patients were women aged 31-60 years diagnosed with anemia and blood group O. There were no deaths and allergic reactions due to PRC transfusions.

Keywords: Use of PRC, Hospital Blood Bank, Blood Transfusion.

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<sup>1</sup> Student of Blood Bank Technology Program Universitas Jenderal Achmad Yani Yogyakarta

<sup>2</sup> Lecturer of Nursing Study Program Universitas Jenderal Achmad Yani Yogyakarta

<sup>3</sup> Lecturer of Blood Bank Technology Program Universitas Jenderal Achmad Yani Yogyakarta