

**GAMBARAN DISTRIBUSI THROMBOCYTE CONCENTRATE  
BERDASARKAN JUMLAH TROMBOSIT PASIEN TROMBOSITOPENIA  
DI RS PKU MUHAMMADIYAH YOGYAKARTA TAHUN 2023**

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**INTISARI**

**Latar Belakang:** Trombositopenia merupakan penurunan jumlah trombosit di bawah angka normal sehingga membutuhkan transfusi darah TC. Kebutuhan TC untuk pasien Trombositopenia meningkat dan menyebabkan kenaikan permintaan stok darah TC ke UTD PMI.

**Tujuan:** Mengetahui Gambaran Distribusi *Thrombocyte Concentrate* Berdasarkan Jumlah Trombosit Pasien Trombositopenia di RS PKU Muhammadiyah Yogyakarta Tahun 2023.

**Metode Penelitian:** Metode penelitian adalah deskriptif kuantitatif. Sampel yang digunakan sebanyak 37 sampel, teknik pengambilan sampel yaitu *total sampling*. Metode pengumpulan data bersifat sekunder dan diperoleh melalui penyalinan data dari rekap laporan jumlah trombosit sebelum transfusi dan distribusi kantong komponen darah TC di BDRS dan Rekam Medis pada tahun 2023.

**Hasil Penelitian:** Jumlah distribusi TC untuk pasien Trombositopenia tahun 2023 sebanyak 192 kantong. Pasien yang menerima transfusi TC paling banyak berusia >46 tahun (75,68%), berjenis kelamin laki-laki (70.27%), dan bergolongan darah O (39.06%). Distribusi TC berdasarkan jumlah trombosit pasien adalah <50.000/ $\mu$ l sebanyak 25 kantong (67.57%) dan  $\geq$ 50.000/ $\mu$ l sebanyak 12 kantong (32.43%). Distribusi TC berdasarkan jumlah kantong TC yang ditransfusikan pada satu pasien adalah transfusi 1 kantong sebanyak 0 pasien (0.00%), 4 kantong sebanyak 2 pasien (8%), 5 kantong sebanyak 12 (48%), 6 kantong sebanyak 11 pasien (44%).

**Kesimpulan:** Komponen darah TC lebih banyak didistribusikan pada pasien dengan jumlah trombosit <50.000/ $\mu$ l dan jumlah kantong TC yang ditransfusikan paling banyak adalah 5 kantong.

**Kata Kunci:** *Thrombocyte Concentrate*, Trombositopenia, Transfusi Darah

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**DESCRIPTION OF THE DISTRIBUTION OF THROMBOCYTE  
CONCENTRATE BASED ON THE NUMBER OF THROMBOCYTES OF  
THROMBOCYTOPENIA PATIENTS AT RS PKU MUHAMMADIYAH  
YOGYAKARTA IN 2023**

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**ABSTRACT**

**Background:** Thrombocytopenia is a decrease in platelet count below normal, requiring TC blood transfusion. The need for TC for Thrombocytopenia patients is increasing and causes an increase in demand for TC blood stock to UTD PMI.

**Objective:** To determine the distribution of thrombocyte concentrate based on platelet count of thrombocytopenia patients at PKU Muhammadiyah Yogyakarta Hospital in 2023.

**Research Methods:** The research method is descriptive quantitative. The sample used was 37 samples, the sampling technique was total sampling. The data collection method is secondary and obtained through copying data from a recap of the platelet count report before transfusion and the distribution of TC blood component bags in BDRS and Medical Records in 2023.

**Results:** The number of TC distribution for Thrombocytopenia patients in 2023 was 192 bags. Patients who received TC transfusion were mostly >46 years old (75.68%), male (70.27%), and blood type O (39.06%). The distribution of TC based on the patient's platelet count was <50,000/ $\mu$ l with 25 bags (67.57%) and  $\geq$ 50,000/ $\mu$ l with 12 bags (32.43%). TC distribution based on the number of TC bags transfused in one patient was 1 bag transfusion for 0 patients (0.00%), 4 bags for 2 patients (8%), 5 bags for 12 (48%), 6 bags for 11 patients (44%).

**Conclusion:** TC blood components were distributed more in patients with platelet count <50,000/ $\mu$ l and the maximum number of TC bags transfused was 5 bags.

**Keywords:** *Thrombocyte Concentrate*, Thrombocytopenia, Blood Transfusion

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