

**GAMBARAN PERMINTAAN DARAH *PACKED RED CELLS* (PRC)
PASIEN *THALASSEMIA* DI UDD PMI KABUPATEN BANTUL
TAHUN 2024**

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INTISARI

Latar Belakang: *Thalassemia* merupakan penyakit genetik yang menyebabkan gangguan produksi hemoglobin, sehingga pasien mengalami anemia kronis dan memerlukan transfusi darah seumur hidup. Salah satu komponen darah yang sering digunakan adalah *Packed Red Cells*.

Tujuan: Mengetahui gambaran permintaan darah PRC pasien *Thalassemia* berdasarkan golongan darah, jenis kelamin, dan usia di UDD PMI Kabupaten Bantul tahun 2024.

Metode Penelitian: Penelitian ini menggunakan metode deskriptif kuantitatif dengan data sekunder yang diperoleh dari dokumen permintaan darah di UDD PMI Kabupaten Bantul pada Agustus–Desember 2024. Data dianalisis secara deskriptif menggunakan distribusi frekuensi dan persentase.

Hasil Penelitian: Total permintaan darah PRC dari pasien *Thalassemia* sebanyak 75 kantong. Permintaan tertinggi berasal dari golongan darah O (49,33%), diikuti golongan B (42,67%), dan A (8%). Berdasarkan jenis kelamin, 59,1% berasal dari pasien laki-laki dan 40,9% perempuan. Berdasarkan usia, mayoritas permintaan berasal dari kelompok usia remaja (10–18 tahun) sebanyak 68,2%, dan anak-anak (0–9 tahun) sebanyak 31,8%.

Kesimpulan: Permintaan darah PRC pasien *Thalassemia* di UDD PMI Kabupaten Bantul tahun 2024 didominasi oleh golongan darah O (49,33%), jenis kelamin laki-laki (59,09%), dan usia remaja 10–18 tahun remaja.

Kata Kunci : Golongan Darah, Permintaan Darah, PRC, *Thalassemia*, UDD PMI

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**THE DESCRIPTION OF PACKED RED CELLS (PRC) BLOOD
REQUEST OF THALASSEMIA PATIENTS AT UUD PMI BANTUL
REGENCY IN 2024**

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ABSTRACT

Background: Thalassemia is a genetic disease which can disrupt the production of hemoglobin, which might result in chronic anemia and lifelong blood transfusions. One of the most commonly used blood components are packed red blood cells.

Objectives: To determine the description of PRC blood request for Thalassemia patients based on blood type, gender, and age at the UDD PMI Bantul Regency in 2024

Research Method: This research applies a descriptive quantitative method with the secondary data obtained from blood request documents at UDD PMI Bantul Regency in August – December 2024. The data were analyzed descriptively using frequency distribution and percentages.

Research Results: The total request for PRC blood from Thalassemia patients was 75 bags. The highest request came from O blood type (49.33%), followed by B blood type (42.67%), and A blood type (8%). Based on the gender, 59.1% came from male patients and 40.9% came from female patients. Based on the age, the majority of the request came from the teenager age group (10 – 18 years) at 68.2%, and children (0 – 9 years) at 31.8%.

Results: The PRC blood request patients of Thalassemia in UDD PMI Bantul Regency in 2024 was dominated by O blood type (49.33%), male gender (59.09%), and teenager age group, 10 – 18 years old

Keywords: Blood Type, Blood Request, PRC, Thalassemia, UUD PMI.

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