

# GAMBARAN HASIL *QUALITY CONTROL* KOMPONEN *THROMBOCYTE CONCENTRATE* (TC) DI UDD PMI KABUPATEN KLATEN TAHUN 2024

Elviyana Putri Y.A<sup>1</sup> , Francisca Romana Sri S<sup>2</sup>, Nur'Aini Purnamaningsih<sup>3</sup>

## INTISARI

**Latar Belakang:** *Thrombocyte Concentrate* (TC) merupakan komponen darah penting untuk pasien dengan gangguan perdarahan. *Quality Control* (QC) adalah suatu proses pemeriksaan yang digunakan untuk memastikan bahwa spesifikasi terpenuhi guna mengurangi risiko kesalahan.

**Tujuan Penelitian:** Mengetahui gambaran hasil *Quality Control* komponen *Thrombocyte Concentrate* di UDD PMI Kabupaten Klaten Tahun 2024.

**Metode Penelitian:** Merupakan jenis penelitian deskriptif kuantitatif, yang menguji sebanyak 12 sampel yang diperoleh dari buku data sekunder tahunan komponen *Thrombocyte Concentrate* menggunakan analisis data dengan aplikasi SPSS versi 27 untuk mengolah presentase hasil uji mutu komponen darah *Thrombocyte Concentrate*.

**Hasil Penelitian:** Hasil menunjukkan pada *Quality Control* parameter pengamatan fisik yaitu Golongan darah ABO Rh, IMLTD dan Volume didapatkan kelulusan 12 sampel (100%), pada parameter hematologi jumlah trombosit didapatkan kelulusan 3 sampel (25%), residual leukosit didapatkan kelulusan 12 sampel (100%), pada parameter biokimia yaitu pH, kontaminasi bakteri dan swirling didapatkan kelulusan 12 sampel (100%).

**Kesimpulan:** Hasil *Quality Control* (QC) di UDD PMI Kabupaten Klaten tahun 2024 belum memenuhi standar PMK 91 Tahun 2015, dengan jumlah sampel lulus 3 sampel (25%).

**Kata Kunci:** *Quality Control, Thrombocyte Concentrate, UDD PMI Kabupaten Klaten.*

---

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

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

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

# DESCRIPTION OF THE RESULTS OF QUALITY CONTROL OF THROMBOCYTE CONCENTRATE (TC) COMPONENTS IN THE BLOOD DONOR UNIT OF THE INDONESIAN RED CROSS OF KLATEN REGENCY IN 2024

Elviyana Putri Y.A<sup>1</sup> , Francisca Romana Sri S<sup>2</sup>, Nur'Aini Purnamaningsih<sup>3</sup>

## ABSTRACT

**Background:** *Thrombocyte Concentrate* (TC) is an important blood component for patients with bleeding disorders. *Quality Control* (QC) is an inspection process used to ensure that specifications are met to reduce the risk of errors.

**Objective:** Knowing the description of the results of Quality Control of Thrombocyte Concentrate components at UDD PMI Klaten Regency in 2024.

**Method:** It is a type of quantitative descriptive research, which tests 12 samples obtained from the annual secondary data book of Thrombocyte Concentrate components using data analysis with the SPSS version 27 application to process the percentage of the quality test results of Thrombocyte Concentrate blood components.

**Results:** The results showed that in the Quality Control of physical observation parameters, namely ABO Rh blood group, IMLTD and Volume, 12 samples (100%) were obtained, in the hematological parameters, the platelet count was obtained in 3 samples (25%), residual leukocytes were obtained in 12 samples (100%), in biochemical parameters, namely pH, bacterial contamination and swirling, 12 samples (100%) were obtained.

**Conclusion:** The results of Quality Control (QC) at UDD PMI Klaten Regency in 2024 have not met the PMK 91 Year 2015 standard, with the number of samples passing 3 samples (25%).

**Keywords:** *Quality Control, Thrombocyte Concentrate, UDD PMI Klaten Regency.*

---

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

<sup>2</sup>Lecturer of Blood Bank Technology Program Universitas Jenderal Achmad Yani Yogyakarta

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