

GAMBARAN PRODUKSI KOMPONEN DARAH DI UDD PMI KABUPATEN SLEMAN TAHUN 2019-2021

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INTISARI

Latar Belakang: Pengolahan komponen darah merupakan salah satu bagian penting dalam upaya menyediakan produk darah yang bermutu dan berkualitas. Darah yang sudah diproduksi dari pendonor darah sukarela, diolah menjadi berbagai macam komponen darah sesuai kebutuhan. Pengolahan darah dan macam-macam komponen darah diantaranya adalah; WB (*Whole Blood*), PRC (*Packed Red Cells*), PRC-LO (*PRC Leukodepleted*), Buffycoat, LP (*Liquid Plasma*), WE (*Washed Eritrocyte*)nAHF (*Anti Hemophilyc Factor*) dan TC (*Thrombocyte Concentrate*).

Tujuan Penelitian: Untuk mengetahui jumlah produksi komponen darah di UDD PMI Kabupaten Sleman Pada Tahun 2019-2021.

Metode Penelitian: Penelitian ini menggunakan metode deskriptif kuantitatif untuk mendeskripsikan sampel secara objektif dengan menggunakan angka. Sampel penelitian ini sebanyak 23.663 kantong.

Hasil: Produksi komponen darah tahun 2019-2021 berdasarkan jenis komponen yang paling banyak yaitu *Packed Red Cell* (PRC) sebanyak 15.374 kantong (64,97%). Tahun 2021 sebanyak 56,21%, tahun 2020 sebanyak 66,56%, dan tahun 2021 sebanyak 71,08%. Produksi komponen darah tahun 2019-2021 berdasarkan golongan darah ABO yang paling banyak yaitu golongan darah O sebanyak 9.368 kantong (39,59%). Tahun 2019 sebanyak 39,72%, tahun 2020 sebanyak 41,15%, dan tahun 2021 sebanyak 38,32%.

Kesimpula: Produksi komponen darah di UDD PMI Kabupaten Sleman tahun 2019-2021 berdasarkan jenis komponen yang paling banyak yaitu *Packed Red Cell* (PRC) (64,97%) dan berdasarkan golongan darah ABO yang paling banyak yaitu golongan darah O (39,59%).

Kata Kunci: *Produksi, Komponen Darah, UDD PMI Kabupaten Sleman*

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DESCRIPTION OF BLOOD COMPONENT PRODUCTION IN UDD PMI, SLEMAN REGENCY, 2019-2021

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ABSTRACT

Background: Processing of blood components is an important part in the effort to provide quality and quality blood products. Blood that has been produced from voluntary blood donors is processed into various blood components as needed. Processing of blood and various blood components including; WB (Whole Blood), PRC (Packed Red Cells), PRC-LO (PRC Leukodepleted), Buffycoat, LP (Liquid Plasma), WE (Washed Erythrocyte) nAHF (Anti Hemophilic Factor) and TC (Thrombocyte Concentrate).

Research Objectives: To determine the amount of blood component production in UDD PMI Sleman Regency in 2019-2021.

Research Methods: This study uses a quantitative descriptive method to describe the sample objectively using numbers. The sample of this study was 23,663 bags.

Results: The production of blood components in 2019-2021 based on the type of component with the most, Packed Red Cell (PRC) as many as 15,374 bags (64.97%). In 2019 it will be 56.21%, in 2020 it will be 66.56%, and in 2021 it will be 71.08%. The production of blood components in 2019-2021 based on the most ABO blood group is blood type O as many as 9,368 bags (39.59%). In 2019 it was 39.72%, in 2020 it was 41.15%, and in 2021 it was 38.32%.

Conclusion: The production of blood components at UDD PMI Sleman Regency in 2019-2021 was based on the type of component with the most, namely Packed Red Cell (PRC) (64.97%) and based on the most ABO blood group, blood type O (39.59%).

Keywords: Production, Blood Components, UDD PMI Sleman Regency

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