

DISTRIBUSI KOMPONEN DARAH THROMBOCYTE CONCENTRATE DI UTD PMI KOTA PONTIANAK TAHUN 2019

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INTISARI

Latar Belakang: Transfusi darah menjadi komponen penting dalam pengelolaan pasien dengan luka pada kasus kecelakaan, kondisi bedah, keganasan, komplikasi kehamilan, anemia, hemodialisa, dan kondisi medis yang lainnya. Darah yang dipindahkan dapat berupa darah lengkap dan komponen darah seperti *Packed Red Cells* (PRC), *Thrombocyte Concentrate* (TC), *Anti Hemofilia Factor* (AHF)/ *Cryoprecipitate*, *Fresh Frozen Plasma* (FFP), *Buffy Coat* (BC), *Liquid Plasma* (LP).

Tujuan Penelitian: Penelitian ini bertujuan untuk mengetahui distribusi komponen darah *Thrombocyte Concentrate* (TC) di UTD PMI Kota Pontianak.

Metode Penelitian: Desain penelitian ini merupakan penelitian kuantitatif dengan desain deskriptif, pendekatan waktu yang digunakan adalah retrospektif dengan mengumpulkan dan mengolah seluruh data distribusi komponen darah *Thrombocyte Concentrate* (TC) di UTD PMI Kota Pontianak Tahun 2019. Pengolahan dan analisis data dalam penelitian ini menggunakan aplikasi *Statistical Product and Service Solutions* (SPSS).

Hasil Penelitian: Hasil analisis data jumlah permintaan TC sebanyak 5.427 kantong dalam 12 bulan, dengan rata-rata (Mean) 452,25 dan sebaran data (Std. Deviasi) 224,620 lebih besar daripada jumlah sediaan dan distribusi TC sebanyak 3.444 kantong dalam 12 bulan, dengan rata-rata (Mean) 287 dan sebaran data (Std. Deviasi) 79,681. Permintaan dan distribusi terbanyak adalah RSUD Dr. Soedarso, sedangkan yang paling sedikit adalah RSB Nabasa.

Kesimpulan: Distribusi komponen darah TC di UTD PMI Kota Pontianak masih memerlukan peningkatan baik untuk persediaan maupun distribusi agar terpenuhi jumlah permintaan TC.

Kata kunci: Distribusi komponen darah, *Thrombocyte Concentrate* (TC)

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**DISTRIBUTION OF BLOOD COMPONENTS THROMBOCYTE
CONCENTRATE IN INDONESIAN RED CROSS BLOOD TRANSFUSION
SERVICE PONTIANAK CITY PMI IN 2019**

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ABSTRACT

Background: Blood transfusions become an important component in the management of patients with injuries to cases of accidents, surgical conditions, violence, pregnancy complications, anemia, hemodialysis, and other medical conditions. The blood transferred can be complete blood and blood components such as Packed Red Cells (PRC), Thrombocyte Concentrate (TC), Anti hemophilia Factor (AHF)/Cryoprecipitate, Fresh Frozen Plasma (FFP), Buffy Coat (BC), Liquid Plasma (LP).

Objective: This research aims to determine the distribution of blood component Thrombocyte Concentrate (TC) in Indonesian Red Cross Blood Transfusion Service Pontianak City.

Method: The design of this research is a quantitative study with a descriptive design, the approach of time used is retrospective by collecting and processing all the distribution data of blood component Thrombocyte Concentrate (TC) in Indonesian Red Cross Blood Transfusion Service Pontianak City in 2019. Processing and analyzing data in this study using the Statistical Product and Service Solutions (SPSS) application.

Result: Data analysis results of the number of Thrombocyte Concentrate requests 5,427 bags in 12 months, with an average (Mean) of 452.25 and a data spread (Std. Deviation) of 224.620 is greater than the dosage amount and the distribution of Thrombocyte Concentrate 3,444 bags in 12 months, with an average (Mean) 287 and a data spread (Std. Deviation) 79.681. The most demand and distribution is Dr. Soedarso country general hospital, while the fewest are the Nabasa maternity hospital.

Conclusions: The distribution of Thrombocyte Concentrate blood components in Indonesian Red Cross Blood Transfusion Service Pontianak City still needs improvement for both inventory and distribution to be fulfilled the number of Thrombocyte Concentrate requests.

Keyword: Distribution of blood components, Thrombocyte Concentrate (TC)

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