

HASIL *CROSSMATCHING* DAN *DIRECT COOMB'S TEST* PASIEN DI RSUD SENTOT PATROL INDRAMAYU MEI TAHUN 2023

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INTISARI

Latar Belakang: Bank Darah Rumah Sakit (BDRS) merupakan salah satu unit pelayanan di rumah sakit yang menyediakan kebutuhan darah untuk pasien yang membutuhkan tindakan transfusi. Sebelum transfusi darah perlu dilakukan pemeriksaan pratreansfusi agar produk darah yang diberikan kepada pasien aman dan bermanfaat. Pada tahun 2022, BDRS Sentot Patrol Indramayu mengalami peningkatan kasus inkompatibel sebanyak 25%. Oleh sebab itu hasil *crossmatching* dan *Direct Coomb's Test* (DCT) diperlukan untuk mengetahui kemungkinan penyebab inkompatibilitas.

Tujuan Penelitian: Penelitian ini bertujuan untuk mengetahui gambaran hasil *crossmatching* dan *direct coomb's test* pada pasien di RSUD Sentot Patrol Indramayu.

Metode Penelitian: Penelitian ini menggunakan deskriptif kuantitatif. Sampel dalam penelitian ini adalah pasien yang membutuhkan transfusi darah di RSUD Sentot Patrol Indramayu pada Bulan Mei Tahun 2023 dengan teknik *accidental sampling* sebanyak 99 sampel pasien.

Hasil Penelitian: Berdasarkan hasil penelitian yang dilakukan, dari 99 sampel pasien, hasil *crossmatching* kompatibel sebanyak 39 pasien (39,39%), dan inkompatibel sebanyak 60 pasien (60,61%), dengan inkompatibel Minor & Auto Kontrol sebanyak 55 pasien (91,7%), Mayor, Minor, & Auto Kontrol sebanyak 3 pasien (5%), serta inkompatibel Mayor sebanyak 2 pasien (3,3%). Hasil pemeriksaan DCT dari 58 pasien didapatkan hasil sebanyak 58 pasien (100%) dengan hasil DCT positif.

Kesimpulan: Hasil penelitian ini menunjukkan bahwa hasil *crossmatching* dan *Direct Coomb's Test* (DCT) yang paling banyak adalah hasil *crossmatching* inkompatibel terdapat 60 pasien (60,61%), dan seluruh hasil DCT positif (100%).

Kata Kunci: *Crossmatching*, *Direct Coomb's Test* (DCT), Inkompatibilitas.

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**RESULTS OF CROSSMATCHING AND DIRECT COOMB'S TEST
PATIENTS AT SENTOT PATROL HOSPITAL INDRAMAYU
MAY 2023**

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ABSTRACT

Background: Hospital Blood Bank is a service unit in a hospital that provides blood for patients who need transfusions. Before blood transfusion, it is necessary to carry out pre-transfusion tests so that the blood products given to patients are safe and beneficial. In 2022 Hospital Blood Bank Sentot Patrol Indramayu will experience a 25% increase in incompatible cases. Therefore the results of crossmatching and Direct Coomb's Test (DCT) are needed to determine possible causes of incompatibilities.

Objectives: This study aims to describe the results of crossmatching and direct coomb's test in patients at Sentot Patrol Hospital Indramayu.

Method: This study uses a quantitative descriptive. The sample in this study were patients who needed blood transfusions at the Sentot Patrol Hospital Indramayu in May 2023 with an accidental sampling technique of 99 patient samples.

Results: Based on the results of the research conducted, out of 99 patient samples, crossmatching results were compatible in 39 patients (39.39%), and incompatible in 60 patients (60.61%), with Minor incompatibility & Auto Control in 55 patients (91.7%)., Major, Minor, & Auto Control in 3 patients (5%), and Major incompatibility in 2 patients (3.3%). The results of the DCT examination of 58 patients showed that 58 patients (100%) had positive DCT results.

Conclusion: The results of this study showed that the most crossmatching and Direct Coomb's Test (DCT) results were incompatible crossmatching results in 60 patients (60.61%), and all DCT results were positive (100%).

Keywords: Crossmatching, Direct Coomb's Test (DCT), incompatibility.

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