

**GAMBARAN HASIL *INCOMPABILITY CROSSMATCHING* PADA  
*PACKED RED CELLS* DI UDD PMI KABUPATEN GUNUNGGKIDUL  
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**INTISARI**

**Latar Belakang:** *Packed Red Cells* (PRC) merupakan komponen darah yang didapat dengan cara mengurangi sebagian besar volume plasma dari darah utuh, maupun dengan *apheresis*. Indikasi pemberian transfusi PRC adalah sebagai pengganti kekurangan sel darah merah. Sebelum dilakukan transfusi darah pada pasien perlu dilakukan pemeriksaan *crossmatching* untuk menjamin kecocokan darah donor dan pasien dengan interpretasi hasil kompatibel/cocok dan inkompatibel/tidak cocok.

**Tujuan Penelitian:** Untuk mengetahui gambaran *Incompability* pemeriksaan *crossmatching* pada komponen darah PRC di UDD PMI Kabupaten Gunungkidul.

**Metode Penelitian:** Menggunakan metode deskriptif kuantitatif dengan pendekatan waktu retrospektif. Sampel yang digunakan adalah 43 hasil *incompability crossmatching* di UDD PMI Kabupaten Gunungkidul menggunakan teknik total sampling. Pengolahan dan analisis menggunakan *software* SPSS 16.0.

**Hasil Penelitian:** Hasil penelitian menunjukkan sebanyak 93,0% (40 sampel) didapatkan *incompatible crossmathing* dengan jenis Minor-Autokontrol, 62,8% (27 pasien) *incompability crossmatching* didapatkan pada laki-laki. Berdasarkan usia sebanyak 44,2% (19 pasien) hasil *incompability crossmatching* didapatkan pada lanjut usia (>60 tahun) dan 37,2% (16 pasien) hasil *incompability crossmatching* didapatkan pada golongan darah O rhesus positif. Diaganosis pasien dengan *incompatibility crossmatching* sebanyak 90,7% (39 pasien) adalah anemia, dan 79,1% (34 pasien) dengan hasil *incompability crossmatching* didapatkan pada riwayat transfusi <10 kali.

**Kesimpulan:** Disimpulkan pada pemeriksaan *incompability crossmatching* paling banyak adalah Minor-Autokontrol (93,0%), pada laki-laki (62,8%), lanjut usia (44,2%), golongan darah O rhesus positif (37,2%), diagnosis anemia (90,7%), dan riwayat transfusi <10 kali (79,1%).

**Kata Kunci:** *Packed Red Cells, Incompability, Crossmatching*

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# OVERVIEW OF INCOMPABILITY CROSSMATCHING RESULTS IN PACKED RED CELLS UDD PMI GUNUNGKIDUL REGENCY IN 2021

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## ABSTRACT

**Background:** Packed Red Cells (PRC) are blood components obtained by reducing most of the plasma volume from whole blood, as well as by apheresis. The indication for PRC transfusion is to replace the lack of red blood cells. Before blood transfusion is performed on the patient, it is necessary to do a crossmatching examination to ensure the match between the donor's and the patient's blood with the interpretation of the results being compatible/matched and incompatible/not matched.

**Objective:** To describe the incompatibility of cross-matching examinations on PRC blood components at UDD PMI Gunungkidul Regency.

**Method:** Using a quantitative descriptive method with a retrospective time approach. The sample used was 43 results of incompatibility crossmatching at UDD PMI Gunungkidul Regency using a total sampling technique. Processing and analysis using SPSS 16.0 software.

**Result:** The results showed that as many as 93.0% (40 samples) with incompatibility crossmatching results were obtained in Minor-Autocontrol, 62.8% (27 patients) with incompatibility crossmatching results were obtained in men, 44.2% (19 patients) with crossmatching incompatibility results obtained in the elderly (>60 years), 37.2% (16 patients) with incompatibility crossmatching results obtained in blood type O rhesus positive, 90.7% (39 patients) with incompatibility crossmatching results obtained in anemia, and 79.1% (34 patients) with incompatibility crossmatching results were obtained on a history of transfusion <10 times.

**Conclusion:** It was concluded that incompatibility crossmatching examination occurred the most in and Minor-Autocontrol (93.0%), men (62.8%), the elderly (44.2%), blood type O rhesus positive (37.2%), anemia (90.7%), and transfusions <10 times (79.1%).

**Keywords:** *Packed Red Cells, Incompability, Crossmatching.*

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