

## ABSTRAK

Pasien kurang darah/anemia dengan kondisi Hb rendah membutuhkan transfusi Packed Red Cell (PRC). Sebelum mendapatkan transfusi kantong darah dilakukan prosespre transfusi yaitu Uji kompatibilitas meliputi Cek Golongan Darah Pasien dengan serum Typing dan Sel Grouping, cek darah donor dan uji crossmatch. Crossmatch merupakan rekasi silang serasi antara darah donor dan darah pasien. Didapatkan hasil compatible, darah siap diberikan ke pasien tapi dari tubuh pasien mengalami respon imun sekunder sehingga terjadi reaksi transfusi. Setelah didapatkan hasil crossmtach ulang dilakukan screening Ab untuk memastikan tidak timbulnya antibodi pasien.

Tujuan Penelitian ini mengetahui korelasi reaksi pemberian Packed Red Cell (PRC) dengan hasil Screening Ab pada pasien bersalin di RSUD Dr. Soetomo Surabaya. Jenis penelitian yang dilakukan adalah penelitian eksperimental dengan menggunakan rancangan penelitian post test design. Penelitian ini dilakukan di Laboratorium Crossmatch RSUD Dr. Soetomo Surabaya pada bulan Desember 2018- April 2019. Sampel penelitian kejadian penderita bersalin yang mengalami reaksi setelah pemberian Packed Red Cell (PRC) dengan screening ab setiap perlakuan dan dilakukan replikasi sebanyak empat kali.

Hasil data statistik korelasi Reaksi Pemberian Packed Red Cell (PRC) dengan screening Ab pada pasien Bersalin di RSUD Dr. Soetomo Surabaya diketahui nilai Asymp. Sig. (2-sided) pada uji Pearson Chi Square adalah sebesar  $0.008 < 0.05$ . Terdapat ada korelasi Reaksi Pemberian Packed Red Cell (PRC) dengan screening Ab pada pasien Bersalin di RSUD Dr. Soetomo Surabaya.

Kata Kunci : Reaksi Pemberian Packed Red Cell, Screening Ab, Pasien Bersalin

## ABSTRACT

Bloodless patients / anemia with low Hb conditions require Packed Red Cell (PRC) transfusion. Before getting a blood bag transfusion, a transfusion process is carried out, namely compatibility tests include Blood Group Checks for Patients with Typing and Cell Grouping serum, check donor blood and crossmatch test. Crossmatch is a matching cross-match between donor blood and patient's blood. Obtained compatible results, blood is ready to be given to the patient but from the patient's body has a secondary immune response resulting in a transfusion reaction. After the cross-referral results are obtained, Ab screening is performed to ensure that the patient does not have antibodies.

The purpose of this study was to determine the correlation of the reaction of Packed Red Cell (PRC) with the results of Screening Ab in patients giving birth at Dr. Soetomo Surabaya. This type of research is experimental research using a post test design research design. This research was conducted at the Crossmatch Laboratory at Dr. Hospital. Soetomo Surabaya in December 2018- April 2019. The study sample was the incidence of maternity patients who experienced a reaction after the provision of Packed Red Cell (PRC) with screening ab each treatment and replicated four times.

The results of the correlation statistical data of the Packed Red Cell (PRC) Reaction with Ab screening in Maternity patients at Dr. RSUD Soetomo Surabaya is known as Asymp. Sig. (2-sided) in the Pearson Chi Square test was 0.008 <0.05. There is a correlation between the Packed Red Cell (PRC) Reaction and Ab screening in Maternity patients at Dr. RSUD Soetomo Surabaya.

Keywords: Packed Red Cell Giving Reactions, Ab Screening, Maternity Patients