

OVERVIEW OF BLOOD TRANSFUSION REACTIONS AT THE BALI PROVINCIAL PMI BLOOD TRANSFUSION CENTER IN 2024

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ABSTRACT

Background: Blood transfusion is the administration or process of transferring blood from a donor to a recipient with the aim of replacing blood due to bleeding and saving the patient's life by improving the patient's health. **Research Design:** The research design used was quantitative descriptive. This study used secondary data. The population in this study consisted of all patients identified as experiencing transfusion reactions from January to December 2024, totaling 27 patients. The sample in this study consisted of all transfusion reactions recorded in the recapitulation report of transfusion reactions at the Bali Provincial PMI Blood Transfusion Unit from January to December 2024, totaling 27 patients, using total sampling technique. The data were processed using percentages and presented in tabular form. **Results:** This study shows that there were 27 cases of transfusion reactions in 2024. Based on gender, almost all of the transfusion reactions occurred in female patients, with 21 patients (77.78%) and almost all of them in the 25-65 age range, with 25 patients (89.29%). Most were blood type O (16 patients, 59.26%), most were PRC blood components (20 patients, 74.04%), with most types of acute reactions being moderate in 16 patients (59.2%). **Conclusion:** Most of the blood transfusion reactions in patients at the Bali Provincial PMI Blood Transfusion Unit in 2024 were moderate acute reactions in 16 patients with symptoms of itching and shortness of breath.

Keywords: Blood transfusion, Blood transfusion reaction