

ABSTRACT

FACTORS AFFECTING THE FAILURE OF TEMPORARY DONOR SELECTION DUE TO BLOOD PRESSURE AT THE SURABAYA PMI BLOOD TRANSFUSION UNIT IN 2026

Blood Bank Technology Diploma Program, Malang Health Polytechnic,
Jl. Besar Ijen No.77, Oro-oro Dowo, Klojen District, Malang City, East Java
65119.

Email : P17620233071annisa@poltekkes-malang.ac.id

ABSTRACT

Background: Based on a preliminary study conducted on September 9, 2025, at the Surabaya PMI Blood Transfusion Unit, the results of donor selection due to blood pressure factors from March to August 2025 showed that 12,368 donors were rejected out of a total of 75. The number of donors rejected due to blood pressure factors was 936, with an average of 161 donors per month. **Research Objective:** To determine the profile of blood donors who were temporarily rejected during the donor selection stage at the Surabaya PMI Blood Transfusion Unit in 2025. **Research Method:** This study used a descriptive research design with a quantitative approach. The sampling technique was purposive sampling. The study was conducted in October–November 2025. The sample in this study consisted of donors who experienced temporary rejection at the Surabaya PMI Blood Transfusion Unit in 2025, with a sample size of 58 people. **Research Results:** The results showed that most of the rejected donors were male, accounting for 69% (40 people). Based on age, almost half of the respondents were in the early elderly category, accounting for 29% (17 people). In terms of education level, almost half of the respondents had a bachelor's degree/diploma, accounting for 43% (25 people). In terms of occupation, nearly half of the respondents worked in the private sector, accounting for 36% (21 people). In terms of blood pressure, almost all respondents had high blood pressure, at 86% (50 people). **Conclusion:** Temporary rejection of blood donors occurred most frequently in male donors, the early elderly age group (46–55 years), with high blood pressure problems. Therefore, pre-donor education is needed to reduce the incidence of temporary rejection of blood donors.

Keywords: blood donation; donor selection rejection; temporary rejection; blood pressure; PMI Blood Donation Unit.