FAKTOR-FAKTOR PENOLAKAN SEMENTARA DONOR DARAH DI UDD PMI TULUNGAGUNG

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ABSTRACT

Blood donation is a voluntary process to save lives through transfusion. However, the donor selection failure rate at the PMI Tulungagung Blood Donation Unit reached 92% in November 2022, with low hemoglobin levels being the main cause. This study aims to analyze the factors leading to temporary rejection to improve blood stock availability. The study uses a descriptive quantitative method with secondary data from reports of temporarily rejected donors from January to December 2024. The sample was selected using total sampling and analyzed descriptively. The results identified eight main factors causing rejection: age, blood pressure, hemoglobin levels, and body weight <45 kg. The age group of 25–44 years (20,249 people, 44.10%) and the low blood pressure group (1,333 people, 81.13%) were the most frequently rejected. the low hemoglobin group (2,461 people, 92.62%) and the underweight group (22 people, 0.24%) were the least rejected. These findings emphasize the importance of health education and awareness of blood donation requirements. Intervention programs such as nutritional supplementation and health education are recommended to reduce rejection rates and increase the number of donors.

Keywords: *blood donation, hemoglobin, temporary rejection*