ABSTRACK

Nanda Ariny Salsabila M (2024). Overview of Blood Transfusion Needs Based on Demand from the Gynecology Treatment Room at UTD PMI Malang Regency. Descriptive Case Study Scientific Paper. DIII Blood Bank Technology Study Program. Department of Pharmacy and Food Analysis. Health Polytechnic of the Ministry of Health Malang. Supervisor: Sri Mudayatiningsih, S.Kp, M.Kes.

Blood transfusion is one of the important therapies in saving the lives of patients, especially pregnant women and childbirth. Factors that influence the need for blood transfusions for pregnant women are decreased Hb levels that cause anemia and post SC bleeding. The purpose of this study was to determine the description of blood transfusion needs based on requests from the obstetric care room at UTD PMI Malang Regency. Descriptive research design with quantitative methods, using consecutive samples from simdondar data from January to December 2024. The results of the study showed that the demand for blood from the obstetric ward at UTD PMI Malang Regency in 2024 was 1,343 blood bags. The most demand based on age 20-35 years as many as 371 (50.3%) patients, based on the most blood type 564 (41.9%) bags of blood type O, diagnosis of anemia as many as 395 (53.5%) patients, and the type of blood component PRC as many as 1,246 (92.7%) blood bags. Provision of PRC blood component types at UTD PMI Malang Regency so that it can be maintained in a safe position so that demand can be met.

Keywords: Blood transfusion requirements, obstetric care rooms, blood components