ABSTRACT

Siti Salsa Nafisa Azmi (2024). Fulfillment of Blood Needs Based on Blood Type in UDD PMI Sidoarjo Regency in 2023. Scientific Writing, Descriptive Literature Study. Malang Blood Bank Technology DIII Study Program. Department of Pharmaceutical and Food Analysis. Ministry of Health Malang Health Polytechnic. Supervisor: Sri Mudayatiningsih, S.Kp, M.Kes

Fulfillment of blood availability as blood stock to meet needs, but too much blood stock results in significant losses, because blood has a limited usage period. This research aims to determine the fulfillment of blood needs in UDD PMI Sidoarjo Regency in 2023. This research method is descriptive with a quantitative approach, using total sampling techniques from existing data. The samples used were all blood needs fulfilled based on blood type and rhesus in the Sidoarjo Regency Blood Donor Unit from January to December 2023. The results of the study showed that the greatest need for blood was based on blood type O, 5,251 bags (39.2%) , while blood stock for blood type O was 23,590 bags (449.2%). This means that blood stock data exceeds blood demand data and excess blood stock is dropped to collaborating hospital blood banks every week. Future researchers should carry out a comprehensive recording research regarding the number of requests each month, not only requests for patients but also requests for dropping blood to every other hospital and UTD. So, if the number of requests or blood stock at UDD PMI Sidoarjo Regency is fulfilled then dropping requests to every other hospital and UTD can be carried out.

Key words: fulfillment, needs, blood type stock