ABSTRACT

Shafia Rahma Nurillah (2025). Description of Making Platelet Concentrate (TC) blood Components at UDD PMI Malang Regency in 2024. Scientific Writing. D-III Blood Bank Technology Study Program, Department of Pharmacy and Food Analysis Health Polytechnic Ministy of Health Malang. Advisor Dr. Roni Yuliwar, S.Kp, M.Ked.

Platelet Concentrate is Obtained from whole blood (WB) which is stored in a blood bag. Platelet Concentrate is made from a centrifugation process which separates red blood cells from platelet rich plasma. Platelet concentrate is the blood component that is most easily contaminated by bacteria, they are also easily contaminated by erythrocyte cells caused by processing or separating blood components. The aim of this research is to determine the description of the manufacture of platelet concentrate (TC) blood components at UTD PMI Malang Recengy for the period December 2024 – January 2025. This reseaech uses a qualitative descriptive research design. The data collection technique uses primary uses data obtained by researchers directly by observing officers in the blood components section. The results of observational research at UTD PMI Malang Regency observed that officers at UTD PMI Malang Regency in the blood components section had made concentrated platelet components according to the regulation in UTD PMI Malang Regency using the 2015 Republic of Indonesia Ministry of Health regulation.

Key word:Blood Component, Centrifuge, Trombosit Concentrate