

OVERVIEW OF BLOOD COMPONENT PRODUCTION AT THE PMI UDD
OF TRENGGALEK DISTRICT IN THE 2024 PERIOD

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ABSTRACT

Background: A PMI UTD produces blood components, including Whole Blood (WB), Packed Red Cell (PRC), Thrombocyte Concentrate (TC), Fresh Plasma (FP), Fresh Frozen Plasma (FFP), Washed Erythrocyte (WE), Anti Hemophilic Factor (AHF), Liquid Plasma (LP), and Thrombopheresis. **Research Objective:** To determine the description of blood component production at the PMI UDD in Trenggalek Regency in 2024. **Research Design:** Using Descriptive Quantitative with secondary data obtained from SIMDONAR. The population in this study includes all blood component production at the PMI UDD in Trenggalek Regency for the period of 2024 with a sample of 8,643 using a sampling technique, namely total sampling. The analysis technique used is percentage. **Results:** This study shows that blood component production in 2024 will be 8,643 blood bags, with almost all of the blood components produced being PRC (6,951) (80.42%), and based on blood type, almost half of the blood components are type O (3,410) (39.45%). Demand for blood components is 8,868 blood bags, with almost all of the blood components being PRC (7,415) (83.62%). Demand based on disease is 1,876, mostly anemia (1,320) (70.36%). **Conclusion:** Blood component production is almost entirely PRC, and based on blood type, almost half is type O.

Keywords: Production, Blood Components