**The Risult Differences in Blood Glucose Levels on Separated Serum and Not Separated from Sediment**

Saufa Yu'thika Devi[1], Andri Sukeksi[2], Budi Santosa[2]

1. Three years Diploma of Health Analyst Study Program, Nursing and Health Faculty, Muhammadiyah University of Semarang
2. Clinical Pathology Laboratory, Nursing and Health Faculty, Muhammadiyah University of Semarang

## ABSTRACT

Blood glucose examination can be done by using serum samples obtained from the separation between the liquid component of the blood *(whole blood)*. Blood glucose examination with serum sample can be done by GOD-PAP method. The data collected and tested with the statistics method Independent Sample t-Test.

The objective of the study was to determine the difference of decreased blood glucose level in serum which was separated and not separated from sediment. The type of research is analytical research. Population This study was a patient who performed blood glucose examination at BPJS Srikandi clinic and the number of samples examined in this study was determined based on Slovin formula. The examination sample is serum that is separated and not separated from the precipitate.

The results showed that the average glucose levels were not separated from the precipitate, ie 172.89 mg / dl, while the mean glucose level of serum separated from the sediment was 182.00 mg / dl. Independent Sample t-Test statistic test shows a significance value of 0,722 which means a significance value greater than 0.05 thus Ho is rejected berate does not show the difference between serum samples are separated and not separated from the sediment.

Key words: glucose level, serum separated and not separated from sediment.