**Damming Blood Pressure Difference of Venous Hematocrit Value**

Anita(1), Muhamad Muslim(2), Muhammad Arsyad(1)

Health Anayst Academy of Borneo Lestari Banjarbaru

Kelapa Sawit Street 8 Bumi Berkat Number 1

Phone. (0511) 7672224 Banjarbaru, South Borneo 70714

Email : anitasatu70@gmail.com

# *ABSTRACT*

Hematocrit is the percentage of the entire volume of erythrocytes in the blood, the use of venous blood sampling which hedge bond too long or too hard, resulting in hemoconcentration. The purpose of the study to determine differences in examination results hematocrit value in venous blood damming using a sphygmomanometer with a pressure of 40 mmHg, 50 mmHg and 60 mmHg. Pre-experimental type of study design with posttest only design. Students blood specimen using half of VI (six) Health Analyst Borneo Lestari Banjarbaru taken by purposive sampling. Data were analyzed using ANOVA test with significance level of 95% (α 0.05). Results from test one-way ANOVA showed significantly by 0.391 greater than the value of α = 0.05, which means that Ho is accepted. With the receipt of the results of the examination H0 mean hematocrit with the damming of venous blood pressure difference of 40 mmHg, 50 mmHg and 60 mmHg there was no significant difference, with the average for the hematocrit value with the damming of venous blood pressure of 40 mmHg is 45.78%, the average pressures hematocrit value of 50 mmHg is 44.89% and the average value of hematocrit pressure of 60 mmHg is 45.26%. The pressure at 40 mmHg, 50 mmHg and 60 mmHg has not been an increase in the amount of hematocrit, because the pressure used to damming is 40 mmHg or diastolic pressure should not exceed (80 mmHg). The next suggestion needed further research on hematocrit examination by damming pressure of 40 mmHg, 50 mmHg and 60 mmHg by using a sphygmomanometer that has been in the calibration.

***Keyword*** : *hematocrit, pressure damming, microhematocrit*

(1) Health Anayst Academy of Borneo Lestari Banjarbaru

(2) Health Analyst Departement of Health Ministry Banjarmasin