

Perbandingan Jumlah Sel Limfosit Menggunakan Metode Diff Count dengan Impedansi

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ABSTRAK

Pemeriksaan jumlah sel limfosit dapat dilakukan dengan cara manual dan otomatis. Pemeriksaan jumlah sel limfosit cara manual dengan metode *diff count* menggunakan sediaan apusan darah, sedangkan cara otomatis dengan metode impedansi menggunakan alat Hematology Analyzer. Tujuan Penelitian untuk mengetahui perbandingan jumlah sel limfosit menggunakan metode *diff count* dengan impedansi. Jenis penelitian adalah penelitian analitik. Sampel diambil secara random sebanyak 16 mahasiswa dari total populasi 95 mahasiswa semester VI D-III Analis Kesehatan Universitas Muhammadiyah Semarang, kemudian sampel diperiksa menggunakan kedua metode. Hasil pemeriksaan menunjukkan rata-rata jumlah sel limfosit metode *diff count* 35,56% , sedangkan rata-rata hasil pemeriksaan jumlah sel limfosit metode impedansi 33,4812%. Hal ini menunjukkan hasil pemeriksaan jumlah sel limfosit metode *diff count* lebih tinggi dibandingkan metode impedansi, tetapi keduanya masih berada dalam batas nilai normal. Uji Statistik Dependent Sample t Test menunjukkan nilai kemaknaan 0,245 dengan taraf kemaknaan 0,05 yaitu $0,245 \geq 0,05$, sehingga dapat disimpulkan bahwa tidak ada perbedaan antara hasil jumlah sel limfosit menggunakan metode *diff count* dengan impedansi.

Kata kunci : Jumlah sel limfosit, Metode Pemeriksaan



The Result Differences of Lymphocyte Cell Count using Diff Count Method with Impedance

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ABSTRACT

Examination of lymphocyte cell count can be done manually and automatically. Checking the number of lymphocyte cell manually with diff method using blood smear dosage, while the automatic way with impedance method using the tool Hematology Analyzer. Objective of the study to determine the ratio of lymphocyte cell count using diff count method with impedance. The type of research is analytical research. There were 16 samples which were randomly taken from the total population of 95 students of the 6th semester of Health Analyst Academy of Muhammadiyah University of Semarang. The samples were then examined using both methods. The results showed that the average number of lymphocyte count method was 35.56%, while the average of lymphocyte count was 33.4812%. This indicates that the lymphocyte count count is higher than the impedance method. However, both results are still within the normal range. The statistical test of Dependent sample t test showed a significance value of 0,245 with the significance level of 0,05 that $0,245 \geq 0,05$. Thus, it can be concluded that there is no difference between the results of lymphocyte cell count using diff count method with impedance.

Key words : Number of lymphocyte cells, methods of examination

