

**Perbedaan Jumlah Trombosit Metode *Automatic* Dan *Manual*
(Studi Kasus Suspek Demam Berdarah
di Puskesmas Jatinom Klaten)**

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ABSTRAK

Pemeriksaan jumlah trombosit dapat dilakukan dengan dua metode yaitu *automatic* dengan menggunakan alat *Hematology Analyzer* dan manual menggunakan alat bilik hitung. Kedua pemeriksaan dengan alasan ada kekhawatiran terjadi perbedaan hasil hitung jumlah trombosit dikarenakan prinsip kedua alat cara membacanya beda. Penelitian ini dilakukan untuk mengetahui perbedaan jumlah trombosit secara *automatic* dan manual. Jenis penelitian ini adalah penelitian analitik. Sampel diambil secara random sebanyak 19 pasien dari total populasi 20 pasien suspek DB dengan panas 3 hari. Sampel darah diperiksa menggunakan kedua metode tersebut, masing-masing di kerjakan dua kali dalam waktu yang sama. Nilai rata-rata metode *automatic* 104.842 lebih tinggi dibandingkan nilai rata-rata metode manual 101.263 Setelah dilakukan uji statistic dengan uji t, diperoleh hasil $t=0,402$ dengan p value=0,69 yang lebih besar daripada 0,05. Dengan demikian maka dapat dikatakan bahwa tidak terdapat perbedaan hasil hiung trombosit yang signifikan antara metode *automatic* dan manual.

Kata kunci : metode pemeriksaan, jumlah trombosit

Difference in Platelet Amount Automatic and Manual Methods
(Case Study of Suspect of Dengue Fever
in Jatinom Klaten Health Center)

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ABSTRACT

Examination of platelet count can be done with two methods, namely automatic using the Hematology Analyzer and manual by using the counting chamber. Both examinations with the reason that there was concerns case the differences in platelet count results due to the principle of the two tools have the differences in reading.

This research was conducted to determine differences in platelet counts automatically and manually. This type of research is analytical research. Samples were taken randomly as many as 19 patients from a total population of 20 patients were suspected DB for 3 days of heat. Blood samples were examined by using both methods, each of which was done twice at the same time. The average value of the *automatic* method 104,842 is higher than the average value of the manual method 101,263. After the statistical test with the t test, the results of $t = 0.402$ with p value = 0.69 which is greater than 0.05.

Thus it can be said that there is no significant difference in platelet shading results between *automatic* and manual methods.

Keywords: examination method, platelet count.