

## INTISARI

**Siti Nur Asiyah 2014. Perbandingan Hasil jumlah Trombosit Secara Hitung Manual Menggunakan Pengencer Rees Ecker dan Amonium Oksalat 1%. Program Studi D-IV Analis Kesehatan Transfer, Fakultas Ilmu Kesehatan Universitas Setia Budi.**

Pemeriksaan trombosit termasuk salah satu pemeriksaan hematologi yang banyak diminta di laboratorium klinik. Dengan meningkatnya permintaan pemeriksaan hitung sel darah maka pemeriksaan hitung sel cara manual tidak lagi dapat memenuhi kebutuhan tersebut. Hasil pemeriksaan jumlah trombosit secara hitung manual ini ditentukan berdasarkan jumlah trombosit yang ditemukan pada mikroskop dan kemudian dihitung dengan rumus hitung jumlah trombosit, hasil akhir diberi dengan satuan per  $\mu\text{L}$ .

Berdasarkan hasil penelitian didapatkan mean pada pengencer Rees Ecker; 249366.67 dan mean pengencer Amonium Oksalat 1%; 248600.00. setelah diolah data statistik menggunakan uji *Paired Samples t-test* didapat nilai  $t_{\text{hitung}} 0.667 < t_{\text{tabel}} 2.045$  dengan (p Value) Sig. (2-tailed)  $0.504 > 0.005$  maka,  $H_0$  diterima  $H_1$  ditolak sehingga dapat diambil keputusan tidak ada perbedaan yang signifikan terhadap hasil jumlah hitung trombosit secara hitung manual menggunakan pengencer Rees ecker dan Amonium oksalat 1%.

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**Kata Kunci : Trombosit, Rees ecker, Amonium oksalat 1%, Hitung Manual**

## **ABSTRACT**

**Siti Nur Asiyah 2014 Comparison of Count Platelets Calculate Manually Using Diluent Rees Ecker with Ammonium Oxalate 1%. D-IV Studies Program Health Analyst Transfer, Faculty of Health Sciences University of Setia Budi.**

Platelet examination is one of many hematological examinations are required in clinical laboratories. With the increasing demand for blood cell count checks the cell count checks manually is no longer able to meet those needs. The results of examination of the platelet count was determined manually based on the number of platelets found in a microscope and then calculated by the formula count the number of platelets, the final results are given with units per mL.

Based on the results, the mean of the Rees ecker; 249366.67 and the mean Ammonium oxalate 1%; 248600.00.setelah processed statistical data using Paired t-test Samples obtained t-hitug  $0.667 < t\text{-tabel } 2.045$  with (p Value) Sig. (2-tailed)  $0.504 > 0.005$  then,  $H_0$  is rejected and  $H_1$  is accepted decision could be made no significant difference to the results of the platelet count the number manually using the method of Rees ecker diluting solution and Ammonium oxalate 1%.

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**Keywords: Platelets, Rees Ecker, Ammonium oxalate 1%, Calculate manually**