

INTISARI

Tua, M. S. M. 2019, Perbedaan Kadar Kolesterol Total pada Serum Segar dan Tunda 4 Jam. Program Studi D-IV Analis Kesehatan, Fakultas Ilmu Kesehatan, Universitas Setia Budi.

Kolesterol total merupakan salah satu pemeriksaan yang sering digunakan di Laboratorium. Pemeriksaan kadar kolesterol total kadang tidak dapat dikerjakan segera sehingga perlu dilakukan penundaan pemeriksaan sampel. Tujuan dari penelitian untuk mengetahui perbedaan kadar kolesterol total serum segar dan tunda 4 jam.

Penelitian ini menggunakan rancangan penelitian *cross sectional* dengan jumlah sampel 44 responden. Penelitian ini dilakukan di laboratorium RSUD Dr. Moewardi pada bulan Juni-Juli 2019. Kadar kolesterol total diukur menggunakan alat Ilab Taurus dengan metode COD PAP. Data hasil pemeriksaan dilakukan uji normalitas menggunakan *Shapiro Wilk* yang kemudian selanjutnya dilakukan uji *Paired Sample t Test*.

Hasil uji *Paired Sample t Test* menunjukkan nilai p sebesar 0.062 ($p > 0.05$). Dapat disimpulkan bahwa tidak terdapat perbedaan yang bermakna antara kadar kolesterol total pada serum segar dan tunda 4 jam.

Kata kunci : Kadar kolesterol total, serum segar, serum tunda 4 jam

ABSTRACT

Tua, M. S. M. 2019, The Difference of Total Cholesterol Levels of Fresh Serum and 4 Hours Delayed Serum. Bachelor of Applied Sciences in Medical Laboratory Technology Program, Health Sciences Faculty, Setia Budi University.

Total cholesterol levels is an examination frequently applied in Laboratory. Total cholesterol levels examination occasionally cannot immediately conducted therefore sample examination delay need to be performed. The aim of this research was to determine the difference of total cholesterol levels of fresh serum and 4 hours delayed serum.

This research applied cross sectional research design involved samples of 44 respondents. This research was conducted at laboratory of DR. Moewardi General Hospital in June to July 2019. The total cholesterol levels were measured using Ilab Taurus tool with COD PAP method. The examination result data were undertaken normality test using Shapiro Wilk followed by Paired Sample t Test.

The results of Paired Sample t Test indicated p value of 0.062 ($p > 0.05$). In conclusion there was no significant difference of total cholesterol levels of fresh serum and 4 hours delayed serum.

Key Words : Total cholesterol levels, fresh serum, 4 hours delayed serum