

ABSTRACT

Lucky Destri Yana, Nim: 1534004, 2019 Differences in urinary protein test results 5% acetic acid method, sulfosalisilat acid 20%, strip visually dye and dye strips automatically. Essay. Health Analyst DIV Studies Program, Faculty of Health Sciences of the Catholic University Charitas Palembang Musi.

Background :The laboratory examination of urine protein can be performed using 20% sulfosalisilat acid and dip strip method. Strip the dye can be read visually or using automated tools. Visual readout is done by matching the color of the color scale changes that are automatically performed using a urine analyzer. This study aims to determine whether there are differences in the urine protein test results 5% acetic acid method, sulfosalisilat acid 20%, strip visually dye and dye strips automatically.

Method :Observational research is carried out with comparative cross-sectional approach. A sample of urine with minimal trace levels of protein. Sample was taken by purposive sampling of 15 samples, each sample of urine examination urine protein using four different methods is the method of 5% acetic acid, 20% sulfosalisilat acid, a method to read strip immersion visual and dye strip method is read automatically.

Results:Based on the statistical test values obtained using the Test Freadmen $0.000 < 0.05$, so there are differences in the urine protein test results 5% acetic acid method, sulfosalisilat acid 20%, strip visually dye and dye strips automatically

Conclusion: The results showed there was no significant difference between urine protein examination results of visual dipstick method and automated dipstick *sig.(2 tailed)* $0,317 > 0,025$. Method but there was a significant difference with between urine protein examination results of using acetic acid 5%, sulfosalisilic acid 20% method with visual dipstick method and automated dipstick method with *sig. (2-tailed)* $0,0000 < 0,005$

Keywords : 5% acetic acid, 20% sulfosalisilat acid, visually dip strip method, dip strip method was