

EFFECT OF DELAY URIN SAMPLES OF ALKALINE pH CONVENTIONAL METHOD ON ELEMENTS ORGANIC URINE SEDIMENT

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ABSTRACT

Suspension check sample urine pH alkaline will affect quality results examination to elements shaped microscopic sediment urine. Element organic sediment urine in urine with an alkaline pH ($\text{pH} > 7, 5$) and is dilute (hypotonic) will cause cells on sediment urine experience destruction (lysis) if do delay examination. This study aim early to determine the effect of time delay examination sample urine pH alkaline method conventional to element organic sediment urine. this study was conducted on 6 samples of hospitalized patients who do morning urine examination in the laboratory of Prof. Hospital Dr. Z. W. Johannes Kupang. urine sample morning 10 mL examination sediment urine using conventional methods. Used repeat ed Anova test for sediment of leucocytes and epithelial and Friedman's test erythrocyte sediment using SPSS software to analyze the effect of delay urine sample pH alkaline to element organic sediment urine at a time delay of 1 hour, 2 hours and 3 hours at room temperature. Anova test results repeat ed and test Friedman show delay time examination urine sample pH alkaline no influence results examination element organic urine sediment leukocytes ($p > 0.05$), but has influence results examination element organic urine sediment erythrocytes and epithelium ($p < 0.05$) until with a 3 hour delay. This study shows no there is influence delay time of inspection sample urine pH alkaline method conventional to element organic urine sediment leukocytes, however has influence results examination sedimentary organic elements urine erythrocytes and epithelium to delay 3 hours at temperature room.

Keywords: Delay Examination, Conventional, Elements Organic Sediment Urine.