

**VERIFICATION OF UREA AND CREATININE METHODS USING
MICROLAB 300 IN PRIMA LABORATORY OF BENGKULU**

YOSI MELIYANI

NIM: P17334119543

ABSTRACT

This study is entitled Verification Test Method for Ureum and Creatinine Examination Using Microlab 300 at the Prima Clinic Laboratory which is looking to find out. Impressions, biases, total errors and the result of verification of Ureum and Creatinin examination methods at the Bengkulu Clinical Laboratory. The type of research used is descriptive cross-sectional research design in accordance with the EP 15-A3 protocol from CLSI. This research was conducted at the Bengkulu Clinical Laboratory on the 23rd to 27th June 2020. The unit of analysis used in this study was a two-level control, namely level 1 or normal level and level 2 or high, seaching with 5 repetitions, 25 data obtained at each level of control material concentration. The data obtained in this study are primary data obtained by mesuring level 1 (normal) and level 2 (high) clinical chemical control material with 5 repetitions, and carried out for 5 days. The results showed that the clinical chemistry examination of urea and creatine parameters using the 300 microlab at the Bengkulu Primary Laboratory, he refractive value (d%) for examination of level 1 or level 2 ureum was still within the connected limits%. The tea value is still within the permitted limit compared to the permitted limit value in CLSI of 9%, therefore the results of level 1 and 2 examination are acceptable. The refractive value (d%) of creatine level 1 control material is 2.53% while level 2 control material is 2.51%, the bias value on level 1 and 2 control material does not exceed the bias limit issued based CLSI that is 3.8%, Creatine Tea value is 15%. So, TE compares with TEa is $TE < TEa$ both on level 1 control material, so that it can be taken according to the needs of the tool.

Keywords : Ureum, Creatine, Microlab 300
Reading Source : 18 Books, 12 Journals, 5 Articles online
Year : 1997-2018

