

# THE EFFECT OF COMPLETE FEED FORMULA BASED MEASUREMENT OF BLOOD UREA NITROGEN (BUN) AND SERUM CREATININE OF DAIRY CATTLE

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## ABSTRACT

The aim of this research is to study the effect of complete feed on kidney function based measurement of blood urea nitrogen (BUN) and serum creatinine of Friesian Holstein' serum. Complete feed was made to fulfill nutritive value for completely and practically in order to improve feed consuming system. Twenty one Friesian Holstein dairy cows divided into seven groups equally F1, F2, F3, F4, F5, F6 and F7. All calves feed in four weeks, seven days period for adaptation and three weeks for treatment. The blood samples were taken to measured the level of BUN and serum creatinine, bleed 10 ml through jugular vein at the last day of experiment. The data was collected and analyzed by using Anova and Duncan's Multiple Range Test methods and processed by using SPSS computer software program. Result of the experiment showed that there was no significant difference in BUN varian analysis and creatinine blood level among seven treatments ( $p > 0,05$ ). BUN varian analysis and creatinine blood were in normal level. It was concluded that complete feed did not give any side effect on kidney function of Friesian Holstein dairy cows.

*Keywords : Blood Urea Nitrogen (BUN), creatinine, dairy cattle.*