

## **The Measurement of *Early Pregnancy Factor (EPF)* Isolated Protein Level of Pregnant Ettawa Crossbred Goat Blood Serum by The Biuret Method**

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### **ABSTRACT**

The aim of this research was to know the level of Early Pregnancy factor (EPF) in blood serum of pregnant Ettawa crossbred goat by the biuret method. This research was descriptive laboratories.

Blood serum collected from five pregnant Ettawa crossbred goat with age of pregnancy around two month. The blood samples were taken directly from jugular vein. Serum was taken from the blood by centrifugation and than stored frozen, than protein in the serum was measured by biuret and tested using 540λ Bausch-Lommb's spectrometer.

The result showed that EPF level average was  $11.182 \pm 1.116$  µg/ml. the highest and the lower level of EPF in this research were  $12.450 \pm 1.116$  µg/ml and  $9.780 \pm 1.116$  µg/ml. the result indicated that EPF level was increased in pregnant goat. It could be concluded that biuret method can be used to measure the level of EPF in blood.

**Keyword:** EPF, Ettawa crossbred goat, Biuret method.