

## **EFFECT OF DIFFERENT PROTEIN CONTENT IN PELLET FEED ON THE TOTAL SERUM PROTEIN OF RAT (*Rattus norvegicus*)**

**Sandhya Putra**

### **ABSTRACT**

The purpose of this study was to determine the effect of different crude protein content on feed in total serum protein of rat. In this research used 28 male rat aged four weeks old weighing 50-60 grams. Experimental animal were randomly divided into four groups. Crude protein content in feed which used in this research are 18.97 % as control feed, 15.01% for P1, 19.34% for P2 and 22.91% for P3. Treatments were given for four weeks. The result of this test, total serum protein level of ratin P0, P1, P2, and P3 are 5.54 g/dl, 5.77 g/dl, 5.91 g/dl and 5.77 g/dl respectively. One way ANOVA test showed non significant different among all of the experiment ( $p>0.05$ ). Duncan multiple range test showed the value of crude protein content that can maintain normal level of total serum protein of rat is in ranges 15%-22%

**Keyword:** Total Serum Protein, Crude Protein, *Rattus norvegicus*