

PROTEIN LEVEL EFFECTIVENESS OF COMPLETE FEED ON THE PERFORMANCE OF RAT (*Rattus norvegicus*) AT STARTER PHASE

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ABSTRACT

The purpose of this research is to be used as reference to determine the protein level effectiveness of complete feed on the performance of rat at starter phase consists of feed consumption, live weight gain, and feed conversion. The research was conducted on 28 male rat 4 weeks aged with body weight around 50 to 60 g. The rat got four treatments with seven replications. The feed used in the research were control feed contain P0 18.9667% protein, complete feed P1, P2, and P3 were 15.0125%, 19.3393%, and 22.9122%. The design of research used the completely randomized design. Data of the rat performance obtained from research was analyzed with ANOVA, if there is any real differences between treatments will be continued with Duncan's Multiple Range Test with significance level of 5%. The software that used for data analysis was Statistical Product and Solution Services (SPSS) 20 for windows. The result of the experiment showed the protein level of rat complete feed 18% to 22% was better on the performance of rats and recommended for given to the rat at starter phase.

Key words : protein level, complete feed, rat, performance