

EFFECT OF ADDING LYSINE TO FEED SUBSTITUTED

***Distiller's Dried Grains with Solubles (DDGS) TO
EGG PRODUCTION AND EGG WEIGHT
QUAIL (*Coturnix coturnix japonica*)***

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ABSTRACT

The purpose of this research were to know the effect of adding lysine to feed substituted *Distiller's Dried Grains with Solubles* (DDGS) to egg production and egg weight . This research used 40 quails breed *Coturnix coturnix japonica* at 12 weeks aged were randomized into four treatments, each treatment consisted of five replications and each replication consisted by two quails. The treatment were P0 = 0% DDGS and without lysine, P1 = 10% DDGS and 0,016% lysine, P2 = 20% DDGS and 0,032% lysine, and P3 = 30% DDGS and 0,048% lysine. The result of this research showed that it significantly different ($p < 0.05$) for egg production and significantly different ($p < 0.05$) for the egg weight. It can be concluded that the substitution of 30% DDGS with the addition lysine 0.048% has more egg production and more egg weight than the commercial feed addition.

Keyword: Quail, DDGS, Lysine, Egg production, Egg weight