

**SUBSTITUTION OF *Distiller's Dried Grains with Solubles* (DDGS) WITH  
SYNTHETIC LYSINE SUPPLEMENTATION TO FEED  
CONSUMPTION AND CONVERSION  
(*Coturnix coturnix japonica*)**

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**ABSTRACT**

The aim of this research were to know the effect of substituting DDGS with synthetic lysine supplementation to feed consumption and conversion. 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 heads. The treatment were P0 = 0% DDGS and without lysine, P1 = 10% DDGS and 0,15 gram lysine, P2 = 20% DDGS and 0,30 gram lysine, and P3 = 30% DDGS and 0,45 gram lysine. The result of this research showed that it did not significantly different ( $p>0.05$ ) for the feed consumption and not significantly different ( $p>0.05$ ) for the feed conversion. It can be concluded that the substitution of 30% DDGS with the addition lysine 0.45 gram has the same feed consumption and same feed conversion with the commercial feed addition.

Keyword: Quail, DDGS, Lysine, Feed Consumption, Feed Conversion