THE POTENTIAL OF *DriedDistillers Grain with Soluble* (DDGS) ADDITION TO BROILER FEED CONSUMPTION AND EFFICIENCY

Aldilia Farra Hapsari

ABSTRACT

Corn is the main ingredient in the poultry feed, which is 50 – 60%. The inconsistency availability and price of corn push ahead the poultry industries to create an alternative feed ingredient, one of them using the side product of corn fermentation called *DriedDistillers Grain with Soluble* (DDGS). Because of the high nutrition of DDGS, it can replace the feed that given to the chicken. This research aims to know the potential of *Dried Distiller Grain with Soluble* (DDGS) to the consumption and efficiency of broiler chicken. This research using Complete Randomized Design (CRD) that consist of five treatment and four replication. The treatment did in 2 weeks to 20 DOC strain Cobb. The broiler chicken was given feed 2 times a day at 7 am and 4 pm. The feed was mash shaped and given ad libitum. The treatment consist of feed with different level of DDGS, P0 with 0% DDGS, and P1, P2, P3, and P4 contain 5%, 10%, 15%, and 20% of DDGS. 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 efficiency. It can be concluded that the DDGS addition until 20% has the same feed consumption and same feed efficiency with the commercial feed addition.

Keywords: DDGS, feed consumption, feed efficiency.