The effect of different fish meal as dietary protein on broiler performance

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ABSTRACT

The experiments were conducted to determine the effect of different fish meal as dietary protein on broiler performance. The study was divided into 3 period (1-21 days of ages, 22-42 days of ages, 43-49 days of ages). Two thousand straight – run Arbor Acres broiler were assigned in Completely Randomize Design with 4 dietary treatments. Each group consisted of 4 replicates with 100 birds each. The animals were randomly fed the diet as following: diet 1 contained the soybean meal as source of protein in diet : diet 2 supplemented with fish meal produced from the residues of Surimi process: diet 3 supplemented with purse – seined fish meal: diet 4 supplemented with fish meal from Peru. The results showed that no significant difference were found among dietary treatments on weight gain, feed intake, feed gain ratio and molality (P>0.05) but interval 1-21 days of ages founded that fish meal from Peru had lower (P<0.01) in weight gain and feed intake with the others. Whereas feed gain ratio were lower (P<0.05) than group fed soybean meal but not different from the others.

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