

Performance of Kampong Chicken Fed Fermented Fish Meal With Different Fermenter

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ABSTRACT

The experiment aimed to observe performance of Kampong chicken fed fermented fish meal (FFM) with different fermenter during 8 weeks. One hundred DOC was allocated at 20 cages. Variables were feed intake, gain, feed conversion, slaughter weight, carcass weight, carcass percentage, commercial carcass weight and percentage. Data were collected and subjected to analysis of variance (ANOVA) of the completely randomized design and Tukey test. The treatments were T1 (non fermented fish meal/non FFM), T2 (FFM rumen liquor), T3 (FFM *Rhizopus sp.*), T4 (FFM *Saccharomyces cereviceae*). The result of statistical analysis showed that FFM in the rations, significantly influenced ($P < 0.05$) on gain, feed conversion, commercial carcass weight and percentage but did not significantly influenced ($P > 0.05$) on feed intake. It can be concluded that T3 (FFM *Rhizopus sp.*) and T4 (FFM *Saccharomyces cereviceae*) showed the best on gain (88,94;88,85g/chickens), feed conversion (2,72;2,95) thus T3 on commercial carcass weight (503,70g/chickens) and T4 on commercial carcass percentage (58,76%).

Key Words: Kampong Chicken, Fermented Fish Meal, Feed Conversion, Commercial Carcass Percentage

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SUMMARY

The experiment aimed to observe performance of Kampong chicken fed fermented fish meal (FFM) with different fermenter during 8 weeks. One hundred DOC was allocated at 20 cages. Variables were feed intake, gain, feed conversion, slaughter weight, carcass weight, carcass percentage, commercial carcass weight and percentage. Data were collected and subjected to analysis of variance (ANOVA) of the completely randomized design and Tukey test. The treatments were T1 (non fermented fish meal/non FFM), T2 (FFM rumen liquor), T3 (FFM *Rhizopus sp.*), T4 (FFM *Saccharomyces cereviceae*). The result of statistical analysis showed that FFM in the rations, significantly influenced ($P < 0.05$) on gain, feed conversion, commercial carcass weight and percentage but did not significantly influenced ($P > 0.05$) on feed intake. It can be concluded that T3 (FFM *Rhizopus sp.*) and T4 (FFM *Saccharomyces cereviceae*) showed the best on gain (88,94 g/week; 88,85 g/week), feed conversion (2,72 ; 2,95) thus T3 on commercial carcass weight (503,70 g) and T4 on commercial carcass percentage (58,76 %).

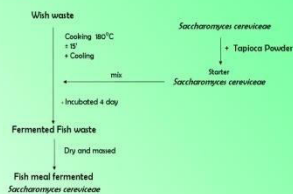


RESULTS AND DISCUSSION

Parameter	Feed intake (g/ekor)	Gain (g/ekor)	Conversion	Slaughter weight (g/ekor)	Carcass Weight (g/ekor)	Carcass percentage (%)
T1	222,69	70,56	3,12	724,70	422,60	58,30
T2	242,25	86,39	2,92	782,10	464,80	59,41
T3	239,03	88,94	2,72	850,80	503,70	59,28
T4	235,86	88,85	2,95	810,20	476,10	58,76

MATERIALS AND METHODS

Fermentation :



One hundred DOC was allocated at 20 cages. Variables were feed intake, gain, feed conversion, slaughter weight, carcass weight, carcass percentage, commercial carcass weight and percentage. Data were collected and subjected to analysis of variance (ANOVA) of the completely randomized design and Tukey test.



CONCLUSION

Fermenters *Rhizopus sp.* and *Saccharomyces cereviceae* to fermentation fish waste showed the best on gain (88,94 g/week; 88,85 g/week), feed conversion (2,72 ; 2,95) thus T3 on commercial carcass weight (503,70 g) and T4 on commercial carcass percentage (58,76 %) of Kampong chicken.

