

**THE UTILIZATION OF FERMENTED RUMEN CONTENT MEAL
ADDED WITH *Spirulina sp.* AS RICE BRAN SUBSTITUTION ON
THE PERFORMANCE OF MALE BROILER CHICKENS**

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ABSTRACT

The purpose of this research was to know how many fermented rumen content meal percentage that added with *Spirulina sp.* which could be applied to poultry feed to substitute rice bran that could maintain the performance for male broiler chicken. This research was conducted for 35 days. This research used complete randomized design with five treatments and four repetitions which were T0(-) was 100% Ration, T0(+) was 100% Ration + 1% *Spirulina sp.*, T1 was 95% Ration + 5% RCM + 6% Probiotic + 1% *Spirulina sp.*, T2 was 90% Ration + 10% RCM + 6% Probiotic + 1% *Spirulina sp.*, T3 was 85% Ration + 15% RCM + 6% Probiotic + 1% *Spirulina sp.* The data was analyzed by Analysis of Variance statistic method and if was found significant difference among the treatments then it would be analyzed further by Duncan's Multiple Range Test. The research result showed that there was no significant difference ($p > 0.05$) on the performance of male broiler chicken which consisted of feed consumption, weight gain, and feed conversion. The conclusion indicated that the utilization of fermented rumen content meal added with *spirulina sp.* as rice bran substitution on the performance of male broiler chicken could be applied for poultry feed.

Keywords : Rumen content meal, *Spirulina sp.*, probiotic, performance, male broiler chickens.