

Effect of Fermented Rubber Tree Seed Using Tempe Yeast (*Rhizopus oligosporus*) on Production Performance of Starter Phase of Quail (*Coturnix coturnix japonica*)

Rizky Indra Syahputra

*Poultry Business Management Study Program
Animal Husbandry Department*

ABSTRACT

The purpose of this study was to determine the effect of giving fermented rubber tree seeds using tempeh yeast on the performance of starter phase laying quails. The materials used were 14-day-old laying quail, commercial quail starter phase, corn flour, fermented rubber tree seed flour, bran, and premix. The research method used a completely randomized design (CRD) with 4 treatments and 5 replications. The percentage in each treatment of the addition of fermented rubber seed flour was P0 (0%), P1 (4%), P2 (8%), and P3 (12%) based on the total ration requirement. Parameters observed included feed consumption, body weight gain, feed conversion, and first laying egg. The results showed that the addition of fermented rubber seed meal reduced feed consumption, but had no significant effect on body weight gain, feed conversion, and age at sexual maturity. The addition of fermented rubber seed flour can be used up to 12%.

Keywords: *laying quail, feed consumption, fermented, tempeh yeast, rubber tree sheeds.*