

Effect of Addition of Mold on Rubber Seed Fermentation Using *Rhizopus oligosporus* and *Neurospora Sitophila* on Performance of Native Chickens

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ABSTRACT

*This study aims to determine the effect of adding fermented rubber seed flour using the mold types *Rhizopus oligosporus* and *Neurospora sitophila* as additional feed ingredients on the performance of native chickens. This research used 90 native chickens which were divided into 15 experimental units with 3 treatments and 5 replications. This research uses the RAL (Completely Randomized Design) method and the ANOVA (Analysis of Variance) test. If there is a significant difference ($P < 0.05$), the Duncan Multiple Range Test (DMRT) will be continued. The treatments in this study were P0 (control), P1 (*Rhizopus oligosporus* 5%), P2 (*Neurospora cytophila* 5%). The parameters observed were feed consumption, body weight gain, feed conversion. Based on the results of this study, giving rubber seed flour using the fungus *Rhizopus oligosporus* 5% and *Neurospora sitophila* 5% in the feed ration had a significant effect ($P < 0.05$) on the amount of feed consumed, body weight gain and feed conversion in native chickens. Research that has been carried out shows that fermenting rubber seeds with 5% *Rhizopus oligosporus* mold has a positive impact on the performance of native chickens, while *Neurospora sitophila* at 5% levels in the feed ration has a negative impact on the performance of native chickens.*

Keywords: *native chicken, rubber seed, R. oligosporus, N. sitophila, performance.*