

**BUSINESS ANALYSIS OF THE USE OF PROBIOTICS AS A REPLACEMENT FOR ANTIBIOTICS IN LAYER CHIKEN**

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**ABSTRACT**

Aims of this research are to determine the analysis of the use of probiotics as an antibiotic replaced for feed consumption and egg production of laying hens. The research sample consisted of laying hens with *Lohmann strain* at 30 weeks with 180 head, divided into three treatments with six replications, each replicate using 10 chickens. P0 (Control samples) are chickens with basal feed without additional feed additives (AGP or Probiotics). Samples P1 using AGP at a dose of 0.1 grams were mixed and stirred evenly in 120 grams of feed ration. P2 is samples with probiotics use a combination of 0.5% *Bifidobacterium* and 0.25% *Lactobacillus casei* through feed rations. The results showed that P2 was treated with the lowest feed consumption (112.72g/head/day), the highest egg production (83.02%) and the most profitable business analysis (IDR. 30,353).

**Keywords:** Probiotics, Antibiotics, business analysis, feed consumption, egg production