

**PERFORMA PRODUKSI DAN ANALISIS USAHA PENGGUNAAN  
PROBIOTIK *BACILLUS SUBTILLIS* PADA AYAM PETELUR**

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**ABSTRACT**

The aim of this study was to determine the effect of probiotics *Bacillus subtilis* in growth performance and business analysis of laying hens. This study used 36 of 30 weeks-old laying hens Isa Brown strain. The concentration of probiotics *Bacillus subtilis* was  $1 \times 10^9$  CFU/mg. There were three kinds of treatments, i.e. P0 (none treatment), P1 (given 0,1 g of probiotics per kilogram of feed), and P2 (given 0,2 g of probiotics per kilogram of feed). The results showed that feed consumption, HDP, and FCR value of each treatment was significantly different ( $p < 0.05$ ). Meanwhile for egg weight, it showed that there were no significant difference ( $p < 0.05$ ) between all treatments. The P2 treatment showed the lowest value of feed consumption. The business analysis showed that the P1 treatment gave the highest profit among others. It can be concluded that the addition of probiotics *Bacillus subtilis* 0,1 gram per kilogram of feed can be used to increase the growth performance of laying hens and also can give more profit in business analysis.

Keywords: probiotics, growth performance, business analysis, laying hens