

# IMPROVING THE LEVEL OF SERUM GLUTAMATE OXALOACETATE TRANSAMINASE (SGOT) AND SERUM GLUTAMATE PIRUVATE TRANSAMINASE (SGPT) DUE TO THE ADDITION OF PROBIOTIC POWDER IN PHASE LAYER CHICKEN

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## Abstract

*This research was conducted for a month, starting from February to March 2021 at one of the layer chicken farms, in Sumedang Regency, West Java. Blood analysis was carried out at the Physiology and Biochemistry Laboratory of the Faculty of Animal Husbandry, Padjadjaran University. This study aims to determine the effect and optimal level of probiotic powder to provide an optimal influence on the levels of SGOT and SGPT in layer-phase layer hens. Probiotic has given for a month to laying hens by mixing it into the ration. This study used 20 layer chickens aged 90 weeks and used an experimental method with statistical analysis using a completely randomized design (CRD) technique with four levels of probiotics (0%, 2%, 3%, 4%) and five replications. Based on the results of statistical analysis using Duncan's multiple range test, it showed that the addition of probiotic powder on the number of SGOT levels had a significant effect ( $P < 0.05$ ) and on the number of SGPT levels was no significant difference ( $P > 0.05$ ). The conclusion is the addition of probiotic powder until 4% has a positive on the SGOT level and has not an affect on SGOT of the layer phase laying hens.*

**Key words:** Laying Hens, Probiotic Powder, SGOT, SGPT