

# **The Effect of Addition of Phytobiotic Extracts of Noni Fruit and Tilapia Fish Oil Through Feed on The Production Performance of Mojosari Ducks**

As Chief Counselor : Niati Ningsih, S.Pt., M.Sc

**Hellen Aprilia Mayasinta**

*Poultry Bussines Management Study Program*

*Animal Husbandry Department*

## **ABSTRACT**

*This study aims to determine the effect of the addition of noni fruit extract and tilapia fish oil to feed on the performance of Mojosari ducks. The material used was 80 Mojosari ducks aged 28 weeks. The study used a completely randomized design (CRD) one way pattern with 4 treatments and 5 replicates, each replicate consisting of 4 ducks. The first treatment given was as a control (P0 = without the addition of noni fruit extract and fish oil, P1 = with the addition of noni extract and fish oil each 0.5%, P2 = 0.75%, P3 = 1%). Parameters observed in this study were feed consumption, hen day production (HDP), feed egg ratio (FER) and egg weight. The data were analyzed using CRD and if there were significant differences, further tests were conducted using the Duncan Multiple Range Test (DMRT). The results showed that the addition of noni fruit extract and tilapia oil had no significant effect ( $P > 0.05$ ) on the performance of Mojosari ducks. The conclusion of this study is that the use of noni fruit extract and tilapia oil through feed up to 1% treatment does not have a significant effect on the performance of Mojosari ducks which includes feed consumption, FER, HDP and egg weight.*

**Keywords:** *Noni fruit extract, tilapia fish oil, Mojosari duck, performance production*