

**Addition Of Mujair Fish Oil and Phytobiotics Of Noni Fruit Extract
Through Feed Media On The Physical Quality
Of Mojosari Duck Eggs**

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ABSTRACT

This study aims to determine the effect of the use of mujair fish oil and phytobiotics of noni fruit extract through feed media on the physical quality of Mojosari duck eggs. The material in this study used 80 Mojosari ducks with the Complete Random Design (CRD) method of 4 treatments and 5 replicates. The first treatment was P0 = without the addition of noni fruit extract and fish oil, P1 = with the addition of noni fruit extract and fish oil 0.5% each; P2 = 0.75% and P3 = 1%. The parameters in this study were egg weight, egg index, Haugh Unit (HU), and shell thickness. The data of the research results were analyzed using CRD and if there was a significant difference, further tests were carried out using the Duncan Multiple Range Test (DMRT) test with a level of 5%. The results of the study showed that the addition of mujair fish oil and noni fruit extract had no real effect ($P > 0.05$) on the physical quality of Mojosari duck eggs which included egg weight, egg index, haugh unit, and shell thickness. The conclusion of this study is that the use of noni fruit extract and mujair fish oil through feed media up to 1% treatment produces the physical value of duck eggs that meet the standards even though it is not significantly different from the control treatment of the physical quality of Mojosari duck eggs.

Keywords: *noni fruit, phytobiotics, laying ducks, physical quality of eggs, tilapia fish oil*