

# **SIFAT FISIK PELLETT YANG MENGANDUNG TEPUNG MATA LELE (*Lemna minor*) SEBAGAI PAKAN BROILER FASE FINISHER**

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## **RINGKASAN**

Penelitian ini bertujuan untuk menganalisis sifat fisik *pellet* yang mengandung tepung mata lele (*lemna minor*). Penelitian dilaksanakan pada bulan Februari hingga April 2021, pada Laboratorium nutrisi dan makanan ternak Jurusan Peternakan Politeknik Negeri Lampung. Penelitian dilakukan secara eksperimen untuk melihat respon perlakuan. Kemudian dilakukan uji t-student untuk mengetahui perbedaan kedua kelompok berdasarkan data variabel yang diamati. Peubah yang diamati dalam penelitian ini yaitu Berat jenis (*specific gravity*), *Pellet Durability Index* (PDI), dan Kerapatantumpukan. Hasil penelitian menunjukkan penambahan tepung mata lele (*Lemna minor*) terhadap ransum *pellet* broiler fase finisher berpengaruh nyata pada Berat jenis dan kerapatan tumpukan tetapi tidak berpengaruh nyata pada *pellet durability index* (PDI) serta teknik penambahan tepung mata lele (*lemna minor*) sebanyak 4,5% mampu meningkatkan Bera jenis dan kerapatan tumpukan *pellet* broiler fase finisher.

Kata kunci: Sifat Fisik, Pellet, Mata Lele, Broiler, Finisher.

**PHYSICAL PROPERTIES OF PELLETS CONTAINING  
CATFISH EYE MEAL (*Lemna minor*) AS FINISHER PHASE  
BROILER FEED**

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**ABSTRACT**

This study aims to analyze the physical properties of pellets containing mata lele flour (*lemna minor*). The research was conducted from February to April 2021, at the Laboratory of Animal Husbandry and Nutrition, State Polytechnic of Lampung. The research was conducted experimentally to see the treatment response. then a t-student test was carried out to find out the differences between the two groups based on the observed variable data. The variables observed in this study were specific gravity, *Pellet Durability Index* (PDI), and heap density. The results showed that the addition of mata lele flour (*lemna minor*) to the ration *pellet* broiler finisher phase had a significant effect on *specific gravity* and pile density, but had no significant effect on *pellet durability index* (PDI). The technique of adding mata lele flour (*lemna minor*) as much as 4.5% can increase the specific gravity and density of the pile *pellet* broiler fase finisher.

Keywords: Physical Properties, Pellets, Catfish Eyes, Broiler, Finisher