



# WPC2016

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**S13-0032 The effect of white oyster mushroom (*Pleurotusostreatus*) adding on the quality of unproductive quail (*Coturnixcoturnix Japonica*) abon (Shredded Meat)**

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The research is the effect of white oyster mushroom (*Pleurotusostreatus*) adding on the quality of Abon from unproductive quail. This study aims to utilize quail meat into a preferred food and cheap price. Unproductive quail is a quail no longer in production and are generally 2.5 years old and a meat is tough. To increase the value of unproductive quail (*Coturnixcoturnix Japonica*) we can process it into another products that high nutritional such as Abon. Abon known as typical Indonesian food made from meat cutlet and its price is expensive. To suppress the price of Abon in its manufacture can be added with a mixture of vegetable such as white oyster mushroom (*Pleurotusostreatus*) that taste like meat. In this study was used of 4000 g of unproductive quails meat and 600 g of white oyster mushroom (*Pleurotusostreatus*). The method use in this research is an experiment with Block Randomized Design (BRD) which consist of five treatments and four replications. The treatments are the adding of white oyster mushroom as much as 0 % (A), 10 % (B), 20 % (C) dan 30 % (D). The variable was observed the content of moisture, protein, fat and the texture of unproductive quails Abon. The result of this research indicated that the adding of white oyster mushroom increased moisture and decreased a protein significantly ( $P < 0.01$ ) but didn't affected of fat and texture of unproductive quails Abon. The adding of white oyster mushroom up to 30 % was permitted to produce culled quails Abon.

**Keywords:** abon, unproductive quails, white oyster mushroom, protein, texture

**S13-0034 Improving Malondialdehyde (MDA) and hematologies value using fruit noni (*morinda citrifolia*) on quail**

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The purpose of this study was aimed to determine the effect of noni fruit powder in ration of Malondialdehyde (MDA) and hematologies value laying quail phase layer. The research was held from February to May 2015 at Faculty of Animal Husbandry, Universitas Padjadjaran. One hundred quails, aged four weeks were allocated in a Completely Randomized Design (CRD) with four treatment groups as T1 (control - 0.00%), T2 (0.25%), T3 (0.50%), and T4 (0.75%), with five quails per treatment, were replicated four times. The blood samples were randomly collected from twenty quails per replication, at the end of experimental. The parameters observed were MDA, erythrocyte, hemoglobin and hematocrite levels. The results revealed that dietary inclusion of Noni Fruit Powder at all levels were not significantly ( $p < 0.05$ ) decreased MDA value and increased the hematologies value of quails when compared to the control group (T1). Even though has reduction of MDA in T2 ( $0.341 \pm 0.04 \mu\text{g}/\text{mg}$ ) and T3 ( $0.340 \pm 0.04 \mu\text{g}/\text{mg}$ ) in blood level respectively when compared control and other groups. Further, the hematologies value, the erythrocyte, hemoglobin, and hematocrit even there were no significance, there were increasing trends: the erythrocyte from  $3.31$  to  $3.55 \times 10^6/\text{mm}^3$ , hemoglobin from  $9.63$  to  $11.84\text{g}\%$  and hematocrit  $34.4$  to  $36.4\%$ . The conclusions are using Noni Fruit Powder in ration can maintained the MDA value, and blood hematologies of laying quail in the normal range.

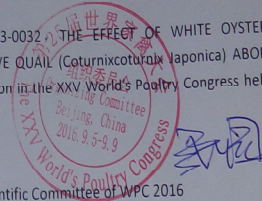
**Keywords:** noni fruit powder, quail, erythrocyte, hemoglobin, hematocrit



# CERTIFICATE

The Committee explain SALAM ARITONANG below with abstract number 13-0032, THE EFFECT OF WHITE OYSTER MUSHROOM (*Pleurotus ostreatus*) ADDING ON THE QUALITY OF UNPRODUCTIVE QUAIL (*Coturnix coturnix japonica*) ABON (SHREDDED MEAT) has already presented the paper as an Oral/Poster Presentation in the XXV World's Poultry Congress held from 5 to 9 September 2016 in Beijing, China.

The Scientific Committee of WPC 2016



# CERTIFICATE

OF ATTENDANCE

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This is to certify that SALAM N ARITONANG

has attended The XXV World's Poultry Congress held from 5 to 9 September 2016 in Beijing, China



Prof. Dr. Ning YANG  
Chairman of the Organizing Committee  
The 25<sup>th</sup> World's Poultry Congress

杨宁