

Korespondensi Penulisan Artikel dengan Editor: Prof. Monica Marin. 2022

Judul: GROWTH PERFORMANCE OF 'SUPER NATIVE CHICKEN' TREATED WITH A SUPPLEMENTATION OF MAGGOT FLOUR OF DROSOPHILA MELANOGASTER IN RATION

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LR Laurentius Rumokoy  
To: Marin Monica  
Sun 8/28/2022 10:07 PM

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Dear Professor Monica Marin,

Please find attached file as our Full Paper entitled  
**GROWTH PERFORMANCE OF 'SUPER NATIVE CHICKEN'  
TREATED WITH A SUPPLEMENTATION OF MAGGOT FLOUR  
OF DROSOPHILA MELANOGASTER IN RATION**

The content including the authors has been revised.

Best regards,  
Laurentius

Reply Forward

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**GROWTH PERFORMANCE OF 'SUPER NATIVE CHICKEN' TREATED WITH A SUPPLEMENTATION OF MAGGOT FLOUR OF DROSOPHILA MELANOGASTER IN RATION**

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*Abstract*

*The role of insects as natural resources could be used by farmer as animal feed has been starting to get important attention in livestock systems. This research aimed to study the growth performance of super native chickens that treated with D. melanogaster maggot flour supplementation. A total of 64 super native chickens (DOC), reared until they are eight weeks old. This study used a completely randomized design (CRD). Experimental animals were divided into four groups according to the level supplementation treatment: T0 0%, T1 0.25%, T2 0.5%, and T3 0.75%. Each group divided into four units of replication consisted of 4 chickens. The variables observed were total feed consumption, body weight and feed conversion ratio. The results showed that the effect of treatment on feed consumption was non significant (P>0.05) while the effect on body weight and FCR value were significant (P<0.05).*

**Key words:** natural resource, insect, maggot, native chickens, growth performance

**INTRODUCTION**

Insects are abundantly available in nature. Many of insects have great potential to be used as animal feed (Chia et al., 2019) and van Huis (2016) because of they contain nutrients that are important for the development and production of livestock, especially for poultry (Tour et al., 2015). Utilization of insects as feed could reduce the use of food that is needed directly by humans globally, especially as the population continues to increase. The potential of insects to be used in livestock improvement (Rumokoy et al., 2020; Toar et al., 2020) to reduce the use of human food as animal feed. Foodstuffs are more suitable for use only for humans, especially in difficult times where the distribution of food for the world's population is experiencing obstacles both in terms of quantity and other aspects. Rumokoy et al., (2019) Rumokoy stated that this effort was wise in suppressing competition between humans and livestock in using food. Various scientific reports indicated the role of insects in the development of poultry farming; Allegretti et al., 2018 reported the use of insects in the chicken farming industry, as stated by Toar et al. (2020) that since a pandemic the use

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Best regards,  
Laurentius

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## Re: Paper submission



Rumokoy Laurentius

To: Monica Marin

Cc: wisje toar



Wed 8/4/2021 1:19 PM

Thank you very much Prof Monica Marin,

Best regards,  
Laurentius

*Prof. Dr. Ir. Laurentius Rumokoy, MSc., DESS  
Entomological Studies, Postgraduate School, Sam Ratulangi University  
Jalan Kampus Bahu Manado 95115. Indonesia*

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**From:** Monica Marin <marin\_monica\_zoo@yahoo.com>

**Sent:** Tuesday, August 3, 2021 3:03 PM

**To:** Rumokoy Laurentius <rumokoy@msn.com>

**Subject:** Re: Paper submission

Dear Prof.dr. Laurentius Rumokoy,

We have a lot of papers for number 2 of the journal, but you can send the paper to give to reviewers.

Best regards,  
Monica

*Prof. PhD. Monica MARIN  
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University of Agronomic Sciences and Veterinary Medicine of Bucharest  
59 Marasti Bvd., Sector 1, 011464, Romania  
Tel.: +40 720657597  
E-mail: marin\_monica\_zoo@yahoo.com*

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Pe luni, 2 august 2021, 18:44:05 EEST, Rumokoy Laurentius <rumokoy@msn.com> a scris:

Dear Prof. Monica Marin,

Is it possible to submit a paper to be reviewed for publication in the journal of Animal Science (USAMV) in number 2 ?

Thanks,

Kind regards,  
Laurentius