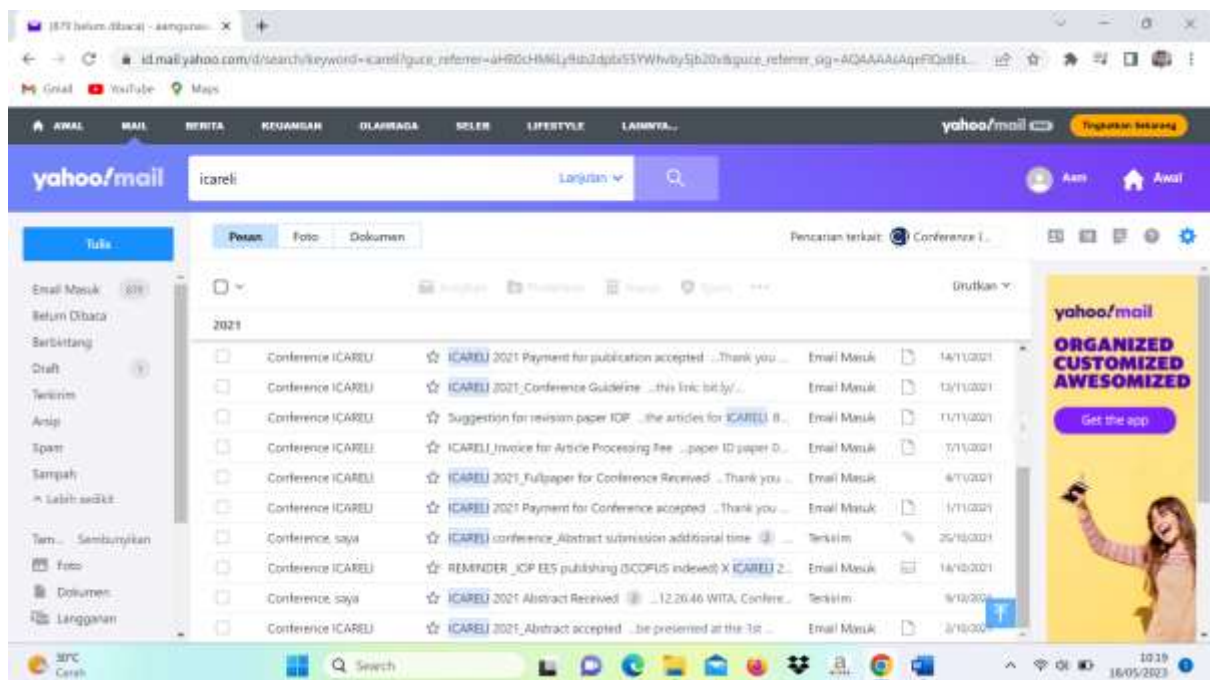
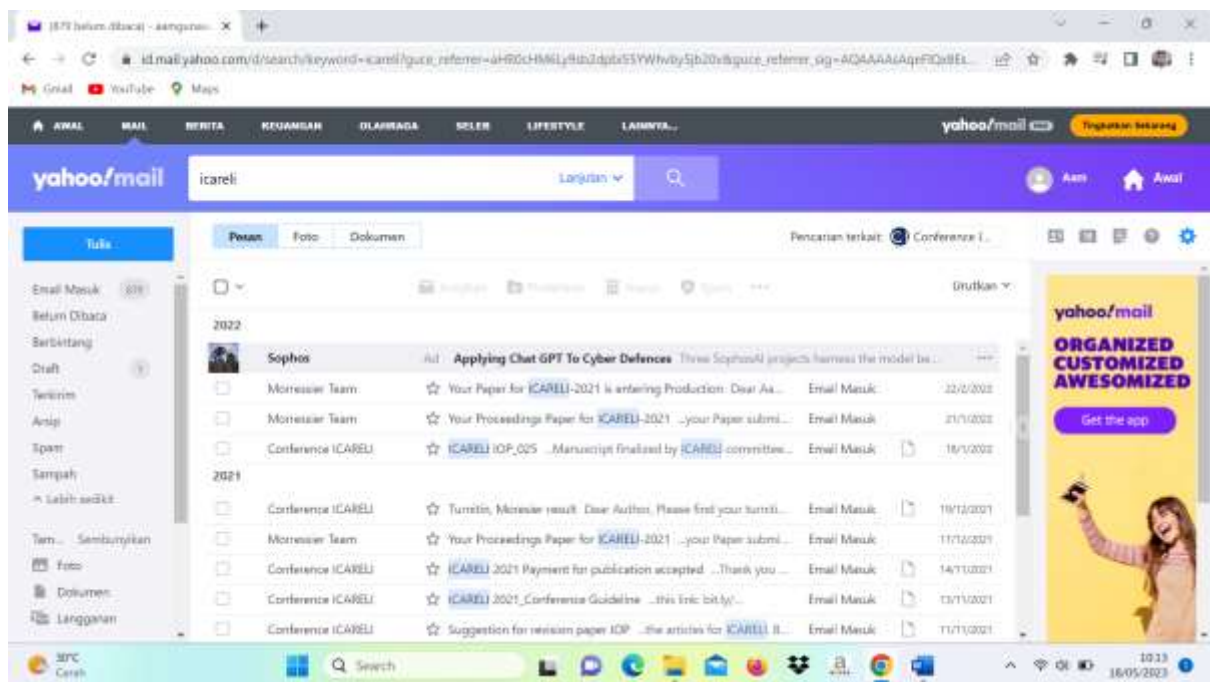


Riwayat submit artikel sampai terbit di Prosiding ICARELI

No.	Tanggal	Kegiatan
1.	01-11-2021	Pembayaran conference
2.	04-11-2021	Submit full paper ke panitia Icare fapet IPB
3.	11-11-2021	Penyampaian revisi
4.	14-11-2021	Pembayaran
5.	17-12-2021	Submit paper
6.	19-12-2021	Pengcekan turnitin
7.	18-01-2022	Finalisasi manuscript
8.	21-01-2022	Paper submitting
9.	22-02-2022	Production paper



REVIEW FORM

Manuscript ID	:
The manuscript title	The Effect of Live Maggot (<i>Hermetia illucens</i>) Supplementation on Organoleptic Quality and Yolk Colour of Duck Egg

Please give this symbol (√) to mark your evaluation in the appropriate space

Criteria	Excellent	Good	Fair	Poor
Originality of the work			√	
Scientific merit / Importance to field			√	
Appropriateness of title. Does the title properly and clearly describe the paper? Too long? Too short?		√		
Is the abstract appropriate?			√	
Are materials and methods described in clarity? No ambiguity?				√
Is the mathematical formalism logical and clearly presented? (for theoretical work only)				√
Description of experimental design			√	
Results presented in systematic and appropriate form?				√
Statistical treatment of data? (if necessary)				
Relevance of discussion			√	
Soundness of interpretation and conclusions			√	
Appropriate literature citations. Are key references given?			√	
Quality of Figures				
Clarity and style of tables				√
Article length (if too long, suggest ways to condense)			√	
Overall quality of the paper				√

Referee's Recommendation (Please check as appropriate)

	Publish as it is	Accepted with minor revision	Accepted with major revision	Rejected
Recommendation			√	

Comments

- Title
.....
- Abstract
.....
- Introduction
.....
- Materials and Methods
.....
- Results and Discussion
.....
- Conclusion (if there)
.....

Please use another sheet if necessary.

This paper investigated the organoleptic quality and yolk color of duck, which is interesting topics to support the sustainable practices in livestock industry. However, in order to improve the manuscript quality, we would like to suggest major revision on some of highlighted points.

Please refer to author guidelines about formatting, especially on the citation format within the manuscript, is it using (Citation et al., 2021) or numbering [1]. Therefore, please revise accordingly.

We strongly suggest that this manuscript could undergo for english editing process, since we found many gramatical error and ineffective sentences.

Title :

1. This study investigated the organoleptic quality of duck egg, but it seems like the “egg” word was missing -> change into “The Effect of Live Maggot (*Hermetia illucens*) Supplementation on Organoleptic Quality and Yolk Colour of Duck Egg”.
2. Please add your name under the title.
3. Remove the (.) after the affiliation address (Jl. Adhyaksa No.2 Kayu Tangi Banjarmasin, Indonesia.)

Abstract :

1. Add the binomial numenclature after Maggot black soldier fly.
2. Does Alabio ducks have latin name as *Anas platyrhynchos*? Add the referred latin name after it.
3. Rephrase the sentence “It used a completely randomized design with a 2x2 factorial pattern, the first being the protein content of the ration, consisting of 2 levels, 15%, and 21%, and the second being live maggot supplementation comprising 0 and 40 g/bird/day concentrations” **into** “The experimental design applied was completely randomized design with a 2×2 factorial pattern to investigate the effect of two independent factors, namely protein ratio at 15 and 21 %, and concentration of live maggot supplementation given at 0 and 40 g/bird/day”.
4. were tested using moderately trained 67 panelists -> were tested using 67 moderately trained panelists.
5. Change “protein level of the ration” -> “protein level ratio” throughout the manuscript (please confirm wether it is according to writers intention or not).
6. Change “Generally” -> “This study suggested that Alabio ducks ~”.

7. Keywords : Duck Egg, Organoleptic

Introduction :

1. Change “contain balanced nutrients, and benefit human health” -> nutritionally balanced, and beneficial for human health.
2. sufficient amounts of protein, fat, vitamins, minerals -> sufficient amount of proteins, fats, vitamins, minerals ~.
3. Whose -> which its
4. If the ration refers to (ransum), we suggest to change this word it into “diet” across the manuscript.
5. Put the abbreviation for Maggot black soldier fly (BSF) at the first appearance on the manuscript.
6. Introduction paragaf 3 “Maggot black soldier fly can be used” -> Maggot black soldier fly potentially be used.
7. Introduction paragaf 4, It was mentioned that some studies, but the citation was only 1, please add supporting references.
8. Generally, they are used in rations when dry -> Generally, they are used in the diets in dry form, which have been reduced on its fat content. Meanwhile, the alive form of of maggot BSF are commonly used as broiler’s diet.
9. Introduction paragaf 5 seems confusing, because it was stated that the diet highly affected organoleptic quality of the egges, wehreas the supplementation was seems to be randomly cited, such as oil, leaf which is nutritionally unclear. Therefore, we suggest to cite on similar nutritional supplementation pattern, (wherein magot BSF is rich in protein content, so cite to insct, or protein rich diet).

Mehods :

1. I was reading the author’s published paper entitled “Effect of supplement Maggot Black Soldier Fly live on the percentage of carcass and weight of carcass of male Alabio ducks” and it seems like the format on those manuscript was sufficient. Please refer to those manuscript on formatting.

2. 2. Methods -> 2. Materials and methods

It is better to explain the materials and methods as paragraph, not numbering, please revise it accordingly in all materials and methods section.

Live -> Alive

Please select consistent phrase : maggot BSF or BSF maggot.

Please rephrase “Trial ration, consisting of duck concentrate, rice bran, corn, and fish meal. Tables 1 and 2 present the composition and the nutrient content of the experimental ration, respectively” -> Diet trial consisting of duck concentrate (Product name, Producer, City), rice bran, corn, and fish meal (Product name, Producer, City) were prepared according to (diet preparation method by whom). Tables 1 and 2 present the nutritional composition of the each utilized feed and the Composition of the experimental diets, respectively.

Table 1 – Please revise according to the guideline

Table title (center text).

The footnote ¹ and ² seems incorrect, it is better not to place the diet source at the footnote, but explain it in materials and methods section before the table.

Correct the spacing within the table as well

Table 2 – Please revise table 2 accordingly.

2.2.Tools

Please revise according to previously commented.

Oxone brand digital scale (Product name, Producer, City).

Roche yolk color fan (Product name, Producer, City).

2.3.Experimental design

Furthermore, each treatment combination shown below **with** six replications.

I think it is better to include the (2.1. Materials, 2.2. Tools, 2.3. Experimental Design, and 2.4. Research Procedure) into one **Sample preparation and experimental design**. Then give detail explanation not per point, but as a paragraph.

2.6. Data Analysis

One-way analysis of variance (ANOVA).

3. **Results and Discussion**

I am affraid that the data was not correctly provided, it was mentioned previously that the study had 4 different treatments (**P1** = Low Protein Feed (15%) + Live BSF Maggot (0 g/bird/day); **P2** = Low Protein Feed (15%) + Live BSF Maggot (40 g/bird/day); **P3** = High Protein Feed (21%) + Live BSF Maggot (0 g/bird/day), and **P4** = High Protein Feed (21%) + Live BSF Maggot (40 g/bird/day). Therefore, please provide the data accordingly. As an example :

Variables	Treatments ¹⁾				p-value
	P1	P2	P3	P4	
Texture					
Flavor					
Odor					
Yolk Color					

¹⁾ **P1** = Low Protein Feed (15%) + Live BSF Maggot (0 g/bird/day); **P2** = Low Protein Feed (15%) + Live BSF Maggot (40 g/bird/day); **P3** = High Protein Feed (21%) + Live BSF Maggot (0 g/bird/day), and **P4** = High Protein Feed (21%) + Live BSF Maggot (40 g/bird/day). Therefore, please provide the data accordingly.

It will ease the reader about the information contained within the paper. And, the comparison should be among the average's treatment, not the total average.

Results and Discussion

Paragraph 2 - Again, How do we know about the highest and lowest, because the superscript was on the total average, not on each treatment.

And it is ambiguous about the provided data, was it the result from One-way analysis of variance (ANOVA)/ or two –way Multivariate analysis of variance (MANOVA)?

4. **References**

Please make the uniform format of the reference according to the guidelines.

- Publisher : Abbreviated, italic -> Ghana Jnl Agric. Sci. -> *Ghana J. Agr. Sci.*

Please revise and confirm all references accordingly.

RESPONSE LETTER

Dear the Reviewer & Committee of ICARELI 2021,

This is our response on the review of our manuscript entitled " The Effect of Live Maggot (*Hermetia illucens*) Supplementation on Organoleptic Quality and Yolk Colour of Duck Egg". Please find our responses below each issue that the reviewers addressed in the Table below.

Together with this response letter, we send an unmarked version of our revised paper.

We are looking forward to hearing from you.

Thank you very much.

On behalf of the author,
Aam Gunawan

List of response to reviewer's comments

No.	Reviewer's Comment	Author's response
1.	Please refer to author guidelines about formatting, especially on the citation format within the manuscript, is it using (Citation et al., 2021) or numbering [1].	I am agree and I have done
2.	This study investigated the organoleptic quality of duck egg, but it seems like the "egg" word was missing -> change into "The Effect of Live Maggot (<i>Hermetia illucens</i>) Supplementation on Organoleptic Quality and Yolk Colour of Duck Egg".	I have added
3.	Please add your name under the title.	Okay
4.	Remove the (.) after the affiliation address (Jl. Adhyaksa No.2 Kayu Tangi Banjarmasin, Indonesia.)	Yes, I have deleted
5.	Add the binomial numenclature after Maggot black soldier fly.	I add BSF
6.	Does Alabio ducks have latin name as <i>Anas platyrhynchos</i> ? Add the referred latin name after it.	I have added
7.	Rephrase the sentence "It used a completely randomized design with a 2x2 factorial pattern, the first being the protein content of the ration, consisting of 2 levels, 15%, and 21%, and the second being live maggot supplementation comprising 0 and 40 g/bird/day concentrations" into "The experimental design applied was completely randomized design with a 2 × 2 factorial pattern to investigate the effect of two independent factors, namely protein ratio at 15 and 21 %, and concentration of live maggot supplementation given at 0 and 40 g/bird/day".	Yes, I have changed

8.	were tested using moderately trained 67 panelists -> were tested using 67 moderately trained panelists.	Yes, I have changed
9.	Change "protein level of the ration" -> "protein level ratio" throughout the manuscript (please confirm whether it is according to writers intention or not).	I am not change, because not ratio
10.	Change "Generally" -> "This study suggested that Alabio ducks ~".	Yes, I am agree
11.	Keywords : Duck Egg, Organoleptic	I am agree
12.	Change "contain balanced nutrients, and benefit human health" -> nutritionally balanced, and beneficial for human health.	I am agree, I have changed
13.	sufficient amounts of protein, fat, vitamins, minerals -> sufficient amount of proteins, fats, vitamins, minerals	Yes, I have added 's
14.	Whose -> which its	
15.	If the ration refers to (ransum), we suggest to change this word it into "diet" across the manuscript.	Yes, I have changed all
16.	Put the abbreviation for Maggot black soldier fly (BSF) at the first appearance on the manuscript.	Yes, I have added
17.	Introduction paragraf 3 "Maggot black soldier fly can be used" -> Maggot black soldier fly potentially be used.	Yes, I have changed
18.	Introduction paragraf 4, It was mentioned that some studies, but the citation was only 1, please add supporting references.	Yes, I have changed sentences
19.	Generally, they are used in rations when dry -> Generally, they are used in the diets in dry form, which have been reduced on its fat content. Meanwhile, the alive form of of maggot BSF are commonly used as broiler's diet.	Yes, I have changed

20.	Introduction paragraf 5 seems confusing, because it was stated that the diet highly affected organoleptic quality of the eggs, whereas the supplementation seems to be randomly cited, such as oil, leaf which is nutritionally unclear. Therefore, we suggest to cite on similar nutritional supplementation pattern, (wherein magot BSF is rich in protein content, so cite to insect, or protein rich diet).	I think clear enough
21	I was reading the author's published paper entitled "Effect of supplement Maggot Black Soldier Fly live on the percentage of carcass and weight of carcass of male Alabio ducks" and it seems like the format on those manuscript was sufficient. Please refer to those manuscript on formatting.	Yes, I have followed formatting
22.	2. Methods -> 2. Materials and methods	Yes, I have changed
23	It is better to explain the materials and methods as paragraph, not numbering, please revise it accordingly in all materials and methods section.	Yes I am agree
24	Live -> Alive	Yes, I am agree
25.	Please select consistent phrase : maggot BSF or BSF maggot.	Yes, I have changed of all
26.	Please rephrase "Trial ration, consisting of duck concentrate, rice bran, corn, and fish meal. Tables 1 and 2 present the composition and the nutrient content of the experimental ration, respectively" -> Diet trial consisting of duck concentrate (Product name, Producer, City), rice bran, corn, and fish meal (Product name, Producer, City) were prepared according to (diet preparation method by whom). Tables 1 and 2 present the nutritional composition of the each utilized feed and the Composition of the experimental diets, respectively.	Yes, I have added
27.	Table title (center text).	Yes, I have changed
28.	Oxone brand digital scale (Product name, Producer, City). Roche yolk color fan (Product name, Producer, City).	Yes, I have added

29.	Furthermore, each treatment combination shown below with six replications.	Yes, I have changed
30.	Results and Discussion	Yes, I have added 's
31	Publisher : Abbreviated, italic -> Ghana Jnl Agric. Sci. -> <i>Ghana J. Agr. Sci.</i>	Yes, I have changed

Effect of Live Maggot (*Hermetia illucens*) Supplementation on Organoleptic Quality and Yolk Colour of Duck

by 025 Gunawan

Submission date: 05-Nov-2021 03:48AM (UTC+0700)

Submission ID: 1693255673

File name: 025_IOP.docx (50.15K)

Word count: 2779

Character count: 16591

Effect of Live Maggot (*Hermetia illucens*) Supplementation on Organoleptic Quality and Yolk Colour of Duck

ABSTRACT

It is feared that live maggot supplementation in ducks will reduce egg quality, especially the taste and flavor. Therefore, this study aimed to determine the organoleptic quality of duck eggs fed with live maggot *Hermetia illucens*. The study used 120 Alabio ducks placed in postal cages. The design used was a completely randomized design with 2x2 factorial pattern, the first factor was the protein content of the ration consisting of 2 levels, namely 15% and 21%. The second factor was live maggot supplementation which consisted of 2 levels, namely 0 g and 40 g/bird/day. Testing of texture, flavor, and taste using moderately trained panelists as many as 67 panelists. Testing the yolk colour using an egg yolk color fan. The data obtained were analyzed of variance. The results showed that the protein level of the ration had significant effect on the texture and smell, but had no effect on the flavor and color of yolk. Maggot supplementation affected on the texture and flavor, but did not affect the taste and yolk colour. The interaction occurred between the protein level of the ration with the level of live maggot supplementation. Ducks fed a high protein (21%) ration plus 40 g/bird/day of live maggots produced a soft texture, good taste, fishy smell and the highest average colour score of 8.69 compared to other treatment combinations.

ABSTRAK

Suplementasi maggot hidup pada itik dikhawatirkan akan menurunkan kualitas telur terutama rasa dan aromanya. Oleh karena itu penelitian ini bertujuan untuk mengetahui kualitas organoleptik telur itik yang diberi pakan maggot *Hermetia illucens* dalam keadaan hidup. Penelitian menggunakan 120 ekor itik alabio yang ditempatkan pada kandang postal. Rancangan yang digunakan adalah rancangan acak lengkap pola factorial 2x2, factor pertama adalah kandungan protein ransum yang terdiri dari 2 level yaitu 15% dan 21%. Faktor kedua adalah suplementasi maggot hidup yang terdiri dari 2 level yaitu 0 g dan 40 g. Pengujian tekstur, flavor, dan rasa menggunakan panelis agak terlatih sebanyak 67 panelis. Pengujian warna kuning telur menggunakan egg yolk colour fan. Data yang diperoleh dianalisis varian. Hasil penelitian menunjukkan bahwa tingkat protein ransum berpengaruh terhadap tekstur dan bau, namun tidak berpengaruh terhadap flavor dan warna kuning telur. Suplementasi maggot berpengaruh terhadap tekstur dan flavor, namun tidak berpengaruh terhadap rasa dan warna. Interaksi terjadi antara level protein ransum dengan level suplementasi maggot hidup. Itik yang diberi ransum tinggi protein (21%) ditambah dengan pemberian maggot hidup 40 g/ekor/hari menghasilkan tekstur lunak, flavor cukup enak, bau amis dan rata-rata skor warna 8.69 paling tinggi dibandingkan dengan kombinasi perlakuan lainnya.

Kata kunci: Maggot, telur itik, organoleptik

PENDAHULUAN

Telur merupakan makanan yang bergizi tinggi, tidak mahal, mengandung nutrient yang seimbang dan bermanfaat untuk Kesehatan manusia. Telur mengandung protein, lemak, vitamin, mineral, dan senyawa bioaktif dalam jumlah yang cukup. Komposisi telur dipengaruhi oleh strain, umur, pakan, dan kondisi lingkungan (Kuang et al. 2018).

Telur itik memiliki cita rasa yang khas yang berbeda dengan telur ayam ataupun telur puyuh. Cita rasa telur dan karakteristik sensori lainnya seperti warna, tekstur, bau dan taste dipengaruhi oleh jenis pakan yang dikonsumsi (Krawczyk et.al (2015); Damazjak, et al (2017); Abbas et al. 2020).

Pengembangan peternakan perlu ditunjang oleh penguasaan manajemen beternak dan pengadaan bibit yang baik serta penyediaan ransum yang berkualitas dengan harga yang relatif murah. Sedemikian pentingnya peranan ransum pada usaha peternakan unggas sehingga peran biaya tersebut mencapai 70-80 % dari total biaya produksi. Donohue dan Cunningham (2009) menyatakan bahwa biaya pakan untuk ayam broiler dapat mencapai lebih dari 70% porsi utamanya untuk memenuhi kebutuhan energi metabolis. Untuk mengurangi biaya pakan perlu dicari pakan alternatif yang lebih murah namun mengandung nutrien yang lengkap. Salah satu bahan pakan alternatif yang mulai dilirik saat ini adalah maggot. Maggot tidak hanya sebagai sumber protein tetapi juga mengandung lemak yang tinggi (lebih dari 35%), kaya mineral seperti Ca (5-8%) dan P 0.6%-1.5%. (Makkar, et.al 2014).

Beberapa hasil penelitian menunjukkan bahwa maggot layak digunakan sebagai alternatif sumber pakan untuk unggas (Despines dan Axtell, 1995). Penggunaan maggot dalam ransum umumnya dalam bentuk kering (Akpodiete et al. 1998; Awoniyi et al. 2003), dikurangi kandungan lemaknya (Zotte et.al 2019;), dalam bentuk hidup (Gunawan et al. 2019;), dan dimanfaatkan lemaknya untuk pakan broiler (Cullere et al. 2019; Kim et al. 2020).

Kualitas organoleptik telur seperti warna, bau dan rasa telur telah terbukti dipengaruhi oleh pakan yang diberikan. Świątkiewicz et al (2020) menambahkan minyak algal pada ransum ayam petelur dan terbukti mempengaruhi flavour dan taste telur, sedangkan Abbas et al. 2020 menambahkan tepung daun Moringa oliefera L pada ransum ayam petelur dan ternyata mempengaruhi taste, namun odor, flavor, dan warna

relative sama. Damaziak et al (2017) menambahkan garlic and onion extracts pada ransum ayam petelur hasilnya mempengaruhi aroma dan rasa telur rebus. Oleh karena itu penelitian ini bertujuan untuk mengetahui sampai seberapa besar pengaruh dari pemberian maggot hidup terhadap kualitas organoleptik telur itik yang dihasilkan.

METODE PENELITIAN

Bahan

1. Maggot BSF hidup, fase prepupa. Maggot BSF hidup diperoleh dari hasil budidaya menggunakan media bungkil inti sawit dan bahan organik lainnya.
2. Ternak Percobaan. Penelitian ini menggunakan itik Alabio sebanyak 120 ekor, berumur 7 bulan dan dibagi secara acak ke dalam 24 unit kandang cages. Masing-masing kandang diisi dengan lima ekor itik.
3. Ransum percobaan. Bahan penyusun ransum terdiri dari: konsentrat itik, dedak halus, jagung, dan tepung ikan, Komposisi ransum percobaan disajikan pada Tabel 1, sedangkan susunan dan kandungan nutrisi ransum percobaan disajikan pada Tabel 2.

Tabel 1. Komposisi Nutrien Bahan Pakan Penyusun Ransum Percobaan (*as-fed*)

Bahan pakan	Protein kasar (%)	M.E Kkal/kg
Konsentrat itik ¹	38,00	3.300
Dedak halus ²	14,67	2.005
Jagung ²	8,10	3.244
Tepung ikan ²	42,76	2.845

¹Produksi PT. Wonokoyo Jaya Corporindo Surabaya)

²Analisis Laboratorium Makanan Ternak Universitas Padjadjaran, 2016)

Tabel 2. Susunan dan Kandungan Nutrien Ransum Percobaan

Bahan pakan	Ransum perlakuan	
	Protein rendah	Protein tinggi
	------(%)-----	
Konsentrat itik	17,00	17,00
Dedak halus	24,10	21,40
Jagung	58,90	43,60
Tepung ikan	0	18,00
Total	100	100
Kandungan nutrisi		
Protein kasar (%)	15,00	21,00
Energi metabolis (kcal/kg)	2.954	2.916

1

Alat Penelitian

1. Baskom, dengan diameter 50 cm dan tinggi 30 cm sebanyak 50 buah digunakan untuk tempat bungkil inti sawit dan bahan organik lainnya.
2. Timbangan digital merek oxone kapasitas 5 kg dengan ketelitian 1 g, digunakan untuk menimbang *pakan*, itik, telur dll.
3. Kandang terbuat dari bahan-bahan seperti kayu, bambu, atap seng dengan luas 5 x 12 m. Di dalam kandang terdapat petak kandang berukuran 150 x 200 x 60 cm sebanyak 24 petak. Alas kandang terbuat tanah yang dipadatkan. Tempat minum yang digunakan terbuat dari talang PVC memanjang dan tempat pakan yang digunakan berupa baskom berdiameter 30 cm sebanyak 24 buah.
4. Roche yolk colour fan, digunakan untuk mengukur warna yolk.

2

Metode Penelitian

Rancangan Percobaan

Rancangan yang digunakan yaitu rancangan acak lengkap (RAL) pola factorial 2x2. Faktor pertama adalah kandungan protein ransum yang terdiri dari 2 level yaitu 15% dan 21%. Faktor kedua adalah suplementasi maggot hidup yang terdiri dari 2 level yaitu 0 g/ekor/hari dan 40 g/ekor/hari. Setiap kombinasi perlakuan menggunakan enam kali ulangan. Kombinasi perlakuan tersebut adalah.:

P1 = Ransum Rendah Protein (15%) + Maggot BSF Hidup (0 g/ekor/hari)

P2 = Ransum Rendah Protein (15%) + Maggot BSF Hidup (40 g/ekor/hari)

P3 = Ransum Tinggi Protein (21%) + Maggot BSF Hidup (0 g/ekor/hari)

P4 = Ransum Tinggi Protein (21%) + Maggot BSF Hidup (40 g/ekor/hari)

1

Prosedur Penelitian

(1) Produksi maggot

Baskom sebanyak 20 buah masing-masing diisi dengan 3 kg bungkil inti sawit dan 6 liter air, ditutup dengan daun pisang kering. Dibiarkan di tempat terbuka selama 3 minggu. *Maggot* yang terdapat dalam baskom dipanen, selanjutnya ditimbang dan diberikan pada itik

(2) Penempatan itik

Itik yang baru datang dimasukkan pada masing-masing petak kandang yang sebelumnya dilakukan penimbangan berat badan awal yang seragam. Itik ditempatkan pada petak kandang masing-masing diisi 5 ekor. Setelah itu itik diberikan ransum penelitian sesuai dengan keempat macam perlakuan. Sebelum diberikan, masing-masing bahan ransum perlakuan dicampur satu sama lain dengan prosedur sebagai berikut: masing-masing bahan baku ditimbang sesuai dengan keperluan, pada tiap perlakuan dicampur sampai benar-benar homogen.

Ransum diberikan 2 kali sehari atau *ad libitum*, yaitu pada pagi dan sore hari. Ransum diberikan kembali apabila didalam tempat makanan sudah benar-benar habis sedangkan air minum diberikan secara *ad libitum*. Semua petak kandang dilengkapi dengan tempat makan dan tempat minum yang sesuai dengan kebutuhan, untuk penerangan digunakan lampu pijar 15 watt.

Telur yang dihasilkan pada setiap petak perlakuan diberi tanda dan direbus selama 30 menit. Didinginkan dan dibelah menjadi 4 bagian untuk uji panelis. Panelis yang disiapkan merupakan panelis agak terlatih sebanyak 67 orang.

Pengukuran Variabel Respon

Variabel respon yang diamati terdiri dari tekstur, flavor/citarasa, dan bau. Pengukuran variabel tersebut menggunakan pengujian organoleptik dilakukan dengan metode *hedonic test* (Lim 2011) menggunakan panelis agak terlatih sebanyak 67 orang. Skor tekstur 5-point scales, i.e. terdiri dari 1=sangat keras, 2=keras, 3=cukup, 4=lunak, dan 5=sangat lunak. Skor flavor/citarasa 7-point scales, i.e. terdiri dari 1=amat sangat enak, 2=sangat enak, 3=enak, 4=cukup, 5=kurang enak, 6=tidak enak, dan 7=sangat tidak enak. Skor bau 7-point scales, i.e. terdiri dari 1=amat sangat amis, 2=sangat amis, 3=amis, 4=cukup amis, 5=kurang amis, 6=tidak amis, dan 7=sangat tidak amis. Warna yolk diukur dengan menggunakan egg yolk colour fan.

Analisis Data

Data hasil pengamatan selama penelitian dikumpulkan, kemudian dilakukan analisis ragam untuk mengetahui perbedaan pengaruh perlakuan terhadap variabel yang diamati. Apabila hasil analisis ragam menunjukkan pengaruh nyata atau sangat nyata, maka pengujian dilanjutkan dengan uji Wilayah Berganda Duncan / Duncan Multiple Range Test (DMRT) menggunakan SPSS 23 *for windows*. (Steel and Torrie, 1982).

Hasil dan Diskusi

Tekstur

Data hasil pengamatan terhadap kualitas organoleptik telur (tekstur, flavor, dan bau) dan warna yolk dari setiap perlakuan level protein dan suplementasi maggot hidup pada itik disajikan pada Tabel 3.

Tabel 3. Rata-rata kualitas organoleptik telur itik.

Variabel	Protein (%)	Maggot BSF hidup (g)		Rataan (%)± SEM
		0	40	
Tekstur	15 (Rendah)	2.99	2.94	2.96 ± 0.062 ^b
	21 (Tinggi)	3.13	3.59	3.37 ± 0.088 ^a
	Rataan (%)± SEM	3.06 ± 0.067^b	3.27 ± 0.087^a	
Flavor	15 (Rendah)	3.34	3.48	3.41 ± 0.063
	21 (Tinggi)	3.40	3.82	3.61 ± 0.104
	Rataan (%)± SEM	3.37 ± 0.073^a	3.65 ± 0.096^b	
Bau	15 (Rendah)	3.87	3.94	3.90 ± 0.079 ^a
	21 (Tinggi)	3.39	3.07	3.23 ± 0.089 ^b
	Rataan (%)± SEM	3.63 ± 0.076	3.51 ± 0.100	
Warna yolk	15 (Rendah)	8.50	8.55	8.52 ± 0.086
	21 (Tinggi)	8.50	8.69	8.59 ± 0.092
	Rataan (%)± SEM	8.50 ± 0.104	8.62 ± 0.068	

Keterangan: Huruf superskrip yang berbeda pada baris yang sama menunjukkan pengaruh sangat nyata ($P < 0,01$)

Skor tekstur yang diperoleh pada penelitian ini berkisar 2.94-3.59 tergolong cukup lunak sampai lunak. Skor tertinggi (3.59) diperoleh pada kombinasi perlakuan ransum tinggi protein (21%) dengan penambahan maggot 40 g/ekor/hari, sedangkan skor tekstur terendah (2.94) diperoleh pada kombinasi perlakuan ransum rendah protein (16%) dengan penambahan maggot 40 g/ekor/hari. Berdasarkan hasil analisis ragam dapat diketahui bahwa perlakuan pemberian maggot BSF hidup berpengaruh nyata ($P < 0,05$) terhadap tekstur telur rebus, begitu pula dengan level protein ransum berpengaruh sangat nyata ($P < 0,01$) terhadap skor tekstur. Terjadi interaksi antara level protein ransum dengan pemberian maggot. Kombinasi Pemberian maggot hidup sebanyak 40 g/hari/ekor pada ransum tinggi protein memberikan nilai skor tekstur yang berbeda dengan ketiga kombinasi perlakuan lainnya.

Pemberian maggot hidup sebanyak 40 g/hari/ekor dapat meningkatkan skor tekstur menjadi lebih lunak. Hal ini diduga karena kandungan lemak dalam telur yang tinggi. Kandungan lemak dan protein yang tinggi dalam telur, dikarenakan itik mengkonsumsi maggot, maggot mengandung protein dan lemak yang tinggi yang dapat dideposisi dalam telur, Al-Qazzaz et al. 2016 melaporkan larva BSF mengandung protein kasar 559.9 g/kg dan lemak kasar 18.6 g/kg. Tetapi apabila kandungan lemak maggot dikurangi maka tidak banyak mempengaruhi tekstur telur. Hal ini dibuktikan dengan hasil penelitian Zotte, et.al (2019) tekstur telur puyuh relatif sama untuk kontrol dan pemberian tepung maggot yang sudah dikurangi lemaknya.

Cullere et al. (2019) Penggunaan 10% maggot kering dalam ransum puyuh tidak berefek negatif terhadap profile sensory daging dada. Ketiga grup perlakuan yaitu kontrol, 10% maggot kering yang dipelihara dalam media 100% chicken layer mash, dan 10% maggot kering yang dipelihara dalam media 50% chicken mash dan 50% fish offal, semuanya memberikan hasil yang sama terhadap profil sesnsory daging dada puyuh.

1

Flavor

Skor flavor yang diperoleh pada penelitian ini berkisar 3.34-3.82 tergolong enak sampai cukup enak. Skor tertinggi (3.82) diperoleh pada kombinasi perlakuan ransum tinggi protein dengan penambahan maggot 40 g/ekor/hari, sedangkan skor flavor terendah diperoleh (3.34) pada kombinasi perlakuan ransum rendah protein dengan penambahan maggot 0 g/ekor/hari. Berdasarkan hasil analisis ragam dapat diketahui bahwa perlakuan pemberian maggot BSF hidup berpengaruh nyata ($P<0,05$) terhadap flavor telur bus. Pemberian maggot hidup sebanyak 40 g/hari/ekor memberikan nilai skor flavor yang lebih tinggi dibandingkan dengan perlakuan tanpa pemberian maggot hidup (0 g/ekor/hari). Perlakuan level protein ransum 15% dan 21% tidak berpengaruh terhadap skor flavor telur rebus dan tidak ada interaksi antara level protein ransum dengan pemberian maggot hidup.

1

Pemberian maggot hidup sebanyak 40 g/hari/ekor dapat meningkatkan skor flavor menjadi cukup enak. Hal ini dapat disebabkan oleh kandungan asam glutamat yang tinggi dalam tepung maggot yang selanjutnya dideposisikan dalam telur itik. Al-Qazzaz et al. 2016 menyatakan bahwa peningkatan sensorik telur dapat disebabkan oleh kandungan asam glutamat yang tinggi dalam larva BSF. Larva BSF mengandung asam glutamate 65.81 g/kg. Zotte, et.al (2019) skor flavor telur puyuh meningkat dari kontrol (0%) sampai pemberian 15% tepung maggot yang sudah dikurangi lemaknya. Berbeda dengan penelitian Cullere et al. (2019) Penggunaan 10% maggot kering dalam ransum puyuh tidak berefek negatif terhadap flavor daging dada. Penelitian sebelumnya dari Cullere et al. (2018) pada puyuh pedaging menyimpulkan tidak ada perbedaan dalam profil sensorik daging yang diamati.

1

Bau

Skor bau yang diperoleh pada penelitian ini berkisar 3.07-3.94 tergolong amis sampai cukup amis. Skor tertinggi (3.94) diperoleh pada kombinasi perlakuan ransum rendah protein dengan penambahan maggot 40 g/ekor/hari, sedangkan skor bau terendah (3.07) diperoleh pada kombinasi perlakuan ransum tinggi protein dengan penambahan maggot 40 g/ekor/hari. Berdasarkan hasil analisis ragam dapat diketahui bahwa perlakuan pemberian maggot BSF hidup tidak berpengaruh terhadap bau telur rebus, sedangkan perlakuan level protein ransum berpengaruh sangat nyata ($P<0,01$) terhadap bau telur rebus, dan tidak terjadi interaksi antara level protein ransum dengan pemberian maggot hidup terhadap bau telur rebus.

7

Pemberian maggot hidup yang tidak berpengaruh terhadap skor bau telur rebus, ini sejalan dengan hasil penelitian yang dilakukan Zotte et al. (2019) yang menyatakan bahwa ciri-ciri sensorik telur yang berasal dari puyuh yang diberi makan larva BSF adalah sebanding dengan yang diperoleh untuk puyuh yang diberi pakan konvensional. Penelitian Al-Qazzaz et al. 2016 pemberian larva BSF pada ayam petelur tidak

berpengaruh terhadap karakteristik bau telur. Jadi yang lebih menentukan perbedaan terhadap skor bau adalah kandungan protein ransum. Ransum tinggi protein dapat menurunkan skor bau menjadi lebih amis. Hal ini mudah dipahami karena ransum tinggi protein dapat dipastikan lebih banyak menggunakan tepung ikan. Koehler and Bearse. (1975) menyatakan tepung ikan dalam ransum dapat menyebabkan rasa apek, basi, tengik, dan amis pada telur.

Warna

Skor warna yang diperoleh pada penelitian ini berkisar 8.50-8.69 tergolong berwarna kuning. Skor tertinggi (8.69) diperoleh pada kombinasi perlakuan penambahan maggot 40 g/ekor/hari dan level protein 21%, sedangkan skor warna terendah (8.50) diperoleh pada kombinasi perlakuan tanpa penambahan maggot (0 g/ekor/hari) dengan level protein 15% dan 21%. Berdasarkan hasil analisis ragam dapat diketahui bahwa perlakuan pemberian maggot BSF hidup tidak berpengaruh ($P>0,05$) terhadap skor warna yolk, level protein ransum juga tidak berpengaruh terhadap warna yolk. Berbeda dengan hasil penelitian Zotte et.al 2019 bahwa intensitas warna kuning telur puyuh meningkat sejalan dengan peningkatan level pemberian tepung maggot BSF yang dikurangi lemaknya. Begitu pula dengan hasil penelitian Secci et al. 2018 bahwa warna telur dari ayam yang diberi pakan substitusi 100% tepung kedelai dengan tepung larva BSF yang dikurangi lemaknya menghasilkan intensitas warna kuning telur yang lebih tinggi (redness). Namun demikian hasil penelitian ini juga terdapat kecenderungan warna yolk meningkat dengan suplementasi 40 g maggot BSF hidup. Peningkatan warna yolk menjadi kemerahan diduga disebabkan oleh kandungan total karotenoid dari maggot BSF hidup yang cukup tinggi. Menurut Secci et al. 2018 dan Finke 2013 larva BSF dapat mengandung 2,00-2,15 mg karotenoid/kg. Karadas et al. (2006) menyatakan bahwa penggunaan bahan pakan alami yang dapat memberikan warna yolk kemerahan tentu lebih diapresiasi oleh konsumen modern daripada penggunaan bahan sintetis.

Kesimpulan

Pemberian maggot BSF hidup sebesar 40 g/ekor/hari dapat menghasilkan kualitas organoleptik telur itik dengan kriteria tekstur lebih lunak dan flavor cukup enak, sedangkan untuk bau dan warna yolk relative sama dengan tanpa pemberian maggot. Level protein ransum yang tinggi (21%) dapat menghasilkan kualitas organoleptik dengan kriteria tektur lebih lunak dan bau menjadi lebih amis, sedangkan untuk flavor dan warna yolk relative sama dengan level protein ransum 15%.

Ucapan Terima Kasih

Penulis mengucapkan terima kasih kepada Direktur Riset dan Pengabdian Masyarakat, Direktorat Jenderal Penguatan Riset dan Pengembangan Kemristekdikti dan Ketua Umum Badan Pengurus Yayasan Universitas Islam Kalimantan Muhammad Arsyad Al Banjari yang telah memberikan bantuan anggaran penelitian kepada penulis.

Effect of Live Maggot (*Hermetia illucens*) Supplementation on Organoleptic Quality and Yolk Colour of Duck

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Makalah ini mengkaji kualitas organoleptik dan warna kuning telur itik, yang merupakan topik menarik untuk mendukung praktik berkelanjutan dalam industri peternakan. Namun, untuk meningkatkan kualitas naskah, kami ingin menyarankan revisi besar pada beberapa poin yang disorot.

Silakan merujuk ke pedoman penulis tentang pemformatan, terutama pada format kutipan dalam naskah, apakah menggunakan (Citation et al., 2021) atau penomoran [1]. Oleh karena itu, mohon direvisi seperlunya.

Kami sangat menyarankan agar naskah ini dapat menjalani proses pengeditan bahasa Inggris, karena kami menemukan banyak kesalahan tata bahasa dan kalimat yang tidak efektif.

Judul :

1. Penelitian ini mengkaji kualitas organoleptik telur itik, namun sepertinya kata "telur" hilang -> berubah menjadi "Pengaruh Suplementasi Maggot Hidup (*Hermetia illucens*) Terhadap Kualitas Organoleptik dan Warna Kuning Telur Bebek".
2. Silakan tambahkan nama Anda di bawah judul.
3. Hapus (.) setelah alamat afiliasi (Jl. Adhyaksa No.2 Kayu Tangi Banjarmasin, Indonesia.)

Abstrak :

1. Tambahkan binomial nomenclature setelah Maggot black soldier fly.
2. Apakah bebek Alabio memiliki nama latin *Anas platyrhynchos*? Tambahkan nama latin yang dirujuk setelahnya.
3. Mengulangi kalimat "Menggunakan Rancangan Acak Lengkap dengan pola faktorial 2x2, yang pertama adalah kandungan protein ransum yang terdiri dari 2 taraf, 15%, dan 21%, dan yang kedua adalah suplementasi maggot hidup yang terdiri dari 0 dan Konsentrasi 40 g/ekor/hari" menjadi "Rancangan percobaan yang diterapkan adalah Rancangan Acak Lengkap dengan pola faktorial 2×2 untuk mengetahui pengaruh dua faktor independen, yaitu rasio protein pada 15 dan 21%, dan konsentrasi suplementasi maggot hidup yang diberikan pada 0 dan 40 g/ekor/hari".
4. diuji menggunakan 67 panelis cukup terlatih -> diuji menggunakan 67 panelis cukup terlatih.
5. Ubah "tingkat protein ransum" -> "rasio kadar protein" di seluruh naskah (harap konfirmasi apakah itu sesuai dengan keinginan penulis atau tidak).
6. Ubah "Umumnya" -> "Studi ini menyarankan bahwa bebek Alabio ~".
7. Kata Kunci : Telur Bebek, Organoleptik

Pengantar :

1. Ubah "mengandung gizi seimbang, dan bermanfaat bagi kesehatan manusia" -> bergizi seimbang, dan bermanfaat bagi kesehatan manusia.

2. protein, lemak, vitamin, mineral dalam jumlah yang cukup -> protein, lemak, vitamin, mineral dalam jumlah yang cukup ~.
3. Milik siapa -> yang mana
4. Jika ransum mengacu pada (ransum), kami menyarankan untuk mengubah kata ini menjadi “diet” di seluruh naskah.
5. Cantumkan singkatan Maggot black soldier fly (BSF) pada tampilan pertama naskah.
6. Pendahuluan paragraf 3 “Maggot black soldier fly dapat digunakan” -> Maggot black soldier fly berpotensi digunakan.
7. Pendahuluan paragraf 4, Disebutkan bahwa beberapa penelitian, tetapi kutipannya hanya 1, harap tambahkan referensi pendukung.
8. Umumnya digunakan dalam ransum saat kering -> Umumnya digunakan dalam ransum dalam bentuk kering, yang telah dikurangi kandungan lemaknya. Sedangkan maggot BSF bentuk hidup biasa digunakan sebagai pakan ayam pedaging.
9. Pendahuluan paragraf 5 terkesan membingungkan, karena disebutkan bahwa pakan sangat mempengaruhi kualitas organoleptik telur, sedangkan suplementasi disebutkan secara acak, seperti minyak, daun yang tidak jelas kandungan gizinya. Oleh karena itu, kami menyarankan untuk menggunakan pola suplementasi nutrisi yang serupa, (dimana BSF magot kaya akan kandungan protein, jadi sebutkan insct, atau diet kaya protein).

Metode:

1. Saya sedang membaca makalah penulis yang berjudul “Pengaruh Suplemen Maggot Black Soldier Fly terhadap persentase karkas dan bobot karkas itik Alabio jantan” dan sepertinya format pada manuskrip tersebut sudah cukup. Silakan merujuk ke manuskrip tersebut tentang pemformatan.

2. 2. Metode -> 2. Bahan dan metode

Lebih baik menjelaskan materi dan metode sebagai paragraf, bukan penomoran, silakan merevisinya sesuai di semua bagian materi dan metode.

Hidup -> Hidup

Silahkan pilih frase yang konsisten : maggot BSF atau BSF maggot.

Silakan ulangi “Ransum percobaan, terdiri dari konsentrat bebek, dedak, jagung, dan tepung ikan. Tabel 1 dan 2 masing-masing menyajikan komposisi dan kandungan nutrisi ransum percobaan” -> Percobaan diet yang terdiri dari konsentrat bebek (Nama Produk, Produsen, Kota), dedak padi, jagung, dan tepung ikan (Nama Produk, Produsen, Kota) disiapkan menurut (metode persiapan diet oleh siapa). Tabel 1 dan 2 menyajikan komposisi nutrisi masing-masing pakan yang digunakan dan Komposisi pakan percobaan.

Tabel 1 – Mohon direvisi sesuai dengan pedoman

Judul tabel (teks tengah).

Catatan kaki 1 dan 2 tampaknya tidak tepat, lebih baik tidak mencantumkan sumber makanan pada catatan kaki, tetapi jelaskan pada bagian bahan dan metode sebelum tabel.

Perbaiki spasi di dalam tabel juga

Tabel 2 – Harap perbaiki tabel 2 sebagaimana mestinya.

2.2. Peralatan

Mohon direvisi sesuai

Selengkapnya tentang teks sumber iniDiperlukan teks sumber untuk mendapatkan informasi terjemahan tambahan

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Date: 30 September 2021

Letter of Acceptance for Abstract

Dear Corresponding Author : Aam Gunawan

We are pleased to inform you that your abstract 025, entitled:
"Effect of Live Maggot (*Hermetia illucens*) Supplementation on Organoleptic Quality and Yolk Colour of Duck"

has been screened and accepted to be presented at the 1st ICARELI 2021. The acceptance letter for the abstract to be presented is attached to this email.

Our committee has screened your abstract. We gave the recommendation for the publication options. However, you may still choose the publication options provided.

Kindly send your full paper in a word file and arrange the format according to the guidance below:

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Please do not hesitate to contact us if you have any questions or concerns.

Thank you.

Best regards,

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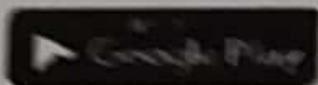
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Jl. Ir. Sutami No. 36A Kentingan, Surakarta, 57126, INDONESIA
Website: icareli.uns.ac.id Email: icareli@mail.uns.ac.id



PROGRAM SCHEDULE

The 1st International Conference on Animal Research for Eco-friendly Livestock Industry (ICARELI) 2021 Virtual Conference, 23 November 2021

Jakarta Time (GMT + 7)	Program
07.00 – 07.30	All participants enter the main room Conference Link: https://bit.ly/ICARELIZOOM
Opening Ceremony	
07.30 – 07.40	Opening by MC
07.40 – 07.45	National Anthem of Indonesia
07.45 – 07.50	Welcoming speech by Chairman
07.50 – 07.55	Welcoming speech by Dean
07.55 – 08.00	Opening speech by Rector
08.00 – 08.05	Prayer
08.05 – 08.10	Video Profile of Faculty of Agriculture UNS
Keynote 08.10 – 08.40	Dr. Ir. Nasrullah (<i>Directorate General of Livestock and Animal Health Services, Indonesia</i>)
Plenary Session I 08.40 – 10.00 Presentation: @30 min Panel discussion: 20 min	1. Prof. Sutrisno Hadi Purnomo (<i>Universitas Sebelas Maret, Indonesia</i>) 2. Prof. Siti Nur Hidayati (<i>Middle Tennessee State University, USA</i>) Moderator: Assoc. Prof. Lilik Retna Kartikasari, Ph.D Host and Co-host: Bayu Setya Hertanto, S.Pt., M.Sc. and Firmansyah Tristadika Prakosa
10.00 – 10.10	Break
Plenary Session II 10.10 – 12.00 Presentation: @30 min Panel discussion: 20 min	1. Prof. Heekwon Ahn (<i>Chungnam National University, South Korea</i>) 2. Prof. Masato Yayota (<i>Gifu University, Japan</i>) 3. Prof. Carlos Hermosilla (<i>Justus Liebig University Giessen, Germany</i>) Moderator: Farouq Heidar Barido, S.Pt., Ph.D Host and Co-host: Bayu Setya Hertanto, S.Pt., M.Sc. and Firmansyah Tristadika Prakosa
12.00 – 13.00	Break
Parallel Session 13.00 – 16.00	Parallel Session Room 1 to 7
Announcement 16.00 – 16.05	The Best Presenter (every room) by moderator
Closing for Parallel Session 16.05 – 16.10	Closing by moderator in every room



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PARALLEL SESSION

Room 1

Topic : ECO-FRIENDLY ANIMAL FEED RESOURCES, NUTRITION, FORAGE AND PASTURE	
Moderator : Muhlisin, S.Pt., M.Agr., Ph.D	
Co-Host : Firmansyah Tristadika Prakosa	
13.00-13.10	Opening
13.10-13.20	[001] Utilization of Potential Carbohydrates of Hump Flour from Various Varieties of Banana Plants for Kacang Goats <i>Aswandi, Purwanta, and Bangkit Lutfiaji Syaefullah.</i>
13.20-13.30	[003] Bioinformatic Analysis of Lucifensin Potential as A Nutraceutical Source for Livestock <i>Moh. Mirza Nuryady, Diani Fatmawati, Kiky Martha Ariesaka, Ika Wahyuni, Rita Maliza, Inggita Utami</i>
13.30-13.40	[004] Nutrient Utilization and Milk Yield of Dairy Goats Fed with Diet Containing, Garlic Meal (<i>Allium Sativum</i>) and Organic Minerals at a Transition Period <i>Caribu Hadi Prayitno, Munasik, Nur Hidayat</i>
13.40-13.50	[005] Effect of Nucleotides and Turmeric Extract on Blood Protein and Body Weight of Broiler Chickens Kept in Open House Cages <i>Elly Tugiyanti, Emmy Susanti, Ismoyowati, Rosidi</i>
13.50-14.00	[008] Effects of Supplementation Rumen Digesta on Forage Quality and Cattle Performances <i>Agus Hermawan, Indrie Ambarsari, and Heri Kurnianto</i>
14.00-14.10	[009] Impact of Ammoniation Rice Straw Treatment with Direct-Fed Microbials and Hibiscus Leaf Meal Supplemented in Concentrate on Local Sheep Performances <i>M Bata, S. Rahayu, E.A. Rimbawanto and M. Fita</i>
14.10-14.20	[012] Beef Cattle Feeding Management in Ktts Padusan Kubang Village Talun Cirebon District <i>Luky Sebastian, Mus Nilamcaya, Bayu Arisandi, Fitri Dian Perwitasari</i>
14.20-14.30	[024] Potency of <i>Dioscorea Hispida</i> Dennst as A Source of Prebiotic for Meat Type Chicken: A Review <i>D A Putra, F S Rosyad, S Prihatin, T A Bramastya, Z S Al Rahman and M Cahyadi</i>
14.30-14.40	[031] Nutrient Profile and Protease Activity of Maggot BSF (<i>Hermetia Illucens</i>) Protein Extract in Various Growing Media <i>Titin Widiyastuti, Sri Rahayu and Wardhana Suryapratama</i>
14.40-14.50	[064] The Potential of Gembili Tubers Extracted with Different Solvent Ratio and Ethanol Concentration as Prebiotic for Broiler Chicken <i>Sri Setyaningrum, Luthfi Djauhari Mahfudz, Dwi Sunarti, Vitus Dwi Yunianto</i>
14.50-15.00	[067] The Effect of Rice Bran and/or Palm Kernel Meal-Based Diet Formulation on The Feed Intake, Digestibility, Live Weight Gain and Income Over Feed Cost of Donggala Bulls Fed Corn Stover <i>Y. Rusiyantono, Marsetyo, & I. W. Sulendre</i>
15.00-15.10	[071] The Dietary Crude Protein Requirement for Growth of Young Donggala Bulls <i>Marsetyo, Damry, Tarsono, Y Duma, I W Sulendre</i>
15.10-15.20	[073] Inoculant to Substrate Ratio's Effect on Feedstuffs in Vitro Fermentability and Digestibility <i>D Evvyernie, R B Nugraha, Despal, R Zahera</i>
15.20-15.30	[074] Supplementation Effect of Different Unsaturated Fatty Acids Source on in Vitro Dairy Cattle Ration Fermentability and Digestibility <i>Despal, Dwi Irmadani, Idat Galih Permana, Rika Zahera, Norma Nuraina</i>
15.30-15.40	[075] Feeding Behaviour of Dairy Cattle Under Smallholder Urban Farming <i>Despal, Claudia Faresty, Toto Toharmat, and Rika Zahera</i>
15.40-15.50	[010] Utilization of Indigofera Leaf Meal in the Ration on Chemical Meat Composition, Carcass and Non-carcass Production, and Feces-Derived Methane Yield of Male Growing Rabbit



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	<i>Sutaryo Sutaryo, Oktafia Munita Rahmawati, Subur Subur, Retno Adiwanti, Endang Purbowati, and Agung Purnomoadi</i>
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Room 2

Topic	: ECO-FRIENDLY ANIMAL FEED RESOURCES, NUTRITION, FORAGE AND PASTURE
Moderator	: Dimas Hand Vidya Paradhista, Ph.D
Co-Host	: Mohammad Ilham Dhiaurridho
13.00-13.10	Opening
13.10-13.20	[081] The Effect of Leftover Bread in Feed on The Weight and Percentage on Carcasses and Non-Carcasses of Broilers <i>Emmy Susanti, Titin Widiyastuti, Munasik and Wahyu Kurniasih</i>
13.20-13.30	[083] Study of Mass Production and Proxymate Maggot Black Soldier Fly on Different Agriculture by-Product Culture Media <i>Sigit Sepriadi, R. Edhy Mirwandhono, Ase Lestari, Tri Hesti Wahyuni, Nazri Nayan.</i>
13.30-13.40	[089] The Effect of Explant Types and Light Condition on Callus Induction of Maize (<i>Zea Mays L.</i>) Srikandi Putih <i>Bambang Suhartanto, Muji Astutik, Nafiatul Umami, Nilo Suseno, Miftahush S. Haq</i>
13.40-13.50	[090] Effect of Extremely Low Frequency (ELF) Magnetic Field on Processing and Quality of Local Fresh Milk <i>A. S. Saleh, Y Wibisono, Sudarti, H. Subagja</i>
13.50-14.00	[106] Increasing the Potential of Linseeds Meal (<i>Linum Usitatissimum</i>) Through Processing Technology as Feed Ingredients and Source of Omega-3-6 Broilers <i>O Sjoftan, D N Adli, N Febrianingrum, H M Khozi, M F A Yudatama, M Faalah, M H Natsir, Y F Nuningtyas,</i>
14.00-14.10	[107] Study of Potential Agricultural Waste as Cattle and Buffalo Feed in West Aceh District <i>Yenni Yusriani, Sari Yanti Hayanti, Hendra Saputra Novia Qomariyah, Fitriawaty, Marchie Astrid Da Costa, Surya, and Sherly Asmaireicen</i>
14.10-14.20	[108] Nutritional Quality of Local Chicken Fermented Feed Containing Banana Tree Waste in Sidolego Village, Tabir Lintas District, Merangin Regency <i>Nurhayati, Berliana, Nelwida, Depison, Endri Musnandar, Heru Handoko, Yun Alwi, R.A. Muthalib, Abdul Azis</i>
14.20-14.30	[110] The Effect of Dietary Protein Level on Feed Intake, Digestibility and Semen Characteristics of Donggala Bulls <i>I W Sulendre, Marsetyo, Damry, Tarsono, Y Duma, N Hasan</i>
14.30-14.40	[114] Enhancement the Liver Status of Sentul Chicken of Starter Phase Induced by Irradiated Chitosan <i>H Rahmania, R Permana, D Latipudin, N Suwarno, T Puspitasari, N Nuryanthi and A Mushawwir</i>
14.40-14.50	[115] Blood Fat Profile of Laying Hens Consuming Rations That Have Been Fortified with Citric Acid and Beta-Carotene <i>R Palupi, M Verawaty, E Lidiasari, FNL Lubis</i>
14.50-15.00	[122] Evaluation of Gas Production from Phyllode and Pod of The Acacia Plant (<i>Acacia Mangium</i>) By In-Vitro Gas Test <i>JW Kusuma, I Ngadyas Tuti, E Handayanta, A Hanifah, Sudyono, and RF Hadi</i>
ANIMAL WASTE MANAGEMENT AND BIOENERGY	
15.00-15.10	[020] Public Acceptance of Livestock Biogas Technology an Environmentally Alternative Energy <i>Ayu Intan Sari, Suwanto, Suminah, and Sutrisno Hadi Purnomo</i>
15.10-15.20	[065] Producing Feed Protein by Bioconversion of Domestic and Industrial Organic Solid Wastes Using Black Soldier Fly (BSF) Larvae <i>Arief Sabdo Yuwono, Idat Galih Permana, Adisya Mahaluna Syahril, Hani Arbinaria Br Sembiring</i>
15.20-15.30	[069] Manufacture of Liquid Organic Fertilizer with Rice Washing Water (Leri) Combined with Bioactivator from Abattoir Waste (Aw)



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	<i>Catur Budi Handayani, Catur Suci Purwati</i>
15.30-15.40	116] Biogas Purification Using Biosludge - Dolomite Mixture to Improve Methane Gas Purity in Waste Management Practicum <i>Sulistyo, Yuli Yanti</i>

Room 3

Topic	: ECO-FRIENDLY ANIMAL PRODUCTS PROCESSING AND TECHNOLOGY
Moderator	: Dicky Tri Utama, Ph.D
Co-Host	: Salsabilla Ramadana
13.00-13.10	Opening
13.10-13.20	[006] The Potential of Extracts of Mangrove (<i>Rhizophora mucronate</i>), Tegeran (<i>Cudrania javanensis</i>) and Tingi (<i>Ceriops candolleana</i>) as Ecoprint Leather Dyes Natural <i>Wehandaka Pancapalaga, Erny Ishartati, Titik Ambarwati</i>
13.20-13.30	[025] Effect of Live Maggot (<i>Hermetia illucens</i>) Supplementation on Organoleptic Quality and Yolk Colour of Duck <i>Aam Gunawan</i>
13.30-13.40	[033] Antioxidant and Microbiological Properties of Probiotic Drink from Peranakan Etawa Goat Milk with Supplementation Lakum (<i>Cayratia trifolia</i> (L.) Domin) Fruits Extract <i>R B Lestari, E P Risyani, Maherawati and E Permadi</i>
13.40-13.50	[038] Development of Salted Egg Powder by the Addition of Garlic Extract <i>Herly Evanuarini and Agus Susilo</i>
13.50-14.00	[052] Tissue-Engineering" Technology for Obtaining Neuroregulatory Compounds <i>Liliya Fedulova, Ekaterina Vasilevskaya</i>
14.00-14.10	[057] Microbiological Quality and Fatty Acids the Goat's Milk Yogurt of Fermented with A Single Starter Isolate <i>Pediococcus pentosaceus</i> Strain N6 <i>Nurjama'yah Br. Ketaren, Uswatun Hasanah</i>
14.10-14.20	[070] Chemical Quality of Reduced-Fat Feta Cheese Supplemented by <i>Bifidobacterium longum</i> . Effect of Storage <i>Tridjoko W.Murti, B. J. Puspitasari, Y. Aranda, and N.D. Pratiwi, M.W.E Pradana</i>
14.20-14.30	[088] Organoleptic Study of the Powdered and Liquid Snakehead Fish (<i>Channa striata</i>) Extracts with Different Shelf Times <i>Dewi Hidayati Dessy Rahmawati Yuliani, Nurlita Abdulgani and Nurul Jadid.</i>
14.30-14.40	[102] The Effect of Ph on the Ecoprint Quality of Different Sheep Crust Leather for Eco-Friendly Animal Product <i>T Maryati, P B Saputro, N M Wulandari, S Setyaningrum, K Nisa, S Juhana and T Nugroho</i>
14.40-14.50	[103] The Effect of Malaka Leaves (<i>Phyllanthus emblica</i>) Ethanol Extract to Decrease on Mice Sperm Quality <i>Cut Nila Thasmi, Nuzul Asmilia, Elfi Satria Suryani, Mulyadi Adam, Tongku Nizwan Siregar, Hafizuddin</i>
FOOD SAFETY AND SECURITY OF ANIMAL RESOURCES	
14.50-15.00	[013] Toxoplasmosis Molecular Detection of Broiler Meats from Traditional Markets at Kulon Progo Regency, Indonesia <i>Aris Purwantoro, Wayan Tunas Artama, Yatri Drastini, Afif Ihza Abdala, Faridha Purnamasari, Daris Untoro, Debora Silka Reberta, Thomas Francis</i>
15.00-15.10	[059] Detection of Tetracycline Residue in Liver of Tilapia at Yogyakarta Traditional Markets Using High Performance Liquid Chromatography (HPLC) <i>M I S Nugroho, W Pawestri and N Hakimah</i>
15.10-15.20	[060] <i>Salmonella Sp.</i> and <i>Staphylococcus aureus</i> Contamination on Food and Hands of Food Handlers at Food Management Sites (TPM) Ulee Lheue Seaport <i>Nurliana, Raudhah, Teuku Reza Ferasyi, Sugito, Darmawi, Wahyu Eka Sari, Ulul Azmi, Luqmanul Hakim</i>
15.20-15.30	[080] Tetracyclines Residues in Dairy Milk Powder and Fresh Dairy Milk Detected by High Performance Liquid Chromatography (HPLC)



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	<i>Raphaella Widiastuti and Yessy Anastasia</i>
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Room 4

Topic : SOCIO-ECONOMIC STUDIES ON SUSTAINABLE ANIMAL FARMING	
Moderator : Dr. Siwi Gayatri, S.Pt., M.Sc.	
Co-Host : Nur Mayazah	
13.00-13.10	Opening
13.10-13.20	[011] The Role of Livestock Farming Group in Developing the Empowerment of Beat Cattle Fattening Business in Cirebon District <i>Fitri Dian Perwitasari, Bayu Arisandi</i>
13.20-13.30	[015] The Comparative Advantage of Cattle Farming and Its Contribution to Donggala Regency Livestock Development <i>Yudi Mujayin, Marsetyo, Haerani Maksum, Andi Jauhar, Suharno.</i>
13.30-13.40	[019] Contribution of Livestock Business with the Utilization of Livestock Biogas to Passive Income in Boyolali District <i>Sutrisno Hadi Purnomo, Ayu Intan Sari, Endang Tri Rahayu, dan Shanti Emawati</i>
13.40-13.50	[028] Profitability of the Cow-Calf Operation Business of Local Peranakan Ongole (Po) Cattle Based on the Cow Performance and Calf Price <i>Rini Widiati, Tri Aggraeni Kusumastuti</i>
13.50-14.00	[029] Strategy Analysis of Duck Farming Development in Gumukmas District, Jember Regency <i>Hariadi Subagja, Anang Supriadi Saleh, Sinta Qomariah, Erfan Kustiawan</i>
14.00-14.10	[035] Conserving Ongole Crossbreed with an Approach to the Value of Existence and Willingness to Pay Farmer's in Yogyakarta Indonesia <i>Elisa Christian Adhie Ernanto, Rini Widiati, and Tri Anggraeni Kusumastuti</i>
14.10-14.20	[043] Community Empowerment Through Development of Biogas Installation with Fixed Dome Plant Technology in Kenteng Village, Nogosari District, Boyolali Regency <i>S. Emawati, W. Swastike, I.N. Saputro, A.I. Sari</i>
14.20-14.30	[044] Community Empowerment Based on Organic Fertilizer Production Technology in Pare Village, Selogiri District, Wonogiri Regency <i>Suwarto, E.T. Rahayu, A. Hanifa, S. Emawati, A.I. Sari, W. Swastike</i>
14.30-14.40	[050] The Opinion of Smallholder Cattle Farmers Toward Biosecurity Policy in Bone Regency <i>V S Lestari, D P Rahardja and S N Sirajuddin</i>
14.40-14.50	[055] Consumer Choice Brand Priorities: Preferences for Processed Meat Products <i>M A U Muzayyanah, A Triatmojo, B Guntoro</i>
14.50-15.00	[076] The Perception of Rural Dairy Farmers Regarding the Commercialisation of Fibre Feed: Evidence from Lembang District <i>A N Hamidah, N Nuraina, Despal and E Taufik</i>
15.00-15.10	[077] Farmer Perception on Logistics Service of Dairy Cooperative Feed Mill Using Customer Satisfaction Index (CSI) and Importance-Performance Analysis (IPA) <i>N Nuraina, A N Hamidah, Despal and E Taufik</i>
15.10-15.20	[098] The Effect of Kampung Unggul Balitbangtan (KUB) Chicken Innovation Characteristics on Farmers' Perceptions in Kub Chicken Development in South Sumatera <i>Masito, ARS Putra dan S Andarwati</i>
15.20-15.30	[099] The Influence of Social Capital on the Farmers Empowerment of Livestock Farming in Sragen Regency <i>Endang Tri Rahayu, Suwarto, Sapja Anantanyu, Sugiharjo</i>



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Room 5

Topic : SUSTAINABLE ANIMAL PRODUCTION SYSTEM	
Moderator : Prof. Dr. Endang Tri Margawati, M.Agr.Sc.	
Co-Host : Sukaryo	
13.00-13.10	Opening
13.10-13.20	[111] Physiological Response of Dairy Goats at Different Ages, Body Weight and Pregnancy Status in Tandukan Raga Village, Deli Serdang Regency, North Sumatera <i>A Febretrisiana, Anwar, Alwiyah, Z Azmi, G E Tresia, H Hasinah and B Tiesnamurti</i>
13.20-13.30	[112] Irradiated Chitosan (IC) Inhibited the Gluconeogenesis and Heart Failure of Heat-Stressed Broiler <i>A Mushawwir, R Permana, D Latipudin, N Suwarno and T Puspitasari</i>
13.30-13.40	[113] Lipogenesis in Sentul Chicken of Starter Phase Inhibited by Irradiated Chitosan <i>A Yavie Kharazi, D Latipudin, N Suwarno, T Puspitasari, N Nuryanthi and A Mushawwir</i>
13.40-13.50	[117] Hatching Quality of Cross Between Brown Male and Black Female of Japanese Quail (<i>Coturnix Coturnix Japonica</i>) <i>Dessy Ade Isra Mirnita, Ratih Dewanti, Muhammad Cahyadi, Ari Kusuma Wati</i>
13.50-14.00	[118] Seasonal Effects on The Semen Production of Bali Bulls (<i>Bos Javanicus</i>) In West Nusa Tenggara's Lelede Regional Artificial Insemination Center <i>Tulus Maulana, Saiful Anwar, Slamet Diah Volkandari, Muhammad Nur dan Syahrudin Said</i>
14.00-14.10	[119] The Quality and Fertility Capacity of Cryopreserved Sumba Ongole Spermatozoa Using Computer Assisted Semen Analysis (Casa) <i>Tulus Maulana, Paskah Partogi Agung and Muhammad Gunawan, Syahrudin Said</i>
14.10-14.20	[123] Quality of Frozen Sheep Fat Tail Palu (Degp) in Medium Containing Glycerol with Different Levels <i>Yohan Rusiyantono, Ismail Wumbu and Rusdin</i>
ANIMAL BIODIVERSITY, ECOLOGY, AND CONSERVATION	
14.20-14.30	[022] Restriction Mapping Base on Partial Sequence of Gdf9 Gene in Local Goat <i>Fatimah Az Zahra Chairunissa, Sigit Bintara, Fariz Jordan, Nanik Prasetya Ningrum, Dina Puspitasari, Tety Hartatik</i>
14.30-14.40	[030] Molecular Fish Sexing on Taisho Sanshoku Koi (<i>Cyprinus Carpio</i>) Based on Ars.9-15 Gene Amplification by Pcr Method <i>Balqis Bahiya Milan Novindasari, Isti Ananda Nurrahmi, Krisna Noli Andrian, Aris Haryanto</i>
14.40-14.50	[082] Identification of Single Nucleotide Polymorphism and Restriction Enzyme Analysis of Mstn Gene in Duck <i>D. Maharani, D. S. Kumalawati, A. P. Z. N. L. Sari, H. Sasongko, I. Damayanti</i>
14.50-15.00	[092] Variations of Intron 6 and 7 Branched Chain Keto Acid Dehydrogenase E1 Subunit Alpha (Bckdha) Gene in Madura Cattle <i>Asri Febriana, Dyah Perwitasari and Achmad Farajallah</i>
15.00-15.10	[094] Origin and Phylogenetic Analysis of Pasundan Cattle Based on D-Loop of Mitochondrial Genome <i>I Salimah, P P Agung, S Said, A Farajallah and D Perwitasari</i>
ORGANIC FARMING	
15.10-15.20	[021] The Effect of Coffee Rind Extract on Mortality and Feeding Activity of Cabbage Leaf Caterpillar (<i>Spodoptera Litura</i>) on Cabbage Plants <i>Fanisa Novinda Ira Purnami, Harlita</i>
15.20-15.30	[027] Factors Affecting Organic Shallots Farming Income in Boyolali Regency <i>Suswadi, Agung Prasetyo</i>
15.20-15.40	[032] Farmers Attitudes to Organic Rice Cultivation at the Industrial Revolution Era <i>Suminah, M T Sundari, A Wijianto, and E Rusdiyana</i>



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Room 6

Topic	: ANIMAL HEALTH AND WELFARE
Moderator	: drh. Khesara Sastrin Prasita Negara, M.Sc.
Co-Host	: Carrisa Nurani
13.00-13.10	Opening
13.10-13.20	[014] Prevalence and Risk Factors Toxocariasis in Beef Cattle at Pandak Subdistrik, the Bantul Regency of Yogyakarta, Indonesia <i>Widodo Suwito, Suhiryanto, Anung Triyanto</i>
13.20-13.30	[016] Sensitivity Status of Aedes Aegypti from South Sumatra Against Several Insecticides <i>Vika Ichsanita Ninditya, Penny Humaidah Hamid, Raden Wisnu Nurcahyo, Rini Widayanti</i>
13.30-13.40	[023] Application of Single Duplex PCR to Differentiate <i>Fasciola</i> Species Circulate in Yogyakarta Province <i>Muhammad Kautsar And Penny Humaidah Hamid</i>
13.40-13.50	[039] Case Study on Gross Anatomy and Histopathological Lesions of Broiler Chicken's Organs Infected by <i>Leucocytozoon</i> in Banda Aceh <i>Dwinna Aliza, Muhammad Hanafiah, Amalia Sutriana, Nazaruddin, Mulyadi Adam, Herrialfian, Putika Sari Ayu</i>
13.50-14.00	[047] Liver Histopathology of Broiler Administered with Molasses Through Drinking Water <i>Dian Meididewi Nuraini, Tri Wahyu Pangestingsih, Morsid Andityas</i>
14.00-14.10	[049] The Activity of Ethanol Extract of the Leaves of <i>Phyllanthus Emblica</i> on the Burns Healing in White Rats (<i>Rattus Norvegicus</i>) <i>Rani Oktari, Nuzul Asmilia, Rosmaidar</i>
14.10-14.20	[053] Effects of Lactic Acid and Acetic Acid on Antibacterial Activity of Cell-Free Supernatant of Lactic Acid Bacteria Isolated Intestines of Layer Hens After Fermentation Feed <i>Nurliana, Ridha M. Maulana, Sugito, M. Hasan, Wahyu Eka Sari, Azhari, Ismail, Andi Novita, Rastina</i>
14.20-14.30	[056] Vaginal Cytology (Pap Smear) Profile of Endometritis Aceh Cows Before and After Lugol and Pgf2 α Treatment <i>Juli Melia, Vinny Dwigus Anggraeni Alsi, Angghian Siti Safur, Erwin Erwin, Nuzul Asmilia, Dwinna Aliza, Amrozi Amrozi</i>
14.30-14.40	[058] Comparison of Ket-A-Xyl [®] With Combination of Ketamine-Acepromazine, Ketamine-Acepromazine-Atrophine, and Ketamine by Onset and Duration of Anesthesia <i>Maria Angelica Maryatmo, Diky Syahwa, Antasiswa Windraningtyas Rosetyadewi, Aria Ika Septana, Agustina Dwi Wijayanti</i>
14.40-14.50	[084] In Vitro Use Metabolism of <i>Pediococcus Pentosaceus</i> Strain N6 as an Alternative to Natural Antibiotics in Broilers <i>Nurjama'yah Br. Ketaren, Yurnaliza, Nunuk Priyani</i>
14.50-15.00	[085] The Effect of Bisphenol an Administration in Different Routes and Doses on the Rat's Liver and Kidney <i>Tri Wahyu Pangestingsiha, Nusaibah Nuraniyati, Citra Ayu Pramesti, Bambang Sutrisno and Agus Purnomo</i>
15.00-15.10	[087] Changes in Blood Fatty Acid Profiles in Broiler Chicken Fed Diets Varying in LA to ALA Ratio <i>Lilik Retna Kartikasari, Robert J. Hughes, Mark S. Geier, Robert A. Gibson</i>
15.10-15.20	[100] Phytochemical and Cytotoxicity Studies of Coffee Grounds Extracts as Antimicrobial Against <i>Aeromonas Hydrophila</i> <i>Rumi Sahara Zamzami, Wahyu Eka Sari, Muhammad Hambal, Teuku Reza Ferasyi, Henni Vanda</i>
15.20-15.30	[121] Testing Anthelmintic Activity of Acacia Mangium Pod Against the Nematode Worm <i>Haemonchus Contortus</i> In Vitro <i>Nasichatul Hamimah, Slamet Prihatin, Susi Dwi Widayawati, Wara Pratitis Sabar Suprayogi, Adi Ratriyanto, And Rendi Fathoni Hadi</i>



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15.30-15.40	[040] The Prevalence of <i>Haemonchus Contortus</i> in Sheep and Goats in Central Region of Timor-Leste <i>Acacio Cardoso Amaral, Joana Da Costa Freitas, Rui Daniel De Carvalho, Ana Maria Da Costa Gonçalves Noronha, Jaime Maria Da Silva Ribeiro, Dan Inocencio Dos Santos</i>
15.40-15.50	[096] Identification of Newcastle Disease Case on Kampung Unggul Balitbangtan (KUB) and Sentul Terseleksi (SenSi) Chicken in Ungaran Research and Assessment Installation for Agricultural Technology <i>Rini Nur Hayati, Dwinta Prasetianti Fitri Dwi Astuti and Subiharta</i>
15.50-16.00	[101] Isolation and Identification of Fungus in the Feces of Hutan Sumatra Goats (<i>Capricornis sumatraensis sumatraensis</i>) <i>Wahyu Eka Sari, Mudhita Zikkrullah Ritonga, Muhammad Jalaluddin, Arman Sayuti, Bagus Dwijayanti, M. Daud AK</i>

Room 7

Topic	: SUSTAINABLE ANIMAL PRODUCTION SYSTEM
Moderator	: Yuli Yanti, S.Pt., M.Si., Ph.D.
Co-Host	: Puspa Maharani
13.00-13.10	Opening
13.10-13.20	[002] Response of Broiler Chickens Strain Mb-202 by Giving Various Levels of Kepok Banana Weevil Flour as A Partial Substitute for Basal Feed (Commercial 511-Bravo) <i>Aswandi, Purwanta, Sritiasni, Nutrania Sudarmi, and Maria Herawati</i>
13.20-13.30	[017] Live Weight Uniformity on the Day-Old Chick of Indonesian Local Chickens <i>Y.V. Saraswati, A. P. Z. N. L. Sari, F. Mustofa, A. Agus, E. Suryanto, H. Sasongko, A. A. K. Putra, and D. Maharani</i>
13.30-13.40	[026] Senduro Milking Goats as a Indigenous Resource of Indonesian Livestock: Estimation of Parity and Litter Size <i>Rifa'i Rifa'i, Amam Amam, Puguh Surjowardojo, Tri Eko Susilorini</i>
13.40-13.50	[042] Analysis of Technical Efficiency and Determining Factors of the Broiler Business in North Sulawesi <i>Lidya S. Kalangi, Stanly O. B. Lombogia, Jeane Pandey, and Andi Y. Fadwiwati</i>
13.50-14.00	[061] Projected Carrying Capacity of Animal Feed and Population of Java Brebes Cattle (Jabres) In Brebes Regency <i>Suci Nur Utami, M. Dini Adita</i>
14.00-14.10	[062] Study of Embryo Transfer Recipient Factors Based on the <i>Corpus Luteum</i> , Endometrial Thickness, and Hormone Levels in Beef Cattle in Yogyakarta, Indonesia <i>Agung Budiyanto, Dian Lely Ariwati, Topas Wicaksono Priyo Jr., Maria Angelica Maryatmo, Plasidius Arga Abimata</i>
14.10-14.20	[063] The Effect of Vitamin E Antioxidant Addition in Goat Milk Diluent to the Quality of Thin-Tailed Sheep Frozen Semen <i>S. Bintara, Ismaya, D. T. Widayati, R. N. Aji, W. Asmarawati</i>
14.20-14.30	[066] Reproductive Performance of Buffalo Cows (<i>Bubalus Bubalis</i>) in Karanganyar Regency, Central Java, Indonesia <i>L Nurhadiyanto, Y Yanti, J Riyanto, R Dewanti, M Cahyadi, A K Wati and W Pawestri</i>
14.30-14.40	[068] Characteristics of Body Weight and Measurement of Peranakan Ongole and Brahman Cows in the Tropic <i>T A Bramastya, S Sukaryo, M I Dhiaurridho, Y Yanti, J Riyanto, S D Volkandari, P Sudrajad, M Cahyadi</i>
14.40-14.50	[078] Efforts to Increase Beef Cattle Population Through Artificial Insemination in the Program Pengembangan Desa Mitra – Desa Sentra Sapi Potong <i>Kusuma Adhianto, Diki Danar Triwinanti, Dian Kurniawati, and Muhamad Husaini</i>
14.50-15.00	[091] An Empirical Examination on Barriers Toward Acceptance of Integrated Crop-Livestock Between Paddy and Beef Cattle in Indonesia



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	<i>Sutrisno Hadi Purnomo, Ayu Intan Sari, Shanti Emawati, Endang Tri Rahayu</i>
15.00-15.10	[093] Meat Quality, Sperm Abnormality and Economic Valuation of Male Timor Deer in Different Age <i>Daud Samsudewa, Leonardus Abieza Wibowo, Casmuti, Alvian Fattaah, Sutiyono</i>
15.10-15.20	[097] Candidacy of Genes Associated with Economic Traits for Madura Cattle in Sonok Area <i>T Nugroho, D Maharani and T S M Widi</i>
15.20-15.30	[104] Milk Production and Composition of Sapera Dairy Goats Fed by Diet Containing Protected Soybean Groats and Earthworm Meal <i>A Pramono, M Muhammad, M Cahyadi</i>
15.30-15.40	[105] The Effect of BCS, PPM, S/C and Days Open on the Calving Interval of Dairy Cows at PT. Ultra Peternakan Bandung Selatan <i>Y I Mawarni, M Cahyadi, J Riyanto, A Pramono</i>

Riwayat submit artikel sampai terbit di Prosiding ICARELI

No.	Tanggal	Kegiatan
1.	01-11-2021	Pembayaran conference
2.	04-11-2021	Submit full paper ke panitia Icare fapet IPB
3.	11-11-2021	Penyampaian revisi
4.	14-11-2021	Pembayaran
5.	17-12-2021	Submit paper
6.	19-12-2021	Pengcekan turnitin
7.	18-01-2022	Finalisasi manuscript
8.	21-01-2022	Paper submitting
9.	22-02-2022	Production paper

