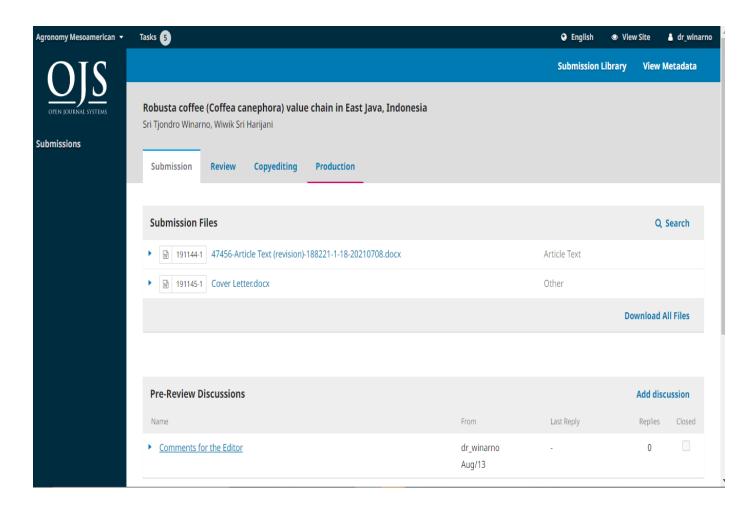
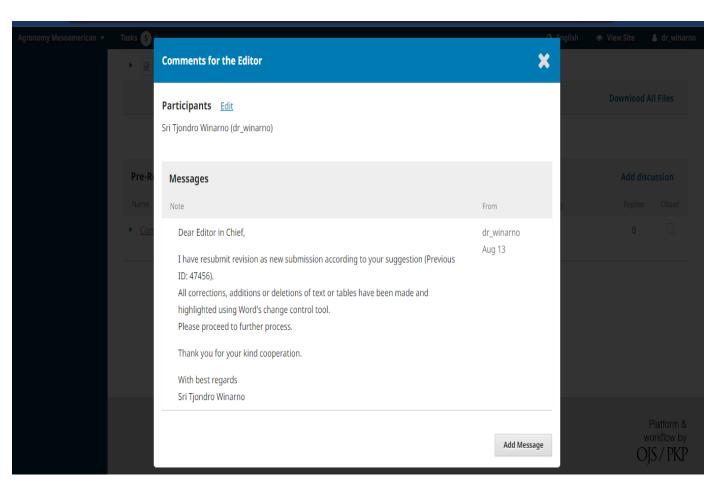
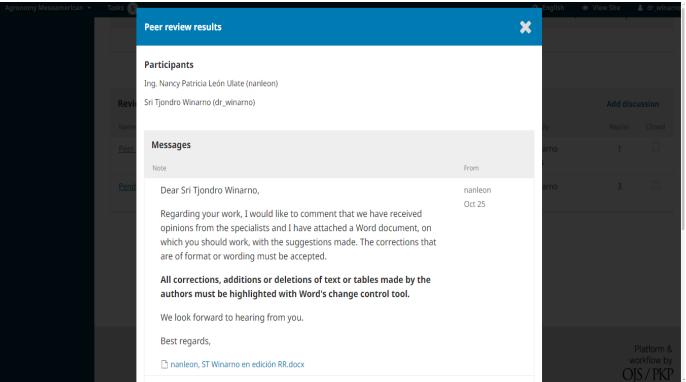
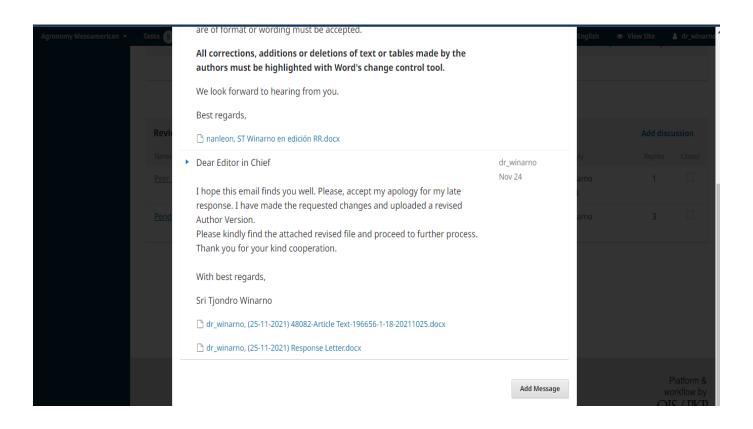
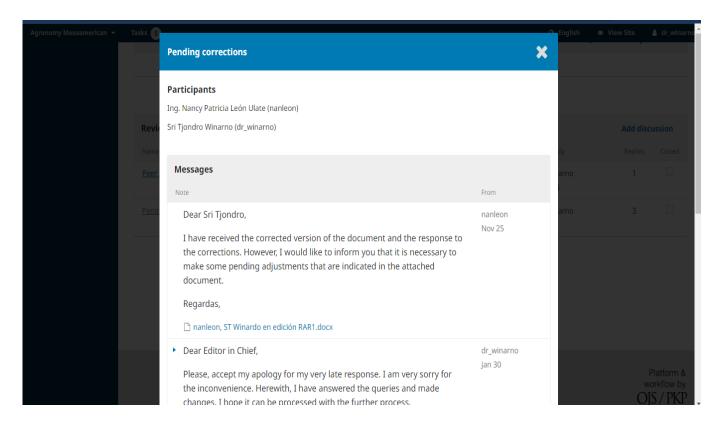
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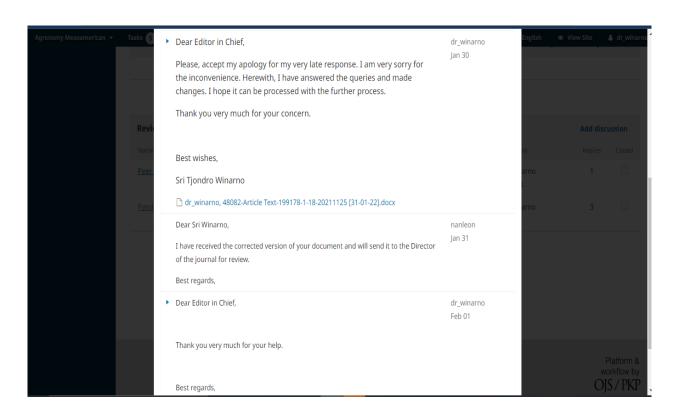


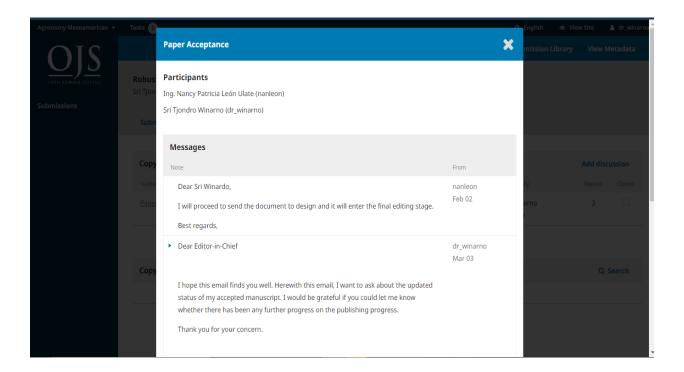


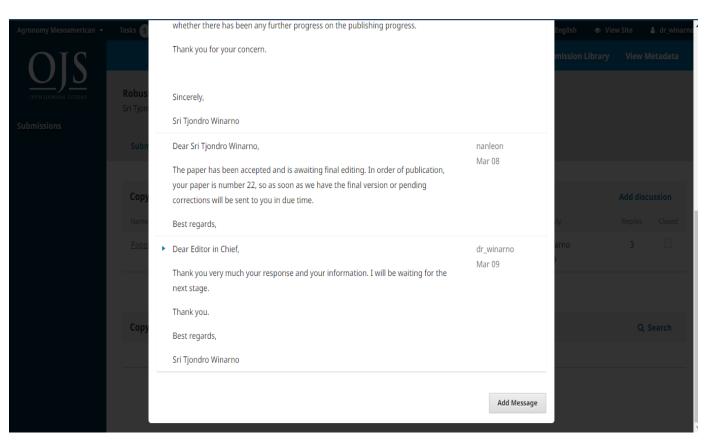


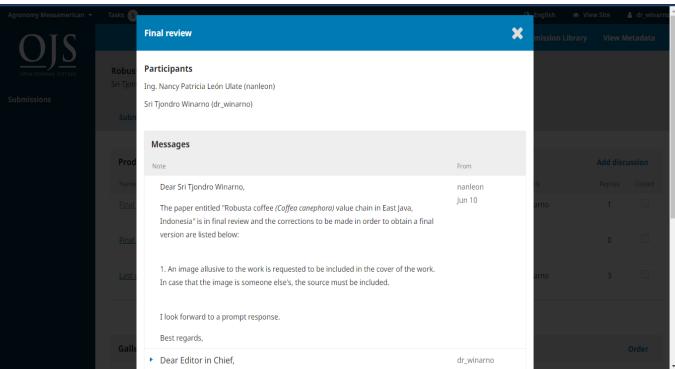


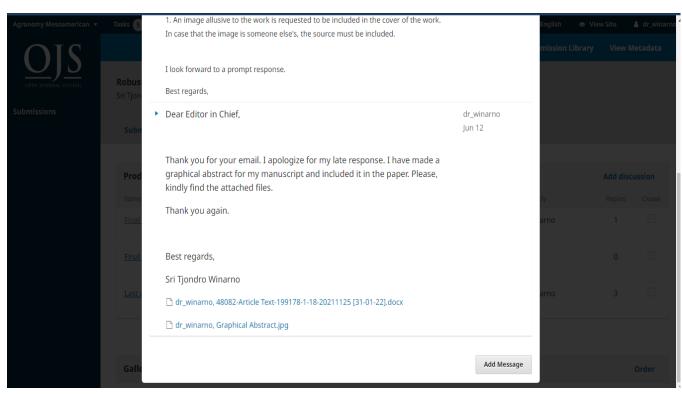


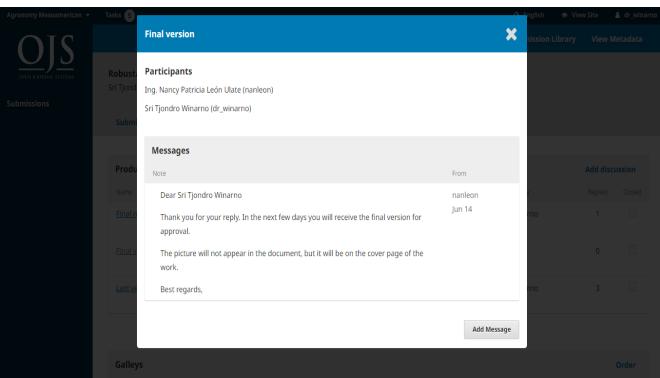


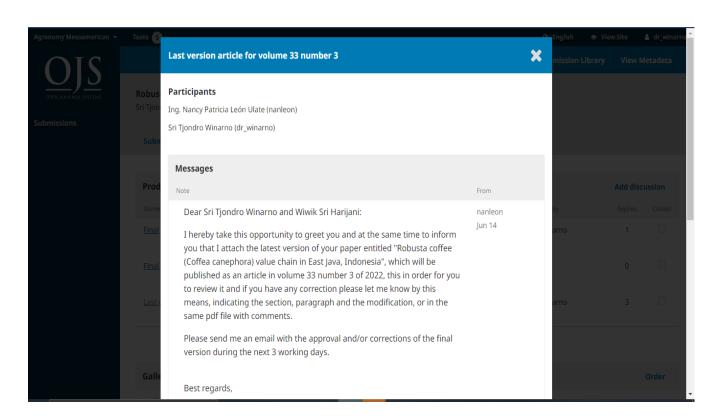


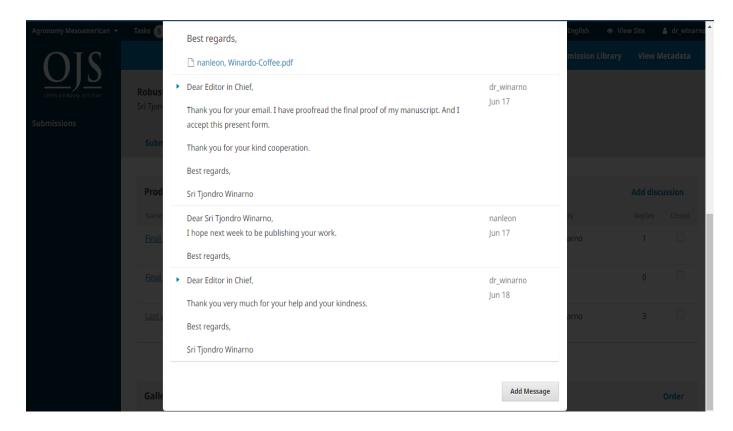












Point-to-point responses

Dear Editor,

Thank you for giving us the opportunity to submit a revised draft of my manuscript titled "The Robusta Coffee (*Coffea canephora*) Value Chain in East Java, Indonesia" to Agronomía Mesoamericana. We appreciate the time and effort that you and the reviewers have dedicated to providing your valuable feedback on our manuscript. We are grateful to the reviewers for their insightful comments on our paper. Also, we have been able to incorporate changes to reflect most of the suggestions provided by the reviewers. We have highlighted in red the changes within the manuscript.

Here is a point-by-point response to the reviewers' comments and concerns.

Sincerely,

Sri Tjondro Winarno

Reviewer: Eilyn Gonzalez Sanchez

The wording must be carefully reviewed because on many occasions the ideas are not clear enough or fall into redundancy. In addition, on many occasions the ideas are incomprehensible or incoherent, because they seem to be a textual translation, where content and context are lost.

Review the methodological part of the work since it is not very explanatory and does not allow another researcher to replicate it.

No	Issues	Responses
1	Page 1 Line 7 It must be structured and include Introduction-Objective-Materials and Methods-Results-Conclusions.	Thank you for pointing this out. According to your suggestion, we have been modified abstract into Page 1 Lines 7-20:
	It should include the place and the period in which the investigation was carried out.	Introduction. Agriculture sub-sectors is coffee commodity plantations and a high value of coffee production which balanced with proper processing and marketing activities. Objective. This study analyzes the product, process, functional, and channel upgrading to the Robusta coffee value chain in East Java. Materials and Methods. This study conducted in Bondowoso,

		Jember, Lumajang, Pasuruan, Malang, and Ngawi districts. Quota Sampling is used as a sampling technique, while the methods used were surveys and interviews. The number of respondents was ninety people who were actors in the coffee value chain, such as farmers, collectors, coffee cherry grinders, green bean grinders, and consumers. Results. The results showed that product, function, and channel upgrading had a significant effect; the upgrading process did not significantly impact the Robusta coffee value chain in several regions in East Java. Conclusions. There is a need for innovation to improve the coffee value chain to provide welfare to all parties involved in the future.
2	The entire article must be written in third person. Modify all cases.	Agree. We have been updated this this issue into Page 1 Lines 11-12: This study conducted in Bondowoso, Jember, Lumajang, Pasuruan,
		Malang, and Ngawi districts.
3	Page 1 Lines 16-17: "The results showed that product, function, and channel upgrading had a significant effect" On what effect?	The significant effect means that robusta coffee has good prospects in line with the increasing demand from time to time in East Java.
4	Page 1 Line 21 Must be selected with the help of thesauri, AGROVOC is recommended. Keywords are words that are not repeated in the title.	As suggested the reviewer, we have been modified the keyword according to AGROVOC thesauri as follow Page 1 Line 21:
		Keywords: coffee bean, farmers, robusta coffee, value chains
5	Page 1-2 Lines 23-40 Must be a loyal translate of the Abstract.	As suggested the reviewer, we have been modified the resumen as well as Page 1-2 Lines 23-40 .

Introducción. Subsectores de agricultura en crecimiento son las plantaciones de productos básicos de café y un alto valor de la producción de café que se equilibra con actividades adecuadas de procesamiento y comercialización. Objetivo. Este estudio analiza la actualización de productos, procesos, funciones y canales de la cadena de valor del café Robusta en Java Oriental. Materiales y métodos. Este estudio realizado en los distritos de Bondowoso, Jember, Lumajang, Pasuruan, Malang y Ngawi. El muestreo por cuotas se utiliza como técnica de muestreo, mientras que los métodos utilizados son encuestas y entrevistas. El número de encuestados fue de las noventa personas que son actores en la cadena de valor del café, como agricultores, recolectores, molinillos de cereza de café, molinillos de granos verdes y consumidores. Resultados. Los resultados mostraron que la mejora de productos, funciones y canales tuvo un efecto significativo; el proceso de mejora no tuvo un impacto significativo en la cadena de valor del café Robusta en varias regiones de Java Oriental. Conclusión. Existe una necesidad de innovación para mejorar la cadena de valor del café para brindar bienestar a todas las partes involucradas en el futuro.

Palabras Clave: Grano de café, agricultores, café robusta, cadenas de valor.

6 Sentences must be less than twenty words, paragraphs less than 120 words.

Writing where bibliographic citations are used as the beginning of each paragraph or for each topic Agree

	is not accepted. Only use the bibliographic citations to support the topic indicated or discussed.	
	Include the scientific names of all animals and plants (in italics; search International Association for Plant Taxonomy rapt. International Code of Botanical Nomenclature).	
	Include the biological classification of any animal or plant that was part of the research.	
	The scientific name mentioned for the second time only has the capital initial	
7	Word repetition. Check writing.	Agree. We have been modified into Page 2 Line 44:
		The agricultural sector is closely related to the industrial sector.
	The use of gerunds is not allowed, they will be highlighted in green for the author to modify them.	Thank you. We have been modified them highlighted in green with red font. However, in the case of our study, "upgrading" and "sampling" seem slightly out of gerund scope, because it has been used for value chain analysis and experimental method.
8	Word repetition.	Agree. We have been decided to delete this sentence.
		In this case, the industrial sector is mainly the agricultural product processing industry sector.
9	Word repetition.	Thank you for pointing this out. We have been modified them into Page 2 Lines 50-52:
		Various roles have led to a supply chain pattern which there is also included product, information, and financial flow.

10	Indirect quotes are not allowed, they will be highlighted in fuchsia for the author to modify them.	Thank you. We have been modified them highlighted in fuchsia with red font.
11	?	Thank you. The word "grill" in Page 2 Line 56 have been modified into "grind".
12	Word repetition again, check carefully all the article and change all cases, they will be highlighted in yellow for the author to modify them.	Thank you. We have been modified them highlighted in yellow with red font. However, in the case of our study, we still used "value chain analysis" as well as previous study.
13	Check writing. Word repetition.	Agree. We have been decided to delete this sentence.
		work
14	?	Thank you. We have been modified into Page 3 Lines 67-69 : Value Chain Development (VCD)
		focuses on the relationship formed between all parties, by ensure a sustainable pathway (Donovan and Poole, 2013).
15	Check writing.	Thank you. We have been modified into Page 3 Line 70 :
		Value chain analysis provide several advantages for decision and consideration
16	Check writing.	Thank you. We have been modified into Page 3 Lines 76-77 :
		It will be a good execution to find out a specific value which the company needs to confront customers lie

17	Circumlocution phrases not allowed; they will be highlighted in green for the author to modify them.	Agree. We have been modified into Page 3 Lines 77-79: Therefore, a study of the coffee value chain is necessary to analyze how the influence of product, functional, process, and channel improvement factors on the coffee value chain in East Java.
18	Literature Review should go in the introduction.	Agree. We have been modified them to replace in introduction also materials and methods sections.
19	Do you mean in good conditions?	Yes, we do. We mean "well" is in a good condition. We have been revised this part into Page 3 Line 76-77 . The value chain is an activity that can provide additional part and benefit for each production process until consumers receive the product in good condition (Aimin & Shunxi, 2011).
20	Check writing.	Agree. We have been modified them to replace in introduction also materials and methods sections.
21	?	Agree. We have been modified them to replace in introduction also materials and methods sections.
22	Writing can be clearer.	Agree. We have been modified this part into Page 4 Lines 127-128: Additional value is the increase in the value of raw materials or commodities with additional input or further processing of the material flow.
23	Check writing.	Thank you. We have been modified into Page 3 Lines 129-130:

		The relationship of each role is determined by its value to the customer (Asrol, 2018).
24	Is this a statement of a hypothesis? Must go in methods and materials? And where is the Null Hypothesis?	Agree. We have been modified them to replace in materials and methods sections.
		H0 if value P value \Rightarrow $\alpha = 0.05 (5 \%)$
		rejected
		H1,H2,H3,H4 if value P value <= α = 0,05 (5 %) received
25	Check writing.	Agree. We have been modified them to replace in materials and methods sections.
26	Same comment as the H1.	Agree. We have been modified them to replace in materials and methods sections.
27	Same comment as H1.	Agree. We have been modified them to replace in materials and methods sections.
28	Check writing.	Thank you. We have been modified into Page 3 Lines 96-98:
		Furthermore, digitizing each product will impact the resilience and benefits obtained (Gan et al., 2015; Centerholt et al., 2019). Orientation in business processes is not only local but global.
29	Check writing.	Thank you. We have been modified into Page 3 Lines 98-99:
		The global value chain approach consists of design, production, marketing, distribution, and service to the ultimate customer.

30	Find a way to introduce this cite to the text.	We have been modified this citation into Page 3 Lines 99-101 :
		The global value chain approach will gain more integrative advantages in transaction cost theory (Rousseau et al., 2015; Şerbănel (2015).
31	Check writing. Consider this comment as general, apply for all the article.	
32	?	
33	Same comment as H1.	Agree. We have been modified them to replace in materials and methods sections.
34	Must include:	The research was conducted from
	Place, institution, city, country, period, and time where the work was carried out.	October 2019 to March 2020, with locations in Bondowoso, Jember, Lumajang, Pasuruan, Malang, and
	The possibility for another researcher to produce similar results. If this condition is not met, it may lead to the manuscript being rejected.	Ngawi Regencies, East Java, Indonesia. The research method used is descriptive quantitative in which
	All abbreviations must be described.	the activities of observation, survey and interview use a list of questions
	Experimental design.	that have been prepared in advance for respondents to collect data on
	Description of the treatments.	value chain management.
	Indicate how the measurements were made, the criteria used indicate bibliographic citations, if applicable, on the methodology used to measure the variables. Includes the description of the scales used.	The dependent variable is improvement strategy (Y), while the independent variables are a) Product upgrading (X1) which consists of X11 = increased productivity through the use of superior seeds, X12 = Improved quality of plant maintenance; X13=improvement of the quality of processed products through proper and proper roasting. b). Process Upgrading (X2) which consists of X21 = improving the quality of human resources; X22= quality improvement by picking red; X23=improvement of the quality of coffee beans, the amount of impurities should not be more than

		4% per Kg; c). Functional upgrading (X3) which is indicated by (X31)= increase in added value; d). Upgrading Channel (X4) which consists of X41= entering the local market; X42=entering regional market; X43=enter the national market.
35	Sample taking was undertaken that interviews had suitable skill and competency which encircles research, coffee cultivation, grinding, marketing, and consumer. Check writing.	Respondents used in this study were 120 respondents, each district consisting of 1. Head of plantation sector (number 1); 2. Head of Plantation Section (total 1); 3. Head of farmer group (total 4); 4. Farmers (total 3); 5. Coffee processor (total 3); 6. Traders (as many as 2); 7. Distributors (as many as 2); 8 Consumers (a total of 4) Interviews with respondents were conducted with the help of the questions that have been provided, coffee cultivation, milling, marketing, and consumers.
36	Cite missing.	Thank you for pointing this out. We have been modified this citation into Page 5 Lines 159-161:
		Then, the obtained data is used by Warp-PLS 6.0 version in this analysis. Warp-PLS 6.0 is software created by Ned Kock to answer the research goal about the value chain (Kock, 2013).
37	How was the statistical analysis of the data carried out? What tests were used? What criteria were the researcher based on?	using Warp-PLS 6.0 which was created by Ned Kock by using a reflective construct, it is necessary to do three things, namely testing convergent validity, discriminatory validity, and composite reliability. This evaluation includes a model fit test, path coefficient, and R2. The model fit test was carried out before testing the significance of the path

		coefficient and R2. This model fit test is used to determine whether a model has a match with the data. In the model fit test, there are 3 test indices, namely average path coefficient (APC), average R-squared (ARS) and average variance factor (AVIF). APC and ARS are accepted on condition that p - value < 0.05 and AVIF is smaller than 5. Furthermore, the results of the path coefficient and R2 can be seen in the direct effect of the results of data processing. Path coefficient is used to find out how big the value of the path coefficient is. R2 can be seen in the effect size is used to determine how much influence the independent variable affects the dependent variable.
38	Check writing.	Agree
39	Clarify this abbreviation.	"Sig" in Table 1 means Significant for statistic analysis.
40	Should:	Agree
	Analyse the obtained results.	
	Establish relationships between causes and effects.	
	Explain the statistical differences between treatments.	
	Because there were no differences between treatments.	
	Indicate why it differs from previous similar experiments.	
	Relate between the results and interpretations of this work with other investigations.	
	Clarify the limitations within which the experiment was developed.	
	Include practical and theoretical applications.	
	Discuss the meaning of the results and develop those that are not expected or contradictory.	

41	?	The term of "encircled" mean enclose
		with, so we have been revised it.
42	Check writing.	Product upgrading enclose with simple management appliances to increase the coffee quality and quantity through good maintenance, by NPK (nitrogen, phosphorus, and potassium) fertilizer, pest and disease control, and branch cutting We have been decided to delete this sentence.
		The coffee product is increasing and wellness picking quantity, so that cherries coffee would be well-produced.
43	Quality green beans are the key to adding value	This sentence has been modified into
	as well as roasted coffee.	Page 7 Lines 226-229:
	Why?	Quality green beans are the key to adding value as well as roasted coffee. Coffee quality can be expressed by their own compositions such as physical, biochemical, and organoleptic. Some of antioxidant component of coffee slightly reduced during roasting (Sualeh et al., 2020).
44	Customers are part of increasing value ?	Customers are part of increasing value because they play a role as subject who receive product. It also related with how product increased satisfaction and loyalty leads to higher willingness to pay.
45	The processing of ose coffee into ground coffee can increase the product's added value by 41.89 % (Jati, 2006) and 42.97 % (Puspita, 2013).	Thank you. "Ose" means dry coffee bean. We have been modified "ose coffee" into "dry coffee bean" in manuscript (Page 7 Line 236).
	What is "ose"?	

46	Check writing.	Thank you. We have been modified into Page 7 Lines 225-227 :
		In the future, there are many challenges in the coffee trade system, so other innovations must continue to be carried out.
47	?	We have been decided to delete this sentence.
		for products produced
48	Check writing.	Thank you for pointing this out. In accordance with reviewer suggestion, we have been modified inti Page 8 Lines 257-258.
		In this case, Department of Agriculture of six districts in East Java, coffee farmers, and private sectors play a role in robusta coffee handling, so the process can run well.
49	Must be consistent with the research objectives and respond to them.	Agree. We have been updated the conclusion according to reviewer
	It is not allowed to summarize results, or to present a repetition of what was developed in the work.	suggestion into Page 8 Lines 260-268:
		Product, functional, and channel upgrading can have positive impact on the value of Robusta coffee in several areas in East Java. In contrast, the process upgrading does not have a real impact. Robusta coffee has good prospects in line with the increasing demand in East Java. Therefore, it is necessary to have good handling starting from upstream to downstream with a strategic approach, aiming to provide improvements through product upgrading, increasing productivity in quality and quantity.

		Then, the process upgrading strategy improves the quality of human resources and improves the grinding, picking process. Besides, functional enhancements such as increased additional value, meanwhile the upgrading channel can expand the market.
50	It is recommended to use references as recent as possible (from the last ten years) and include classic articles on their subject. References should be in APA 7th Ed format, according to: https://apastyle.apa.org/style-grammar-	Akan dibantu oleh Tim Klinik Jurnal setelah revisi author selesai.
	guidelines/references/examples	
51	This reference was not cited in the document.	We have been decided to delete this reference.
		McCormick, D. & Schmitz, H. (2001). Manual For Value Chain Research on Homeworkers in The
		Garment Industry. IDS.

ADDITIONAL NOTE

No	Issues	Responses
1	MISSING TO INDICATE IF IT WAS THESIS, PROJECT, ETC. INCLUDE THE NAME OF	The research was carried out independently, only as a function of
	THE INSTITUTION THAT SUPPORTED AND / OR FINANCED IT.	the East Java Provincial Plantation Service, only providing access to the
		Agriculture Service in the research area (Bondowoso, Jember, Lumajang,
		Pasuruan, Malang, and Ngawi) so that the bureaucracy is not complicated.
2	MISSING ORCID CODE AND EMAIL.	Second author : email :
	INSTITUTIONAL AFFILIATION MUST BE	wiwik_sh@upnjatim.ac.id
	COMPLETE, NO ACRONYMS	and do not have an ORCHID number
3	TABLE 1. Resultados del estudio de la	
	actualización de productos, procesos, funciones y canales de la cadena de valor del café robusta	

en los distritos de Bondowoso, Jember, Lumajang, Pasuruan, Malang y Ngawi en la provincia de Java Oriental (Java Timur), basados en el procesamiento de datos con WARP PLS 6.0. Faculty of Agriculture, Agribusiness Department, UPN Veteran East Java República de Indonesia. AÑO O PERIODO The research was carried out for 6 (six) months from October 2019 to March 2020 (beginning of the pandemic)