

Korespondensi Jurnal

Judul Artikel : Lactoferrin Association with Maternal Nutritional Status and Lactation Stages

Kode Naskah : C6

Nama Jurnal : Current Research in Nutrition and Food Science

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1.	Submitted to the journal (Current Research in Nutrition and Food Science)	27 – 10 – 2019	Editor (Journal System Dashboard)
2.	Editor Comment	27 – 10 – 2019	Editor (Journal System Dashboard)
3.	Revision Required Reviewer 1 and Reviewer 2	29 – 10 – 2019	Revision notes from reviewers (Journal System Dashboard)
4.	Revised	30 – 10 – 2019	Editor (Journal System Dashboard)
5.	Accepted	8 – 11 – 2019	Editor (Journal System Dashboard)
6.	Published Online	01 – 04 – 2020	Editor (Journal System Dashboard)

1. Submitted to the journal (Current Research in Nutrition and Food Science)
Tanggal 27 – 10 – 2019

Tulis

Kotak Masuk 145

Berbintang

Ditunda

Terkirim

Meet

Rapat baru

Gabung ke rapat

Hangout

Rahfiludin +

Tidak ada chat terbaru

Mulai yang baru

Successful Manuscript submission for Current Research in Nutrition and Food Science Journal

Kotak Masuk x



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Dear Dina Rahayuning Pangestuti

Thank you for submitting your manuscript "Lactoferrin association with maternal nutritional status and lactation stages" through On Submission !

Shortly our team will mail you the status of manuscript.

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Editorial Assistant
Current Research in Nutrition and Food Science
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2. Editor Comment Tanggal 27 – 10 – 2019

Current Research in Nutrition and Food Science – Review Form

Title: **Lactoferrin association with maternal nutritional status and lactation stages**

Conflict of Interest: **None**

Please check the review policy at www.foodandnutritionjournal.org/submission/review-guidelines/

Does the paper meet a high standard of scientific quality and credibility? Yes No

Is the paper readable and appropriately presented? Yes No

English language level: is the English language comprehensive and flawless? Yes No

Are there any grammatical or spelling mistakes? Yes No

Are full forms for abbreviations stated at the 1st mention of the abbreviation? Yes No

Are appropriate legends provided with tables/ figures? Yes No

Does the paper contain appropriate referencing? Yes No

Does the paper contain any recognizable plagiarism? Yes No To some extent

Level of Interest: Please indicate how interesting you found the manuscript.

Does the paper compliant with the aims and scope of the journal it is submitted to? Yes No

Does the paper meet ethical requirements? Yes No

Does the paper include animal or human study? If yes, was ethical committee approval details provided in the paper? Yes No Not Applicable

Is this a human intervention study? Was consent taken before the study? Yes No Not Applicable

Is the statistical analysis sound and justified? (Does it require expert statistical review?) Yes No

Other Comments?

This study aimed to determine how the mother's nutritional status during pregnancy and the lactation period is associated with LF concentration in postpartum human milk. Some specific comments are:

Comments per section of manuscript:

Abstract	The sentence mentioned in abstract “The milk was collected from 10 day-old infant (median), at 10.00 a.m. and stored 73 days before analysed.....” should be corrected as milk was collected from mothers.
Introduction	Well written
Methodology	<ol style="list-style-type: none"> 1. Methods are well described mentioning data collection tools and ethical approval. Collection of breast milk sample in household visits may be difficult. 2. Title reflects milk was to be collected at varying stages of lactation not at 10 day only then only we can find the association of milk quality by lactational stages as reflected in the title. Subsequent analysis also shows collection of milk sample at different lactational stages not at fixed day.
Results and Discussion	<ol style="list-style-type: none"> 1. Table 1 and 2 provides summary characteristics of mothers and their breast milk parameters but these table failed to provide details of parameters in association with maternal factors. Some statistical tests are referred but there is no mention of groups to be compared and P values and some results are not mentioned. 2. Table 3 provides bivariate analysis only presenting simple correlations. Use of partial and multiple correlation was desired. Regression analysis of LF as a breast milk quality parameter could have been a better idea to predict it on the basis of maternal factors.



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	<p>3. Results are well known and this study could not add any new fact in the existing knowledge may be due to under analysis of data and taking only LF concentration only as a quality parameter. It would have been better to present some more quality parameters and using multivariate analysis of data rather than bivariate analysis only as some factors are interrelated misleading the results derived being a complex relationship.</p> <p>3. Main problem with this study is completely ignoring the breast feeding behaviour of mothers (in terms of frequency of feeding, colostrums feeding), mode of delivery, postnatal care of mother, dietary supplementation, and iron supplementation during ANC.</p>
References (Appropriateness)	<p>It is mentioned that mother's nutritional status to their milk quality has rarely been studied but there is an ample literature on the topic.</p>

Rating (1 to 5) 5: Excellent, 1: Poor

Originality	4
Depth of research	3
Technical quality	3

Recommendation:

✓ Accept conditionally, subject to minor revision, according to my accompanying comments

3. Revision Required Reviewer 1 and Reviewer 2 Tanggal 29 – 10 – 2019

Author's Response to Reviewer's Comments

Reviewer number 1

Paper title: Lactoferrin association with maternal nutritional status and lactation stages

Title	Reviewer's Comments
Abstract	Well done. I recommend to delete the following phrase: Body weight at postpartum was 55.7 kg, and replace it with details about BMI.
Introduction	OK
Methodology	Well done.
Results and Discussion	Good
References (Appropriateness)	OK, recent.

Author's Response to Reviewer's Comments

Reviewer number 2

Paper title: Lactoferrin association with maternal nutritional status and lactation stages

Title	Reviewer's Comments
Abstrac	The sentence mentioned in abstract "The milk was collected from 10 day-old infant (median), at 10.00 a.m. and stored 73 days before analysed....." should be corrected as milk was collected from mothers.
Introduction	Well written
Methodology	<ol style="list-style-type: none"> 1. Methods are well described mentioning data collection tools and ethical approval. Collection of breast milk sample in household visits may be difficult. 2. Title reflects milk was to be collected at varying stages of lactation not at 10 day only then only we can find the association of milk quality by lactational stages as reflected in the title. Subsequent analysis also shows collection of milk sample at different lactational stages not at fixed day.



Results and Discussion

1. Table 1 and 2 provides summary characteristics of mothers and their breast milk parameters but these tables failed to provide details of parameters in association with maternal factors. Some statistical tests are referred but there is no mention of groups to be compared and P values and some results are not mentioned.
2. Table 3 provides bivariate analysis only presenting simple correlations. Use of partial and multiple correlation was desired. Regression analysis of LF as a breast milk quality parameter could have been a better idea to predict it on the basis of maternal factors.
3. Results are well known and this study could not add any new fact in the existing knowledge may be due to under analysis of data and taking only LF concentration only as a quality parameter. It would have been better to present some more quality parameters and using multivariate analysis of data rather than bivariate analysis only as some factors are interrelated misleading the results derived being a complex relationship.
4. Main problem with this study is completely ignoring the breast feeding behaviour of mothers (in terms of frequency of feeding, colostrums feeding), mode of delivery, postnatal care of mother, dietary supplementation, and iron supplementation during ANC.



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References (Appropriateness)

It is mentioned that mother's nutritional status to their milk quality has rarely been studied but there is an sample literature on the topic



Current Research in
Nutrition and Food Science

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4. Revised Tanggal 30 – 10 – 2019



Author's Response to Reviewer's Comments

Reviewer number 1

Paper title: Lactoferrin association with maternal nutritional status and lactation stages

Title	Reviewer's Comments	Author's Response
Abstract	Well done. I recommend to delete the following phrase: Body weight at postpartum was 55.7 kg, and replace it with details about BMI.	Thank you. We have revised body weight to BMI at abstract.
Introduction	OK	
Methodology	Well done.	
Results and Discussion	Good	
References (Appropriateness)	OK, recent.	



Author's Response to Reviewer's Comments

Reviewer number 2

Paper title: Lactoferrin association with maternal nutritional status and lactation stages

Title	Reviewer's Comments	Author's Response
Abstrac	The sentence mentioned in abstract "The milk was collected from 10 day-old infant (median), at 10.00 a.m. and stored73 days before analysed....." should be corrected as milk was collected from mothers.	Thank you for the suggestion. We have revised the sentence to "Milk was collected from mothers with ten-day-old infants (median)."
Introduction	Well written	
Methodology	<ol style="list-style-type: none">1. Methods are well described mentioning data collection tools and ethical approval. Collection of breast milk sample in household visits may be difficult.2. Title reflects milk was to be collected at varying stages of lactation not at 10 day only then only we can find the association of milk quality by lactational stages as reflected in the title. Subsequent analysis also shows collection of milk sample at different lactational	<p>Thank you for the comment.</p> <p>Yes, actually we would like to inform the median days of milk collection in order to describe the age of infants, as also mentioned in Table 2.</p>



	stages not at fixed day.	
Results and Discussion	<p>1. Table 1 and 2 provides summary characteristics of mothers and their breast milk parameters but these tables failed to provide details of parameters in association with maternal factors. Some statistical tests are referred but there is no mention of groups to be compared and P values and some results are not mentioned.</p> <p>2. Table 3 provides bivariate analysis only presenting simple correlations. Use of partial and multiple correlation was desired. Regression analysis of LF as a breast milk quality parameter could have been a better idea to predict it on the basis of maternal factors.</p> <p>3. Results are well known and this study could not add any new fact in</p>	<p>The maternal factors mentioned in the table 1 were intended to explain the socioeconomic characteristics of the mother. Nutritional status during the 3rd trimester of pregnancy was represented through Hb and MUAC level profiles, while nutritional status during breastfeeding was conveyed in the anthropometric profile. We have revised the results of the statistical test by including the p value at the bottom of the table. Thank you for your correction.</p> <p>Answers for no. 2 and 3: We agree with your comments, and we have included the results of multivariate analysis in the revised manuscript.</p>



	<p>the existing knowledge may be due to under analysis of data and taking only LF concentration only as a quality parameter. It would have been better to present some more quality parameters and using multivariate analysis of data rather than bivariate analysis only as some factors are interrelated misleading the results derived being a complex relationship.</p> <p>4. Main problem with this study is completely ignoring the breast feeding behaviour of mothers (in terms of frequency of feeding, colostrums feeding), mode of delivery, postnatal care of mother, dietary supplementation, and iron supplementation during ANC.</p>	<p>Thank you for your comments. In the characteristics profile, we describe factors related to socioeconomic factors and other factors related to LF concentration according to references. However, we realize the weakness of this study is that it cannot describe the nutritional adequacy of maternal intake, especially in iron. We have included it in the revised manuscript.</p>
References (Appropriateness)	It is mentioned that mother's nutritional status to their milk quality has rarely been studied but there is an ample	We mentioned in the context of Indonesia which rarely been done and reported.



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	literature on the topic.	“In Indonesia, the effect of mother's nutritional status to their milk quality has rarely been studied”
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5. Accepted Tanggal 8 – 11 – 2019



Current Research in Nutrition and Food Science – Review Form

Title: **Lactoferrin association with maternal nutritional status and lactation stages**

Conflict of Interest: **None.**

Please check the review policy at www.foodandnutritionjournal.org/submission/review-guidelines/

Does the paper meet a high standard of scientific quality and credibility? Yes No

Is the paper readable and appropriately presented? Yes No

English language level: is the English language comprehensive and flawless? Yes No

Are there any grammatical or spelling mistakes? Yes No

Are full forms for abbreviations stated at the 1st mention of the abbreviation? Yes No

Are appropriate legends provided with tables/ figures? Yes No

Does the paper contain appropriate referencing? Yes No

Does the paper contain any recognizable plagiarism? Yes No

Level of Interest: Please indicate how interesting you found the manuscript.

Good

Does the paper compliant with the aims and scope of the journal it is submitted to? Yes No

Does the paper meet ethical requirements? Yes No

Does the paper include animal or human study? If yes, was ethical committee approval details provided in the paper? Yes No Not Applicable

Is this a human intervention study? Was consent taken before the study? Yes No Not Applicable

Is the statistical analysis sound and justified? (Does it require expert statistical review?) Yes No

Other Comments?

No



Current Research in Nutrition and Food Science

Comments per section of manuscript:

Abstract	Well done. I recommend to delete the following phrase: <i>Body weight at postpartum was 55.7 kg</i> , and replace it with details about BMI.
Introduction	OK
Methodology	Well done.
Results and Discussion	Good.
References (Appropriateness)	OK, recent.

Rating (1 to 5) 5: Excellent, 1: Poor

Originality	4
Depth of research	4
Technical quality	4

Recommendation:

- Reject unconditionally
- Reject in current form, but allow resubmission after revision as per my accompanying comments
- Accept conditionally, subject to minor revision, according to my accompanying comments
- Accept unconditionally

Reviewer Name: Monica Tarcea	Designation: University of Medicine, Pharmacy, Science and Technology from Targu Mures city, Romania
Address : 38 Gheorghe Marinescu street Targu Mures city, Romania	Date: 8th November 2019
Research Interest: Public Health and Nutrition Publons ID: monica.tarcea@umfst.ro AAB-8622-2019 (Web of Science ResearcherID) ORCID ID: https://orcid.org/0000-0001-7299-118X	Signature:  

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-  Rahfiludin +
- Tidak ada chat terbaru

4 dari 28



Rahfiludin Zen <rahfiludinzen@gmail.com>
 kepada Managing

Dear editor,

We apologize for the misinformation in our previous email. We inform you that the Corresponding Author in the article titled "Lactof Association with Maternal Nutritional Status and Lactation Stages" is Mohammad Zen Rahfiludin. So there is no change to the Corresponding Author in the previous article's publication. However, we still propose changes to the list of references. Reference li 23 there was a writing error in the journal name. Therefore, we propose you revised reference No. 23 to "Mehta M, Faridi MMA, St S, Singh O, Sharma AK. A prospective study of iron status of exclusively breastfed infants weighing 1800-2499g at birth and correl with breast milk lactoferrin. International Journal of Pediatrics and Child Health, 2016, 4, 42-51. "

Thanks

Best regards,

Mohammad Zen Rahfiludin

21 Jan 2020 16.06



Managing Editor <info@foodandnutritionjournal.org>

22 Jan 2020 18.06

6. Published Online Tanggal 01 – 04 – 2020

Home » Lactoferrin Association with Maternal Nutritional Status and Lactation Stages

Lactoferrin Association with Maternal Nutritional Status and Lactation Stages

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Final Approval by: Dr. Daniel Cozzolino

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Abstract:

Previous research has not been consistently found that Lactoferrin (LF) is influenced by maternal factors, during pregnancy and postpartum. In Indonesia, the effect of mother's nutritional status to their milk quality has rarely been studied. This study aimed to determine how the mother's nutritional status during pregnancy and the lactation period is associated with LF. This cross sectional study was performed from September to November 2017 at three primary health care centres working area in Semarang, Indonesia. Seventy-nine lactating mothers were recruited. LF was analysed from about 5 ml of human milk. Data on the mother's general characteristics and anthropometry (weight, height, and mid-upper-arm-circumference (MUAC)) were collected. Mother's average age was 28±5 years old, mostly multipara and non-working. Average haemoglobin concentration at the third trimester pregnancy was 11.3±1.09 mg/dL MUAC at the third trimester pregnancy and postpartum was 25 cm and 26.4 cm, respectively. Body mass index at postpartum was 23.74 kg/m². Median human milk LF was 1.52 g/L. Milk was collected from mothers with ten-day-old infants (median), at 10.00 a.m. and stored 73 days before analysed. Median LF in colostrum (1.60 g/L) did not differ significantly from transition (1.99 g/L), but did with mature milk (1.07 g/L). Better nutritional statuses of mothers during pregnancy (as indicated by MUAC) and early stages of lactation resulted in significantly higher LF concentration in human milk.

Keywords:

Lactoferrin; Human Milk; Maternal Nutritional Status; Lactation Stages

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Introduction

Lactoferrin (LF) is a protein that has various functions in the body's metabolism in the form of iron-binding glycoproteins, which are often referred to as metalloproteins.¹ Based on its structure, LF has a similarity concentration to transferrin serum (sTfR) of 60%. Initially, LF was found in cow's milk, and was later studied in breast milk, saliva, tears and pancreatic fluid.¹ LF

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