

REKAM JEJAK DIGITAL ARTIKEL

Reference range of complete blood count, Ret-He, immature reticulocyte fraction, reticulocyte production index in healthy babies aged 1–4 months

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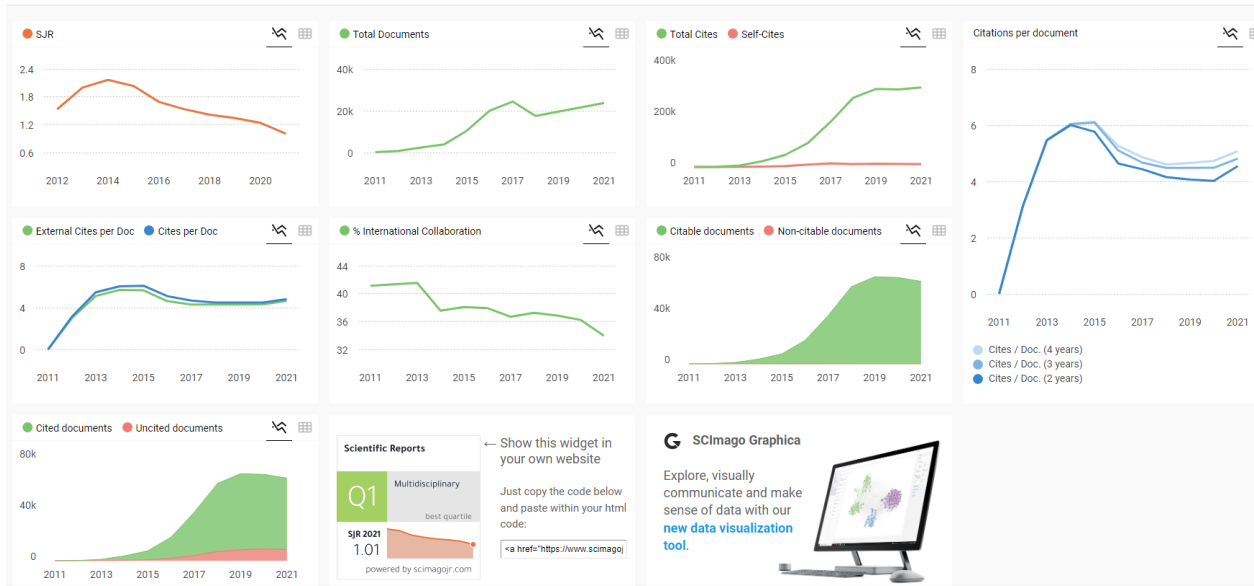
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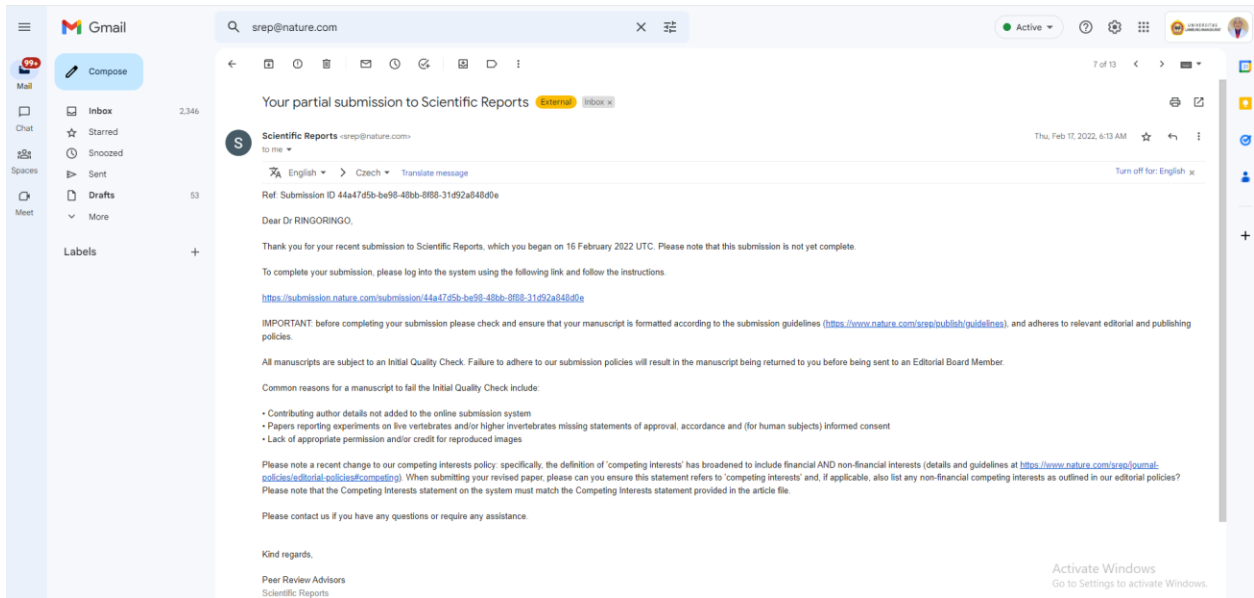
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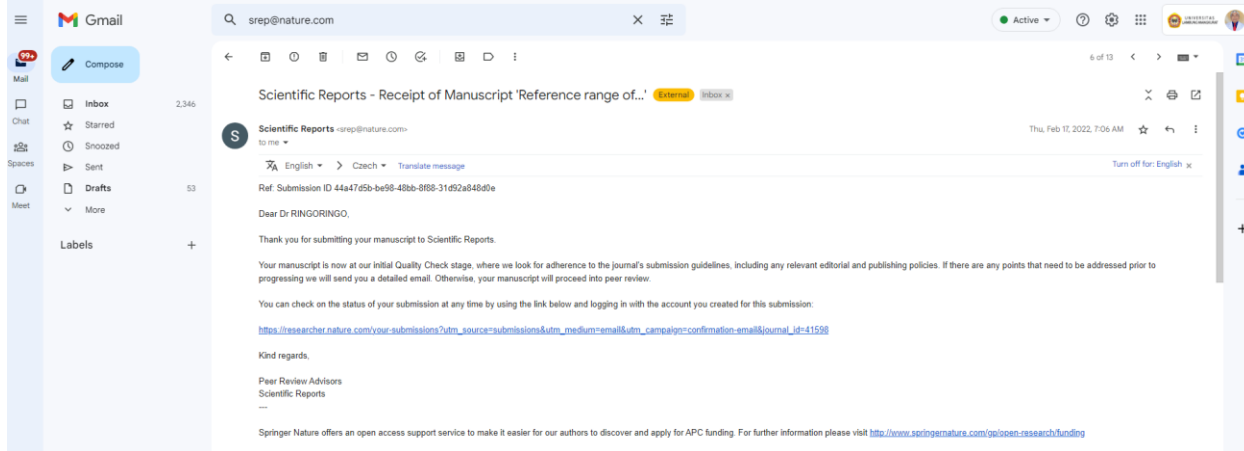
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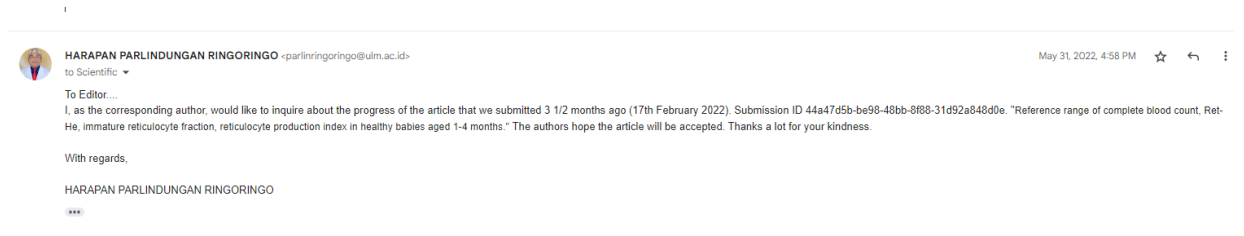
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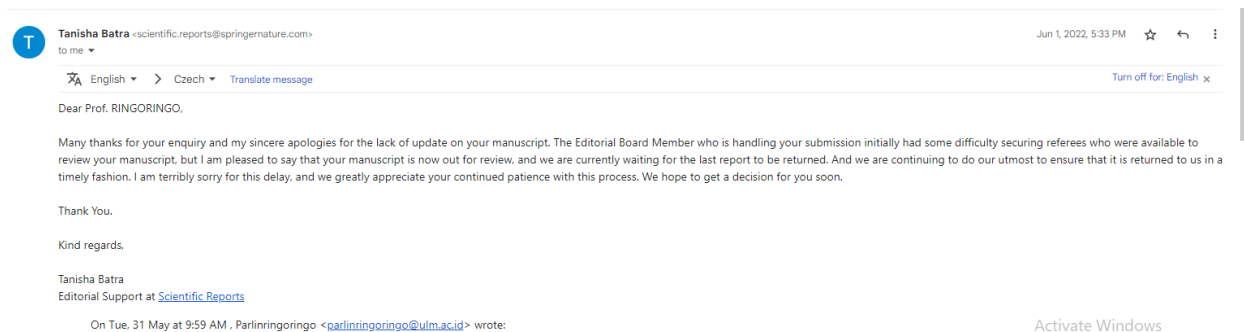
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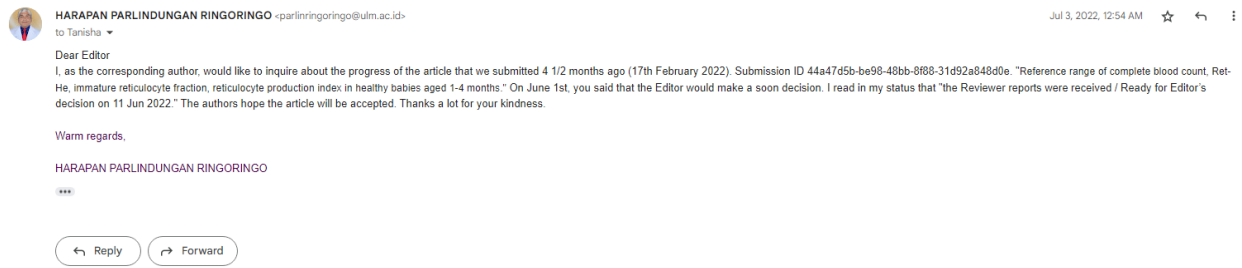
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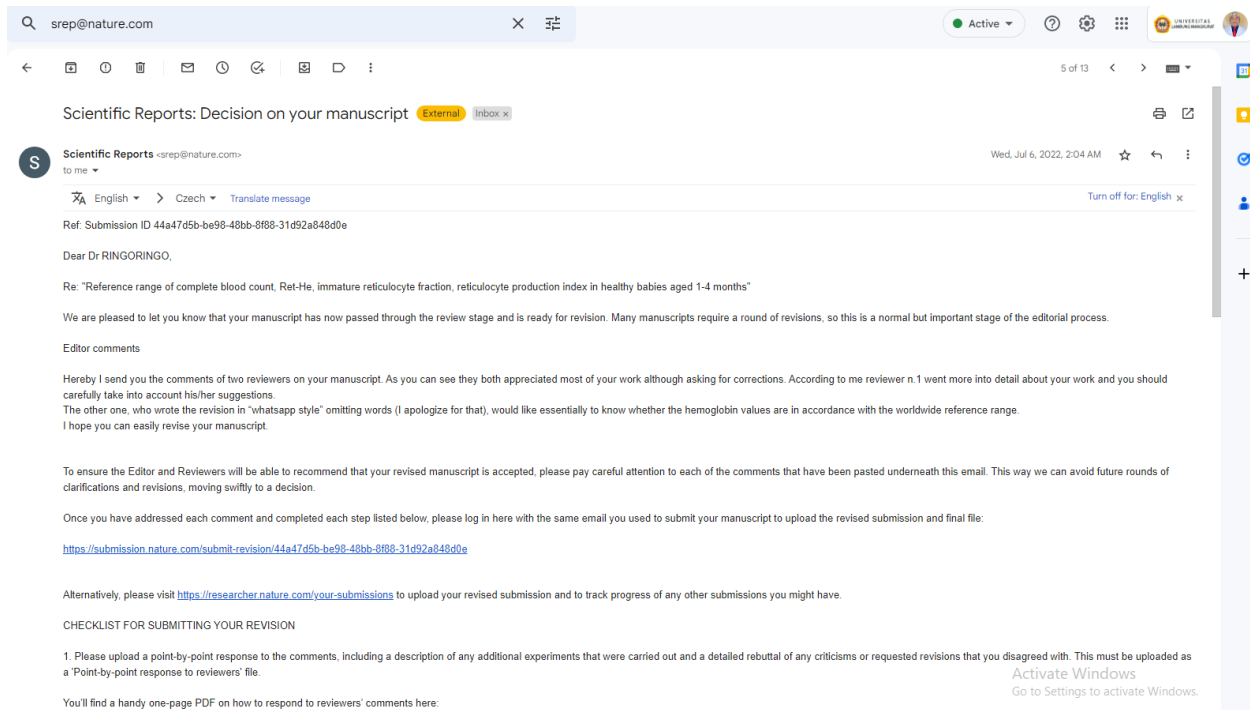
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Scientific Reports: Decision on your manuscript: TO MAKE REVISION 6 JULI 2022



REVISI YANG DIMINTA UNTUK ARTIKEL YANG DI SUBMIT : TANGGAL 6 JULI 2022

The screenshot shows an email from srep@nature.com with the following content:

Reviewer Comments:

Reviewer 1
The aim study is to establish a reference range for CBC and reticulocyte parameters in healthy babies aged 1-4 months. In general, the work is interesting and very useful for clinical and laboratory application. I make just a few suggestions for the authors:
The authors evaluated the complete blood count, reticulocyte count, Ret_He, IRF, and RPI results for healthy for babies aged 1-4 months, boy-babies aged 1-4 months, girl-babies aged 1-4 months, babies aged 1 month, babies aged 2 months, babies aged 3 months, babies aged 4 months.

1) It is not necessary to present the results for P2.5-P97.5, P13-P97, P5-P95 and Mean±2SD. Authors should follow ICSS and CLSI C28-A3 document for determining reference ranges.
"The reference interval is defined here as the interval between and including two numbers, an upper and lower reference limit, which are estimated to enclose a specified percentage (usually 95%) of the values for a population from which the reference subjects have been drawn. For most analytes, the lower and upper reference limits are assumed to demarcate the estimated 2.5th and 97.5th percentiles of the underlying distribution of values, respectively. In some cases, only one reference limit is of medical importance, usually an upper limit, say the 97.5th percentile."
Present results for the 2.5th and 97.5th percentiles only. Assess whether there is a statistical difference between males and females and between 1, 2, 3 and 4 months, otherwise it is not necessary to stratify for all these age groups and gender.
See this references:
Sobberg PE. The IFCC recommendation on estimation of reference intervals. The Ref/Al Program. Clin Chem Lab Med 2004; 42(7): 710-714.
Henry J. The IFCC recommendations for determining reference intervals: strengths and limitations. J Lab Med 2009;33(2): 45-51.
Clinical and Laboratory Standards Institute. Defining, establishing and verifying reference intervals in the clinical laboratory, approved guideline, 3rd ed. CLSI document C28-A3. Wayne, PA: Clinical and Laboratory Standards Institute, 2008;28(30) pp 61.

2) Study strengths and weaknesses should be described in the discussion and not in the conclusion of the study.
The sentence: It must be withdrawn from the conclusion. The weakness of this study is that the altitude above sea level, race, genetics, ethnicity, the population of this study is different from other areas.

3) The units of hematological parameters must follow the recommendations of the International System of Units (ISU).

4) Tables must have legends with the description of all acronyms cited.

Reviewer 2
Dear Authors

The authors have taken a very important topic of Iron deficiency in infants. However, the manuscript needs some modifications

1. What are the current reference ranges being practiced at or centre in worldwide. R these hemoglobin values in accordance with these ranges.
2. R the newer parameters helpful in early diagnosis of iron deficiency
3. R they better than Hb and can be used alone or in conjunction with Hb
4. References needs to be homogenized. In many References et al is comin after one authors, some References are in capitals
5. What is the study design
6. Discussion needs to be reframed

Revision Quality Check: "Reference range of complete blood count, Ret-He, immature reticulocyte fraction, reticulocyte production index in healthy babies aged 1-4 months" : 20 JULI 2022

The screenshot shows an email from Shilpa Shinde (srep@nature.com) dated Jul 20, 2022, 2:54 PM. The subject is "Revision Quality Check: 'Reference range of complete blood count, Ret-He, immature reticulocyte fraction, reticulocyte production index in healthy babies aged 1-4 months'".

Dear Prof. Harapan,

Thank you for submitting your revision to Scientific Reports. However, in order to further process your paper, we will require the following to be included:

1. Please ensure the abstract in your manuscript file exactly matches the abstract on our system.
2. We see that you have included a statement in the Methods indicating the study was approved by an appropriate institution. In addition to this, please can you confirm that all methods were performed in accordance with the relevant guidelines and regulations by including a statement in the methods section to this effect? For further information please see our guidelines using the following link: <https://www.nature.com/srep/journal-policies/editorial-policies#experimental-subjects>

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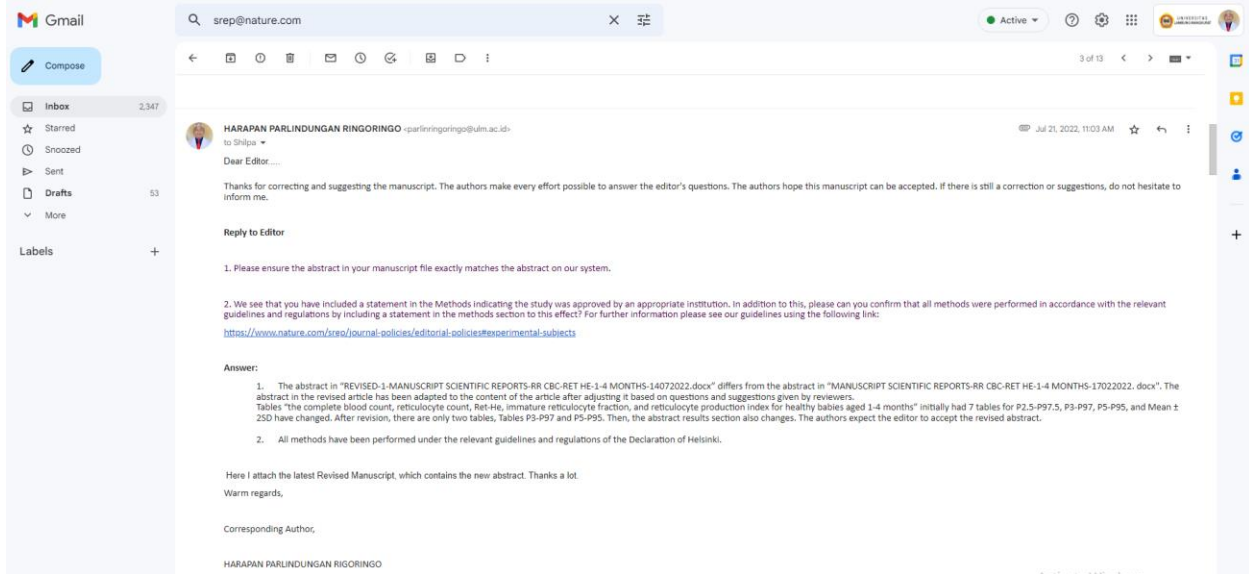
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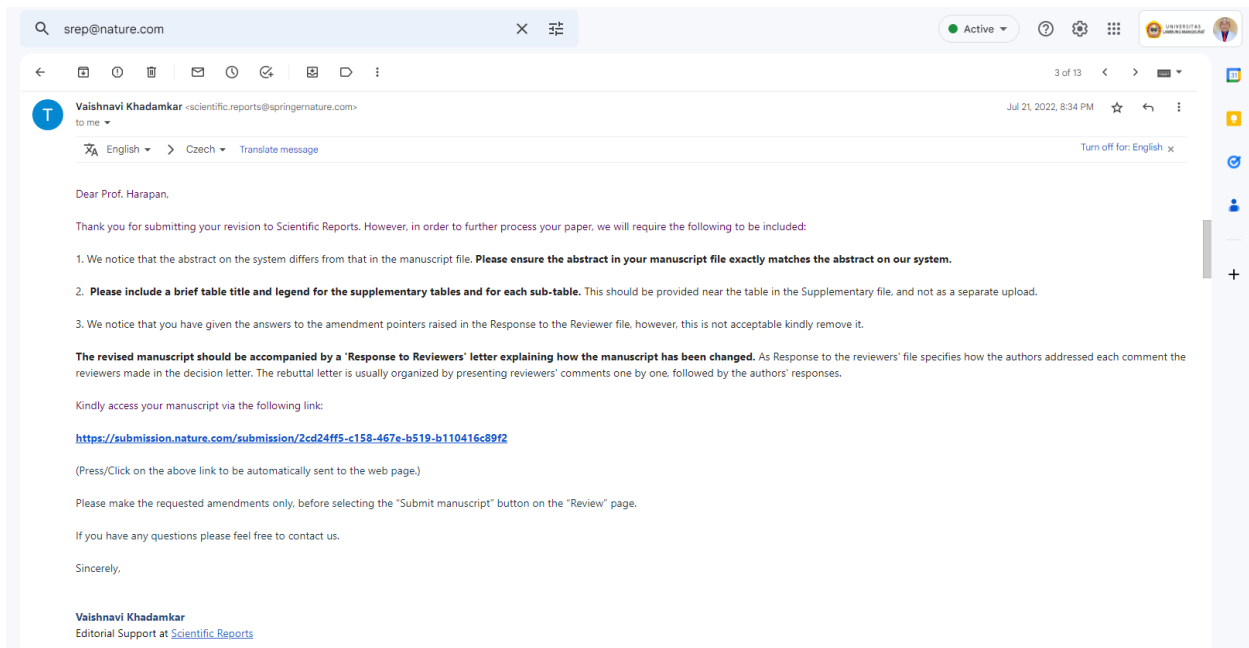
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Shilpa Shinde
Editorial Support at Scientific Reports

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PERTANYAAN PENULIS TERHADAP EDITOR: TANGGAL 22 JULI 2022

Browser interface showing an email from HARAPAN PARLINDUNGAN RINGORINGO to Vaishnavi Khadamkar. The email content includes:

Thanks for the suggestions. To answer Editor's question No.1.1 "We notice that the abstract on the system differs from that in the manuscript file. Please ensure the abstract in your manuscript file exactly matches the abstract on our system." The author has changed the abstract in the initial manuscript. The abstract in the revised article has been adapted to the content of the article after adjusting it based on questions and suggestions given by reviewers. When the author uploads the revised article, the author cannot edit the initial abstract with the revised abstract. Therefore, the author is always unsuccessful in editing the initial abstract. Thus, always show the initial abstract. **Can you help the author to edit it?** Here we Attached the initial abstract (February 17, 2022) and the revised abstract according to Revised-2-manuscript (July 14, 2022).

The initial abstract (February 17, 2022)

Background: Establishing reference ranges of the complete blood count (CBC), reticulocyte hemoglobin content (Ret-He), immature reticulocyte fraction (IRF), and reticulocyte production index (RPI) helps diagnose a disease pertaining to the changes in erythrocyte indices, white blood count, platelets, and reticulocytes, especially in babies. Therefore, the aim study is to establish a reference range for CBC and reticulocyte parameters in healthy babies aged 1-4 months.

Material and Methods: The study method is a prospective analysis of CBC and reticulocyte parameters in healthy babies aged 1-4 months.

Results: Three hundred forty-eight babies met the inclusion criteria. This study recruited 89 babies aged one month, 87 babies aged two months, 86 babies aged three months, and 86 babies aged four months. The reference range of healthy babies aged 1-4 months for hemoglobin (Hb) at P2.5-P97.5, P3-P97, P5-P95 and mean $\pm 2SD$ were 9.47 to 14.80 g/dL, 9.60 to 14.70 g/dL, 9.90 to 14.10 g/dL, 9.10 to 14.14 g/dL, respectively. In this study also defined are reference ranges for CBC, Ret-He, IRF, and RPI.

Conclusion: The reference range of CBC, Ret-He, IRF, and RPI for healthy babies aged 1-4 months in this study can be used as a benchmark.

Keywords: reference range, complete blood count, Ret-He, IRF, RPI, babies, 1-4 months

The revised abstract according to Revised-2-manuscript (July 14, 2022).

Background: Establishing reference ranges of the complete blood count (CBC), reticulocyte hemoglobin content (Ret-He), immature reticulocyte fraction (IRF), and reticulocyte production index (RPI) helps diagnose a disease pertaining to the changes in erythrocyte indices, white blood count, platelets, and reticulocytes, especially in babies. Therefore, the aim study is to establish a reference range for CBC and reticulocyte parameters in healthy babies aged 1-4 months.

Material and Methods: The study design was a cross-sectional study with descriptive analysis of CBC and reticulocyte in babies aged 1-4 months.

Results: Three hundred forty-eight babies met the inclusion criteria. This study recruited 89 babies aged one month, 87 babies aged two months, 86 babies aged three months, and 86 babies aged four months. The P5-P95 reference range of healthy babies for hemoglobin (Hb) at aged 1 month, 2 months, 3 months, and 4 months were 9.95 to 15.45 g/dL, 9.74 to 13.42 g/dL, 9.51 to 12.40 g/dL, and 10.04 to 13.10 g/dL, respectively. The P3-P97 reference range of healthy babies for Hb at aged 1 month, 2 months, 3 months, and 4 months were 9.60 to 15.90 g/dL, 9.46 to 13.97 g/dL, 9.26 to 12.82 g/dL, and 10.00 to 13.33 g/dL, respectively. In this study also defined are reference ranges for CBC, Ret-He, IRF, and RPI.

Conclusion: The reference range of CBC, Ret-He, IRF, and RPI for healthy babies aged 1-4 months in this study can be used as a benchmark.

Keywords: reference range, complete blood count, Ret-He, IRF, RPI, babies, 1-4 months

Warm regards
Corresponding Author,

PERMINTAAN EDITOR UNTUK MEREVISI KEMBALI ARTIKEL: 22 JULI 2022

Browser interface showing an email from Vaishnavi Khadamkar to Prof. Harapan. The email content includes:

Dear Prof. Harapan,

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- Please include a brief title for each supplementary table which should be clearly labeled. The table legends should be mentioned within each presentation (ppt).**
- Please upload the tables under the 'Table' section only and supplementary tables in the 'Supplementary material' section only. **We notice that you have uploaded 'Revised Table 1 and 2' in supplemental data, kindly remove it and upload it separately in the 'Table' section only.**

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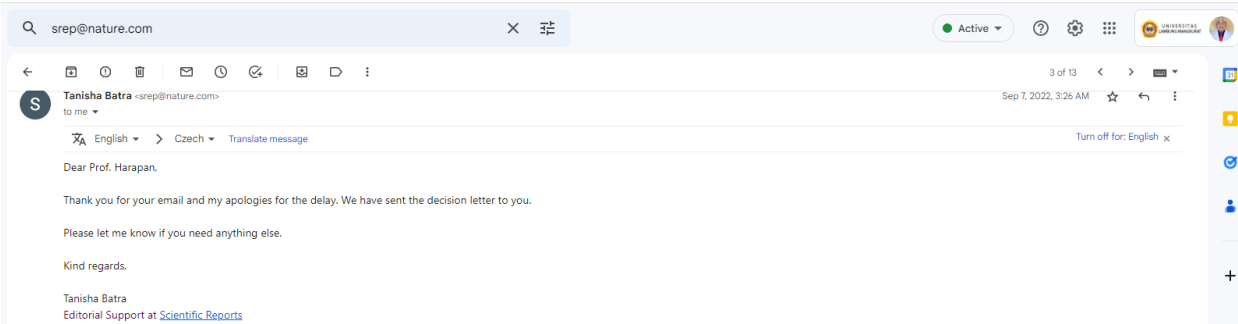
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Sincerely,
Vaishnavi Khadamkar
Editorial Support at Scientific Reports

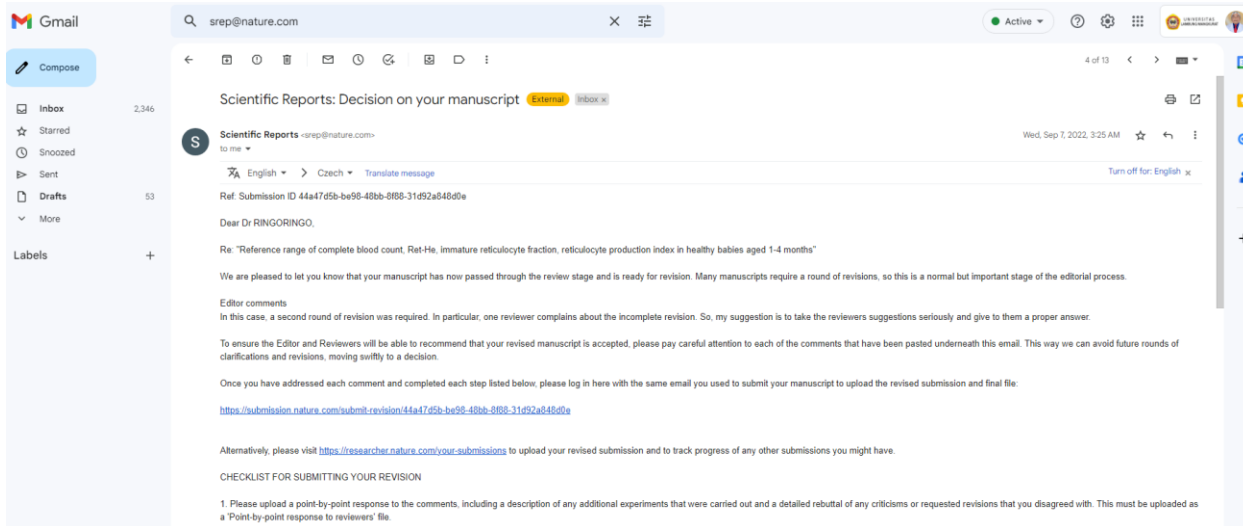
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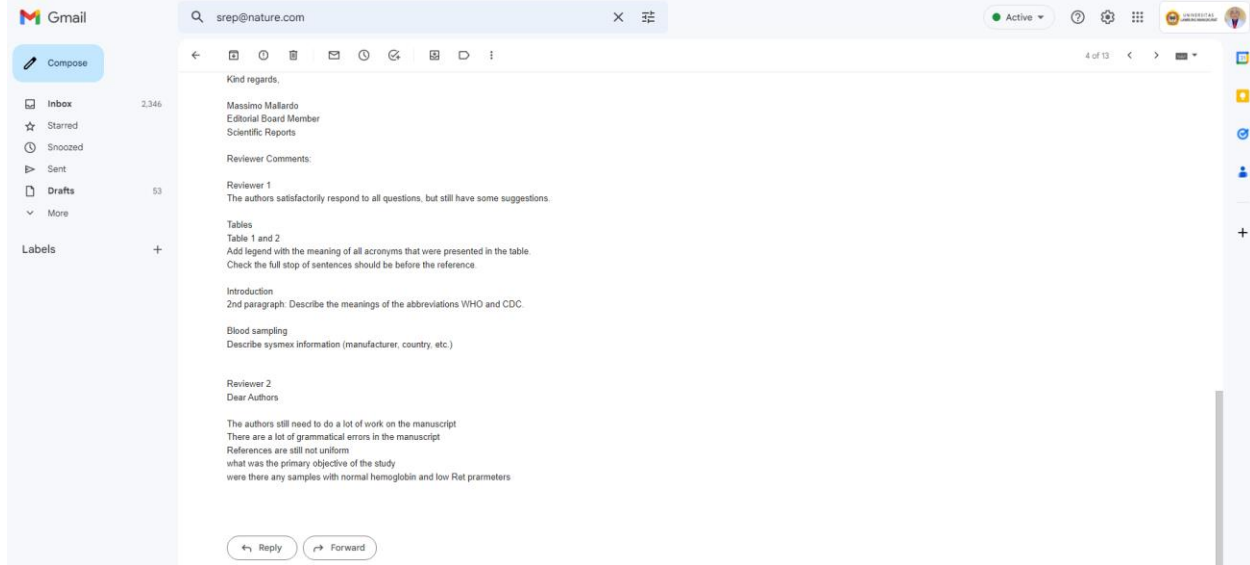
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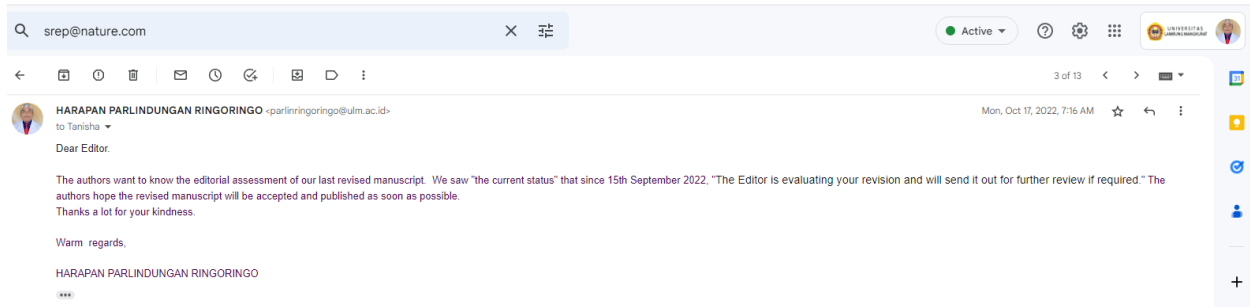
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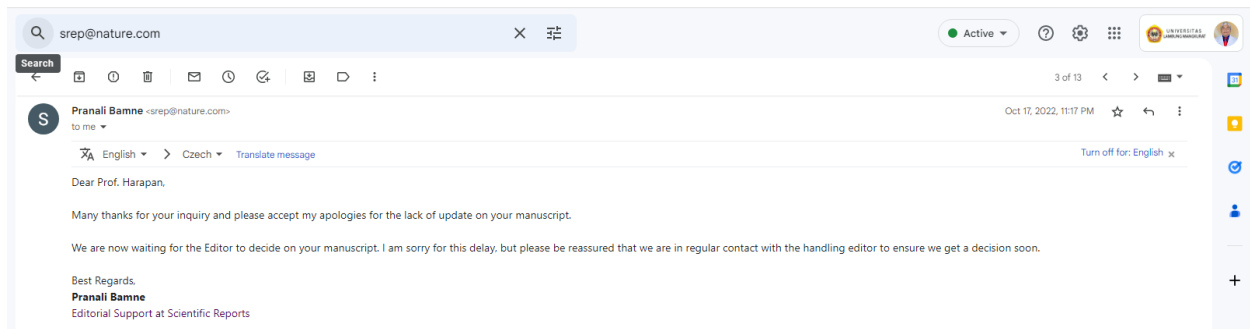
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EDITOR MENJAWAB TENTANG PROGRES ARTIKEL YANG DI SUBMIT : TANGGAL 17 OKTOBER 2022



PERMINTAAN EDITOR UNTUK MEREVISI ULANG ARTIKEL: 5 DESEMBER 2022

DAFTAR PERMINTAAN PEER REVIEW YANG HARUS DIPERBAIKI PENULIS

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Ref: Submission ID 44a47d5b-be98-48bb-8f88-31d92a848d0e

Dear Dr RINGORINGO,

Re: "Reference range of complete blood count, Ret-He, immature reticulocyte fraction, reticulocyte production index in healthy babies aged 1-4 months"

We are pleased to let you know that your manuscript has now passed through the review stage and is ready for revision. Many manuscripts require a round of revisions, so this is a normal but important stage of the editorial process.

Editor comments

Editor's comments:
Thank you for submitting a revised version of your manuscript and addressing the previous reviewers' comments. Please carry out the correction below:

1. A structured abstract is not permitted, please remove the subheadings.
2. A conclusions heading is not permitted, please remove this from the discussion.
3. Please declare any funding for the research in the Acknowledgments section. A separate funding statement is not permitted.
4. Please reformat the author contributions so the specific contributions are associated directly with each authors' initials, please do not use a key.
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srep@nature.com Active 2 of 13

HARAPAN PARLINDUNGAN RINGORINGO <parlinringoringo@ulm.ac.id> to Scientific Jan 3, 2023, 9:37 AM ☆ ↶ ⋮

Dear Editor

We want to ask for a follow-up of our last revised manuscript. We hope the manuscript will be accepted. Thanks a lot.

Warm regards,

HARAPAN PARLINDUNGAN RINGORINGO

EDITOR MENJAWAB TENTANG PROGRES ARTIKEL YANG DI SUBMIT : TANGGAL 3 JANUARI 2023

Harapan Parлиндungan Ringoringo

Pranali Bamne
to me

Jan 3, 2023, 1:50 PM

Dear Dr RINGORINGO,

Thank you very much for your email and please accept my most sincere apologies for the lack of updates on your paper. I have just taken a look at the status of your manuscript and I am pleased to tell you that it has successfully passed our Quality Check process. Your revised manuscript has now been sent back to the handling Editor for further consideration. Please be reassured that we are always in regular contact with the Editorial Board Member to ensure that your manuscript moves through the publishing process as swiftly as possible. Your patience while we do this will be greatly appreciated.

Best Regards,
Pranali Bamne
Editorial Support at Scientific Reports

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to me

Wed, Jan 4, 2:17 PM

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Dear Dr RINGORINGO,

Re: "Reference range of complete blood count, Ret-He, immature reticulocyte fraction, reticulocyte production index in healthy babies aged 1-4 months"

We're delighted to let you know your manuscript has now been accepted for publication in Scientific Reports.

Editor comments
Thank you for addressing the remaining revisions.

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DOI : 10.1038/s41598-023-27579-3
44a47d5b-be98-48bb-8f88-31d92a848d0e

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