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## Manuscript submitted to Computational Intelligence and Neuroscience

1 message

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**Computational Intelligence and Neuroscience** <[nevin.amin@hindawi.com](mailto:nevin.amin@hindawi.com)>  
To: [hanafi@amikom.ac.id](mailto:hanafi@amikom.ac.id)

Sat, Aug 21, 2021 at 7:48 PM

Dear Dr. hanafi,

Congratulations, the manuscript titled "Word Sequential using Deep LSTM and Matrix Factorization to Handle Rating Sparse Data for E-commerce Recommender System" has been successfully submitted to Computational Intelligence and Neuroscience.

We will confirm this submission with all authors of the manuscript, but you will be the primary recipient of communications from the journal. As submitting author, you will be responsible for responding to editorial queries and making updates to the manuscript.

In order to view the status of the manuscript, please visit the manuscript details page.

Thank you for submitting your work to Computational Intelligence and Neuroscience.

[MANUSCRIPT DETAILS](#)

Kind regards,  
Nevin Amin  
Computational Intelligence and Neuroscience

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## Word Sequential using Deep LSTM and Matrix Factorization to Handle Rating Sparse Data for E-commerce Recommender System: Manuscript returned to draft

1 message

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**Mona Wenceslao** <mona.wenceslao@hindawi.com>  
To: hanafi@amikom.ac.id  
Cc: nevin.amin@hindawi.com

Mon, Aug 23, 2021 at 3:40 PM

Dear Dr. muh hanafi,

We have reviewed your manuscript "Word Sequential using Deep LSTM and Matrix Factorization to Handle Rating Sparse Data for E-commerce Recommender System" with ID No. 8751173 and found the following issues which need to be solved before moving on:

- **Relevance Check**
  - (1) Please remove all the text corrections on your manuscript and kindly update your manuscript file. (2) Please include the reference link for the data used in the manuscript and kindly update your data availability statement in the system and in the manuscript file accordingly. (3) Upon checking your manuscript file I noticed that the journal title "Computational Intelligent and Neuroscience" in the header of the manuscript is incorrect. Kindly revise the journal title as "Computational Intelligence and Neuroscience" and update your records in the manuscript file.
- **Authors & Affiliations**
  - (1) The author lists on the system and the manuscript file are different. Please confirm the correct author list along with the authors' email addresses and affiliations and update your records on the system and in the manuscript file. (2) The name format on the System and Manuscript file is different. System: muh hanafi Manuscript File: Hanafi Please update the manuscript file and the system with the correct and final author's name format. (3) Upon checking your manuscript I notice that the authors' affiliations (universitas amikom yogyakarta and Fakulti Teknologi Maklumat and Komunikasi Universiti Teknologi Malaysia Malaka) are not in English format. Please translate the mentioned authors' affiliations into English format and kindly update your records in the system and in the manuscript file.

### Additional Comments:

*This paper has been returned to draft for the reasons listed above. Please could you log into your account and address these points as soon as possible? The changes should be made on this submission 8751173, please do not submit a new manuscript.*

Please log into your account to make the required updates. Follow the steps outlined below, and we kindly ask that you do not submit a brand new manuscript.

1. Click on the manuscript tile for Word Sequential using Deep LSTM and Matrix Factorization to Handle Rating Sparse Data for E-commerce Recommender System, which will show the status "Complete submission".
2. You will see all 4 submission steps. All the information will be pre-filled as you submitted the manuscript, so you will not need to complete the entire submission again. Click

- through the steps until you reach the area that needs updating.
3. If the manuscript file needs updating then go to step 4, and click the small bin icon next to the manuscript file. This will delete the file. You can then upload the new updated file.
  4. When all necessary changes have been made, click the green "Submit manuscript" button at the bottom of step 4, and this will return the manuscript to the Hindawi team.

Kind regards,  
Mona Wenceslao

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## Manuscript submitted to Computational Intelligence and Neuroscience

1 message

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**Computational Intelligence and Neuroscience** <[nevin.amin@hindawi.com](mailto:nevin.amin@hindawi.com)>  
To: [hanafi@amikom.ac.id](mailto:hanafi@amikom.ac.id)

Mon, Aug 23, 2021 at 9:10 PM

Dear Dr. hanafi,

Congratulations, the manuscript titled "Word Sequential using Deep LSTM and Matrix Factorization to Handle Rating Sparse Data for E-commerce Recommender System" has been successfully submitted to Computational Intelligence and Neuroscience.

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Thank you for submitting your work to Computational Intelligence and Neuroscience.

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Kind regards,  
Nevin Amin  
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**Funding statement:** This work was supported by an internal grants of Universitas Amikom Yogyakarta.

> Files 1

### — Editorial Comments

#### Decision

Amparo Alonso-Betanzos 14.10.2021

Major Revision Requested

#### Message for Author

After careful reviewing, our suggestion is a Major revision with careful reorganizing and rewriting. The manuscript has novel contributions and original work, but better explanations are needed. Reviewer 3 gives clear indications of the improvements that can help to enhance your contribution.

### — Reviewer Reports

2 submitted

#### Report

Reviewer 2 02.10.2021

The authors proposed a latent factor model using LSTM, word embedding, and PMF considering word sequential to interpret document understanding to capture the contextual insight of the product review documents. The model is novel and experiments are sound. I vote for an acceptance.

#### Report

Reviewer 3 14.10.2021

Summary: This work introduces a novel method to leverage textual reviews to increase the accuracy of recommender systems. Although, as acknowledged by the authors, that is not a novel idea, they introduce a model that uses LSTM to increase the use of contextual information with respect to similar methods, yielding superior results.

Overall the idea seems solid and the experiments validate the claims made, but the presentation is rather poor and it is my recommendation for manuscript not to be accepted without major changes.

Major issues:

- Presentation should be vastly improved. There are a significant number of typos, the use of grammar is poor and the overall organization of the paper should be improved.

As a result, the manuscript is very hard to follow.

**Conflict of interest:** Not declared

**Data availability statement:** We applied the most popular datasets specifically for recommender system research. The datasets including MovieLens ML.1M (<https://grouplens.org/datasets/movielens/1m/>), ML.10M (<https://grouplens.org/datasets/movielens/10m/>) are available for the public no need permitted to access. AIV is belonging to Amazon, and also available for public access ([https://cseweb.ucsd.edu/~jmcauley/datasets.html#amazon\\_reviews](https://cseweb.ucsd.edu/~jmcauley/datasets.html#amazon_reviews)).

**Funding statement:** This work was supported by an internal grants of Universitas Amikom Yogyakarta.

> Files 2

### — Editorial Comments

Decision

Amparo Alonso-Betanzos 10.11.2021

Publish

### — Response to Revision Request

Your Reply

Hanafi Hanafi 27.10.2021

Dear Reviewer, I would to thank you for your valuable suggestion to our research, We tried to refine our manuscript according to your suggestion in our best effort include grammar and English structure in our document, we refined all figures that were too small character and we try to change table format and description. The Amazon and Movielens datasets should be integrated because they have different characteristics where Movielens datasets are not included in a product review, while Amazon is a kind of dataset that includes movie reviews document. Best Regards, Hanafi

File

LSTM-PMF-HINDAWI\_V5\_clean.docx 3 MB



### — Reviewer Reports

1 submitted

Report

Reviewer 3 08.11.2021

My comments have been addressed and the manuscript is ready for publication, in my opinion.