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From: "HyungJune Lee" hyungjune.lee@ewha.ac.kr
Subject: Decision on submission to ICT Express

Manuscript Number: ICTE_2020_302R1

An experimental study of RyO Kit for Covid 19 information sharing in rural islands of Indonesia

Dear Mr Syamsuddin,

Thank you for submitting your manuscript to ICT Express.

I am pleased to inform you that your manuscript has been accepted for publication.

My comments, and any reviewer comments, are below. Please reflect the last comments from one reviewer (Reviewer #3) for preparing for a final version.

Your accepted manuscript will now be transferred to our production department. We will create a proof which you will be asked to check, and you will also be asked to complete a number of online forms required for publication. If we need additional information from you during the production process, we will contact you directly.

We appreciate you submitting your manuscript to ICT Express and hope you will consider us again for future submissions.

Kind regards,
HyungJune Lee
Editor

ICT Express

Editor and Reviewer comments:

Editor: According to the reviewers' comments at the 2nd round, the paper can be recommended for publication.

Reviewer #2: Authored nicely responded my queries.

Reviewer #3: Authors have incorporated few of the suggestions made. All these are marginal and no significant affect on the manuscript. I am still unclear on 3.6, 3.7, 8 and 9.

More information and support

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Author's Response To Reviewer Comments

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Reviewer #2: Manuscript Number: ICTE_2020_302

2.1 . It will be good to write Covid-19 (not Covid 19) throughout the manuscript.

Answer : Done with thanks

2.2. Clearly write the motivation, novelty, and contributions in the Introduction section.

Answer : We have improved the paper by presenting our motivation, novelty and contributions of our work in the first section (5th paragraph of introduction section ... located in page 2.

2.3. Add detailed related work section. Discuss the motivation and limitations of previous works. Highlight the research gap. Read and cite - Intelligent Systems and Methods to Combat Covid-19. SpringerBriefs in Computational Intelligence. eBook ISBN, 978-981, Revisited COVID-19 Mortality and Recovery Rates: Are we Missing Recovery Time Period?. Journal of Medical Systems, 44(12), 1-5, Artificial intelligence for coronavirus outbreak.(Book,2020) etc.

Answer : We also have revised the structure of our paper by adding related studies as the 2nd section, where the suggested references by reviewers above are presented and well described (page 2-3).

2.4. Add a process flow diagram

Answer : In this revision, in section 3 (Methodology) we replaced previous standard diagram with a new flow diagram (Fig. 3) which is more details and informative showing the steps of research methodology. In addition, description of each steps are well presented (page 3-4)

2.5. Add a detailed discussion section. Write challenges and also discuss and compare with existing systems. Discuss the robustness of the proposed model.

Answer : In section 4 (Analysis and Discussion) we have compared RyO Kit and Radio broadcasting (currently being used in the rural islands) and discuss the advantages of our proposal. The same way of comparison between developing RyO Kit and developing telecom tower also discussed in details here.

2.6. Add limitations in the conclusion section.

Answer : The limitations of our study has been mentioned in the conclusion section.

2.7. It maybe good to write policymakers in place of govt.

Answer : In this revision, we decide to keep using government.

2.8. visual representations need to be improved.

Answer : We have improved our visual representations.

2.9. Reference section is very weak. Add more recent works.

Answer : We have put more recent and related literatures, so now there are 25 references.

The entire manuscript is written in a very sloppy way. Rework on draft, presentation and English!

Answer : Done and thanks

Reviewer #3: Manuscript Number: ICTE_2020_302

An experimental study of RyO Kit for Covid 19 information sharing in rural islands of Indonesia

3.1. The aim of this work was to offer low cost and simple solution for government in delivering Covid-19 information in rural islands where there is inadequate telecommunications infrastructure. The technical solution is based on Raspberry Pi technology called RyO (Raspberry Outernet) Kit. The authors examined in four parameters namely signal strength, signal quality, bit rate and quota.

Answer : We have added in section 2 (Related Studies) that currently only Radio broadcasting from government official channel available for rural islands. And therefore an alternative solution is required. In order to ensure RyO Kit quality, we examined four parameters as discussed in details in section 4. Analysis and Discussion.

3.2. It is observed that in some sections, the description was elaborate, while for few others the description of the important points was inadequate and/or completely missing. Details are mentioned in below points.

It is important that technical details are missing, related to the architecture and methodology, except mention of component names.

Answer : We have put more technical details of the RyO Kit systems and explain their functions based on the flow diagram.

3.4. Article is missing details about innovation in this architecture with respect to existing or alternatives.

Answer : In section 2 (Related Studies) we have mentioned the innovative aspect of RyO Kit in terms of its cost of production, and time required to develop as well as its simplicity in operation compare to existing internet alternative solution such as Google Baloon and Natsukuku and current radio broadcasting used in the remote islands.

3.5. Presume that authors are proposing an alternate model. In that case, Section 2 - methodology, 5th paragraph, and line 1 - RyO Kit is very feasible as an alternative technology to solve health information sharing issues ... - What are the existing modes of communication used and how they are unsuitable?

Answer : We have restructured the paper to add Section 2 Related Studies, Section 3. Methodology. The answer of this is mentioned in section 4. Analysis and Discussion, here we compare RyO Kit and Radio broadcasting which currently being used in the rural islands and discuss why Radio lacks behind RyO Kit in this case.

3.6. Pp. 6, column 2 - line 2, authors state the proposed model is low cost - how authors can claim that it is of low cost, further there is no such comparison with the existing methods.

Answer : We also mentioned this in section 4. Analysis and Discussion, after showing advantages of RyO Kit over Radio broadcasting which currently being used in the rural islands and discuss why Radio lacks behind RyO Kit in this case , we also compare between RyO Kit and telecom tower in terms of cost of development in which building RyO Kit is significantly affordable than building telecom tower by citing reference Ref no [21] Hybrid Energy for Telecom Towers by Saviva Research, 2013.

3.7. Pp. 7, column 1 - paragraph 2, authors mentioned that positive results obtained - there is no such evidence on how these results are achieved?

Answer : We have removed the sentences in conclusion. And we replaced it "Based on the experimental results, it is concluded that RyO Kit is feasible as an alternative technology"

8. Finally, I doubt on its scientific rigor.

Answer : Done, thanks

9. As I have come across with several questions, my confidence was bit low to comment on analysis part.

Answer : We have improve the analysis and discussion (section 4).

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