

# Editor/Author Correspondence

Editor Subject: [IJECE] Editor Decision

[DELETE](#)

2018-  
05-27  
11:19  
PM

The following message is being delivered on behalf of International Journal of Electrical and Computer Engineering (IJECE).

Dear Muhammad Niswar:

We have reached a decision regarding your submission to International Journal of Electrical and Computer Engineering (IJECE), "A Low Cost Wearable Medical Device for Vital Signs Monitoring in Low-Resource Settings".

Our decision is: Revisions Required

Please prepare your revised paper within 6 weeks. Read the checklist for preparing your revised paper for publication at:

<http://www.iaescore.com/journals/index.php/IJECE/about/editorialPolicies#custom-3>.

Please try to follow the format as closely as possible.

In preparing your revised paper, you should pay attention to:

1. Please ensure that: all references have been cited in your text; Each citation should be written in the order of appearance in the text; The references must be presented in numbering and CITATION ORDER is SEQUENTIAL [1], [2], [3], [4], .....

The references must be integrated also with not less than three (3) papers published on IAES. You can find the issued at:

- <http://journal.uad.ac.id/index.php/telkomnika>
- <http://journal.portalgaruda.org/index.php/eii>
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2 An Introduction should contain the following three (3) parts:

- Background: Authors have to make clear what the context is. Ideally, authors should give an idea of the state-of-the art of the field the report is about.

- The Problem: If there was no problem, there would be no reason for writing a manuscript, and definitely no reason for reading it. So, please tell readers why they should proceed reading. Experience shows that for this part a few lines are often sufficient.

- The Proposed Solution: Now and only now! - authors may outline the contribution of the manuscript. Here authors have to make sure readers point out what are the novel aspects of authors work. Authors should place the paper in proper context by citing relevant papers. At least, 5 references (recently journal articles) are used in this section.

3. Results and discussion section: The presentation of results should be simple and straightforward in style. You should improve your analyzing and also present the comparison between performance of your approach and other researches. Results given in figures should not be repeated in tables. This section report the most important findings, including results of statistical analyses as appropriate. It is very important to prove that your manuscript has a significant value and not trivial.

Please submit your revised paper in MS Word file format (ZIP of your LATEX source files if you presented your paper in LATEX) and submit it through our online system at same ID number (NOT as new submission) or simple, by reply this email.

I look forward for hearing from you

Thank you

Best Regards,  
T. Sutikno  
Managing Editor, IJECE  
[ijece@iaesjournal.com](mailto:ijece@iaesjournal.com)

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Update your metadata in our online system when you submit your revised paper through our online system:


- Authors name are presented without salutation
- Authors Name are presented Title Case (ex: Michael Lankan, NOT --> michael lankan, NOT --> MICHAEL LANKAN). Add all authors of your paper as per your revised paper
- Title of revised paper (ex: Application of Space Vector .... , NOT --> APPLICATION OF SPACE VECTOR ....)
- Content of updated abstract

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## #11180 Review

SUMMARY **REVIEW** EDITING

### Submission

Authors Muhammad Niswar, Muhammad Nur, Idar Mappangara 

Title A Low Cost Wearable Medical Device for Vital Signs Monitoring in Low-Resource Settings  
Circuits and Electronics



Editor Farrokh Attarzadeh, Ph.D.  (Review)  
Faycal Djeflal  (Review)  
Zheng Xu  (Review)

### Peer Review

#### Round 1

Review Version [11180-15312-1-RV.DOCX](#) 2018-01-25  
Initiated 2018-05-22  
Last modified 2018-05-22  
Uploaded file None

### Editor Decision

Decision Accept Submission 2019-07-15  
Notify Editor  Editor/Author Email Record  2018-05-27  
Editor Version None  
Author Version [11180-24455-1-ED.DOCX](#) 2018-08-24 [DELETE](#)  
[11180-24455-2-ED.DOCX](#) 2019-01-08 [DELETE](#)  
[11180-24455-3-ED.DOCX](#) 2019-01-15 [DELETE](#)

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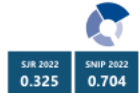
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#### INFORMATION

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# #11180 Summary

SUMMARY REVIEW EDITING

## Submission

Authors	Muhammad Niswar, Muhammad Nur, Idar Mappangara
Title	A Low Cost Wearable Medical Device for Vital Signs Monitoring in Low-Resource Settings
Original file	<a href="#">11180-15311-1-SM.DOCX</a> 2018-01-25
Supp. files	None
Submitter	Muhammad Niswar
Date submitted	January 25, 2018 - 09:48 AM
Section	Circuits and Electronics
Editor	Farrokh Attarzadeh, Ph.D.  (Review) Faycal Djeflal  (Review) Zheng Xu  (Review)
Abstract Views	263

## Status

Status	Published	Vol 9, No 4: August 2019
Initiated	2019-07-15	
Last modified	2020-06-27	

## Submission Metadata

### Authors

Name	Muhammad Niswar
Affiliation	Hasanuddin University
Country	Indonesia
Bio Statement	—
Principal contact for editorial correspondence.	
Name	Muhammad Nur
Affiliation	Universitas Hasanuddin
Country	Indonesia
Bio Statement	—
Name	Idar Mappangara
Affiliation	Universitas Hasanuddin
Country	Indonesia
Bio Statement	—

### Title and Abstract

Title	A Low Cost Wearable Medical Device for Vital Signs Monitoring in Low-Resource Settings
Abstract	Medical devices are often expensive, so people in low-income countries cannot afford them. This paper presents the design of a low-cost wearable medical device to measure vital signs of a patient including heart rate, blood oxygen saturation level (SpO2) and respiratory rate. The wearable medical device mainly consists of a microcontroller and two biomedical sensors including airflow thermal sensor to measure respiratory rate and pulse oximeter sensor to measure SpO2 and heart rate. We can monitor the vital signs from a smartphone using a web browser through IEEE802.11 wireless connectivity to the wearable medical device. Furthermore, the wearable medical device requires simple management to operate; hence, it can be easily used. Performance evaluation results show that the designed wearable medical device works as good as a standard SpO2 device and it can measure the respiratory rate properly. The designed wearable medical device is inexpensive and appropriate for low-resource settings. Moreover, as its components are commonly available in the market, it easy to assembly and repair locally.

### Indexing

Academic discipline and sub-disciplines	Electronics; Computer and Informatics
Keywords	Wearable Medical Device; Vital Signs; Biomedical Sensors; Micro-controller; IEEE802.11; Low-Resource Settings
Language	en

### Supporting Agencies

Agencies	—
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### OpenAIRE Specific Metadata

ProjectID	—
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