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## #492 Review

SUMMARY REVIEW EDITING

### Submission

Authors Adi Wibowo, Cahyo Adhi Hartanto, Panji Wisnu Wirawan   
 Title Android skin cancer detection and classification based on MobileNet v2 model  
 Section Articles  
 Editor Andri Pranolo 

### Peer Review

#### Round 1

Review Version 492-1473-1-RV.DOC 2020-04-09  
 Initiated 2020-04-25  
 Last modified 2020-06-08  
 Uploaded file None

### Editor Decision

Decision Accept Submission 2020-06-18  
 Notify Editor  Editor/Author Email Record  2020-06-18

Editor Version None  
 Author Version 492-1529-1-ED.ZIP 2020-06-18 DELETE

Upload Author Version  No file chosen



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#### QUICK MENU

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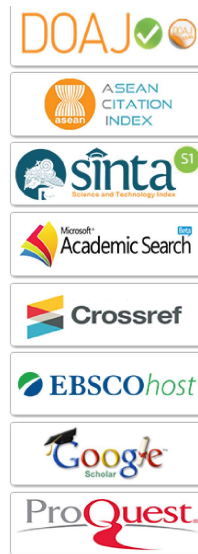
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 GRAMMARLY

#### CURRENT INDEXING



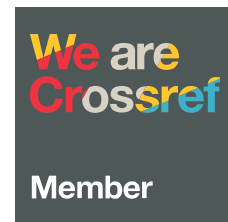


More Abstracting & Indexing...

REQUEST INDEXING

- ▶ **SCOPUS (ACCEPTED)**
  - ▶ Submission Received: **July 26, 2017**
  - ▶ Submission Accepted: **June 5, 2018**
  - ▶ **SCOPUS CiteScore Tracker 2020**
- ▶ **Web of Science**
  - ▶ Latest submission: June 11, 2018
  - ▶ **Web of Science** Citation Analysis
- ▶ **IET INSPEC**
  - ▶ Added to review: **June 5, 2018**
- ▶ **COMPENDEX**
  - ▶ Submission: **October 15, 2017**
  - ▶ Resubmission: **September 27, 2020**

CROSSREF



INFORMATION

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- ▶ For Authors
- ▶ For Librarians

AUTHOR

- Submissions
- ▶ Active (0)
  - ▶ Archive (1)

▶ New Submission

ISSN BARCODE



ISSN Online



ISSN Print

CURRENT ISSUE

ATOM	1.0
RSS	2.0
RSS	1.0

KEYWORDS

CNN Class Imbalance  
Classification Computer vision  
Deep learning EEG Feature  
selection Forecasting GPU Iris  
recognition Machine  
Learning Machine learning  
Neural network Ontology  
Recurrent Neural Networks SVM  
Scheduling Transfer Learning  
computer vision convolutional  
neural network feature selection



adi wibowo &lt;bowo.adi@live.undip.ac.id&gt;

## [IJAIN] Editor Decision for Paper entitled (Android Skin Cancer Detection and Classification based on MobileNet v2 Model)

1 message

**Andri Pranolo** <info@ijain.org>

Mon, Jun 8, 2020 at 8:57 AM

To: Adi Wibowo &lt;bowo.adi@live.undip.ac.id&gt;

Cc: Cahyo Adhi Hartanto &lt;cahyo.adhi97@gmail.com&gt;, Panji Wisnu Wirawan &lt;panji@lecturer.undip.ac.id&gt;, ijain@uad.ac.id

Adi Wibowo:

We have reached a decision regarding your submission to International Journal of Advances in Intelligent Informatics, "Android Skin Cancer Detection and Classification based on MobileNet v2 Model" as a Selected paper of SAIN 2019.

Our decision is: Accept with Minor Revisions

Please kindly submit the revision before TWO WEEKS after received this notification, and follow the instructions carefully,

1. Do the corrections with track changes.
2. We required 3 files as feedback, a) File with track changes corrections; b) A file without track changes (Final copy/clean copy); c) Table of correction as a response to editors/ Reviewers comments. Upload all files in \*.ZIP extension file.
3. Follow IJAIN author guidelines at <http://ijain.org/index.php/IJAIN/about/submissions#authorGuidelines>

Please NOTED that if the author(s) not follow the feedback instruction and submit the revisions at the time, it would be editor(s) reasons to DECLINE your submission.

Should you have any queries please do not hesitate to contact us by email. We look forward to hearing from you.

Regards,

Andri Pranolo  
(Managing Editor)

-----  
Reviewer D:  
-----Significance:  
ExcellentOriginality:  
ExcellentQuality:  
GoodClarity:  
ExcellentRelevance:  
Good

Technical (1): Structure of the paper:  
Good

Technical (2): Standard of English:  
Good

Technical (3): Appropriateness of abstract as a description of the paper:  
Good

Technical (4): Use and number of keywords/key phrases:  
Good

Technical (5): Relevance and clarity of drawings, graphs and tables:  
Excellent

Technical (6): Discussion and conclusions:  
Good

Technical (7): Reference list, adequate and correctly cited:  
Good

Explanations for the above ratings and other general comments on major issues:

The topic of the research is very interesting and relevant, it has great applicability. The paper is well structured and organized. A different use is shown for MobileNet, as a machine learning tool used not only for detection but classification. The methodology is clearly defined. The number and quantity of references are adequate. Some details to correct:

- Better writing some expressions, such as "This is very small", can be written as "this is exceedingly small". Another example: "In the images analysis process", should be "In the image's analysis process"; "it can be seen that when", it can be simply "when"

- It is recommended in the conclusions to specify the future work that can be done from the research carried out.

Comments on the minor details of the article:

- In Fig. 5, what is the correct word, "Deptwise" or "Depthwise"?

- It is recommended to place tables 5 and 6 exactly below Scenario 3, so as not to lose continuity in understanding the reading. In other scenarios, they have an order that facilitates understanding. They explain the scenario, they expose the tables of results and figures, with the exception of scenario 3.

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Reviewer E:  
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Significance:  
Good

Originality:  
Good

Quality:  
Excellent

Clarity:  
Good

Relevance:  
Good

Technical (1): Structure of the paper:  
Excellent

Technical (2): Standard of English:  
Good

Technical (3): Appropriateness of abstract as a description of the paper:  
Excellent

Technical (4): Use and number of keywords/key phrases:  
Good

Technical (5): Relevance and clarity of drawings, graphs and tables:  
Excellent

Technical (6): Discussion and conclusions:  
Excellent

Technical (7): Reference list, adequate and correctly cited:  
Excellent

Explanations for the above ratings and other general comments on major issues:

Comments on the minor details of the article:

The article is reasonable and somehow interesting. It demonstrates a portable algorithm that can diagnose skin cancer using mobile phone in the early stage. A multi-scale analysis phase using several separable convolution steps is introduced to the proposed network to improve the accuracy. The performance is tested using zoom-in images at different scales. As its main contribution, this work improves the accuracy of skin cancer detection with limited computation power. Therefore, in my opinion, the work is somehow interesting.

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Reviewer F:  
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Significance:  
Good

Originality:  
Good

Quality:  
Excellent

Clarity:  
Good

Relevance:  
Excellent

Technical (1): Structure of the paper:  
Excellent

Technical (2): Standard of English:  
Excellent

Technical (3): Appropriateness of abstract as a description of the paper:  
Excellent

Technical (4): Use and number of keywords/key phrases:

Good

Technical (5): Relevance and clarity of drawings, graphs and tables:

Excellent

Technical (6): Discussion and conclusions:

Good

Technical (7): Reference list, adequate and correctly cited:

Good

Explanations for the above ratings and other general comments on major issues:

Comments on the minor details of the article:

This is a good paper on the novel neural network usage and deep learning

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International Journal of Advances in Intelligent Informatics  
“Android Skin Cancer Detection and Classification based on MobileNet v2 Model”  
by Adi Wibowo, Cahyo Adhi Hartanto, Panji Wisnu Wirawan  
Submission Number : 492

Dear Editor,

We thank the editor and reviewers for their careful reading of our manuscript and for their useful comments in our resubmission. Please find attached a revised version of our manuscript, titled “Android Skin Cancer Detection and Classification based on MobileNet v2 Model,” which we would like to re-submit for publication in International Journal of Advances in Intelligent Informatics.

We greatly appreciate the opportunity to publish our manuscript to International Journal of Advances in Intelligent Informatics for this first round of resubmission; we have revised with agreements on reviewers’ beneficial comments and recommendations.

In the following pages, we outline our point-by-point responses to each of the reviewers’ comments. We hope that the revisions of our manuscript and our accompanying responses here will be sufficient to ensure publication of our manuscript in International Journal of Advances in Intelligent Informatics.

Yours sincerely,  
Adi Wibowo



## Authors' response

#	Editor/Reviewer Comment	Author response	Added text (or action)
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We wish to thank the Reviewer for his or her valuable comments.

### Reviewers' Comments

#### Reviewer D

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The topic of the research is very interesting and relevant, it has great applicability. The paper is well structured and organized. A different use is shown for MobileNet, as a machine learning tool used not only for detection but classification. The methodology is clearly defined. The number and quantity of references are adequate.

We thank the reviewer for careful reading and pertinent comments.

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Better writing some expressions, such as "This is very small", can be written as "this is exceedingly small". Another example: "In the images

We thank the reviewer for careful reading. We rewrite the expressions.

We revised the text of expressions in the introduction section; 4th paragraph, 5th paragraph. Moreover, we add a text about the code of this study in the last paragraph of the

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<p>analysis process", should be "In the image's analysis process"; "it can be seen that when", it can be simply "when"</p>		<p>introduction section. .... The code is publicly available through <a href="https://github.com/bowoadi/Melanomax/">https://github.com/bowoadi/Melanomax/.....</a></p>
<p>It is recommended in the conclusions to specify the future work that can be done from the research carried out.</p>	<p>The future work has been written on discussion, but to make it easier to follow, we relocated the future work statement from the discussion section to the conclusions. Moreover, we add several more research opportunities that possible to carried out.</p>	<p>We relocated the future work statement from the discussion section to the conclusions. ..... Several further potential developments are possible to be performed in order to enhance the results. In the classification model, it is possible to add a dropout layer to reduce the event of overfitting [31]. Adam's optimization [32] is also possible to set the learning rate more adaptive so that the model can identify more high-grade features. Integrating segmentation of skin lesions as the picture preprocessing step also is potentially improved the accuracy of skin cancer classification. Moreover, standardization of images acquisition can be used to capture high-quality images and excellent visibility. The use of compact microscopes for smartphones that can function as dermascope can be implemented by connecting the compact microscope with the android camera.</p>

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Comments on the minor details of the article:

- In Fig. 5, what is the correct word, "Deptwise" or "Depthwise"?

We thank the reviewer for careful reading and pertinent comments. We have mistaken the writing the depthwise

We revised the text of depthwise at Fig.5

It is recommended to place tables 5 and 6 exactly below Scenario 3, so as not to lose continuity in understanding the reading. In other scenarios, they have an order that facilitates understanding. They explain the scenario, they expose the tables of results and figures, with the exception of scenario 3.

We thank the reviewer for careful reading and pertinent comments. We replace the tables and figures position to make easy for understanding reading.

We moved tables 5 and 6 exactly below Scenario 3 and revised the text position. We arranged some figure positions such as Fig. 13, Fig.14, and Fig. 15.

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### Reviewer E

The article is reasonable and somehow interesting. It demonstrates a portable algorithm that can diagnose skin cancer using mobile phone in the early stage. A multi-scale analysis phase using several separable convolution steps is introduced to the proposed network to improve the

We thank the reviewer for careful reading and pertinent comments.

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accuracy. The performance is tested using zoom-in images at different scales. As its main contribution, this work improves the accuracy of skin cancer detection with limited computation power. Therefore, in my opinion, the work is somehow interesting.

### **Reviewer F**

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This is a good paper on the novel neural network usage and deep learning

We thank the reviewer for careful reading and pertinent comments.