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Kepada: Faisal Dharma Adhinata <faisal@ittelkom-pwt.ac.id>

13 Maret 2022 pukul 07.14

Dear Mr. Faisal Dharma Adhinata:

Thank you for registering your paper 1570797512 (*Comparative Transfer Learning Techniques for Plate Number Recognition*) to **2022 IEEE International Conference on Cybernetics and Computational Intelligence (CyberneticsCom)**. You still have to upload your manuscript at [1570797512](#). Your manuscript can be application/pdf, application/msword and application/vnd.openxmlformats-officedocument.wordprocessingml.document.

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General Chair of IEEE CYBERNETICSCOM 2022
Email: tenia@ittelkom-pwt.ac.id

[IEEE CyberneticsCom 2022] Your paper #1570797512 ('Comparative Transfer Learning Techniques for Plate Number Recognition')

IEEE CyberneticsCom 2022 <ieeecyberneticscom2022-chairs@edas.info>

16 April 2022 pukul 09.31

Kepada: Rizki Rafiif Amanullah <19104010@ittelkom-pwt.ac.id>, Rifqi Akmal Saputra <19104022@ittelkom-pwt.ac.id>, Faisal Dharma Adhinata <faisal@ittelkom-pwt.ac.id>, Nur Ghaniaviyanto Ramadhan <ghani@ittelkom-pwt.ac.id>
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Dear Mr. Rizki Amanullah:

Congratulation! Your papers #1570797512 ('Comparative Transfer Learning Techniques for Plate Number Recognition') has been accepted to present at CyberneticsCom 2022. Please make the necessary revision based on reviewers' comments and suggestions. The detailed reviews are at the bottom of this email or can be found at <https://www.edas.info/showPaper.php?m=1570797512>, using your EDAS login name as described in the bottom of this email.

Please also consider 4 mandatory steps for IEEE CyberneticsCom 2022 for author:

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Sincerely,

Detail Reviews:

===== IEEE CyberneticsCom Review 1 =====

> *** Suitability: Suitability of the title to the content and conference topics.
Poor (1)

> *** Abstract: Abstract sufficiently informative
Good (3)

> *** Originality: Originality/Novelty
Poor (1)

> *** Methodology: Methodology sufficiently described and appropriate
Fair (2)

> *** Results: Results/Conclusions supported by data analysis
Fair (2)

> *** Clarity: Clarity in the presentation of findings and formal structure
Fair (2)

> *** Comments to Authors: Specific Comments by the Referee for the Author(s)

The paper presents various Transfer Learning techniques in detecting the number plate of cars. I am not convinced by the paper since the work does not have novelty. The three techniques used to compare are not developed by the authors neither is the dataset used. The authors have done data preparation and compared results of known techniques.

In order for the paper to be a more informative read, the authors should give some explanation as to why certain models behave better than others, why the transfer learning technique is the recommended approach, etc.

95.89% is not a very good performance overall. Authors do not propose much about how this can be even further improved. I would also like some discussion about how the various confusing characters (like D, O or B) can be handled.

===== IEEE CyberneticsCom Review 2 =====

> *** Suitability: Suitability of the title to the content and conference topics.
Fair (2)

> *** Abstract: Abstract sufficiently informative
Good (3)

> *** Originality: Originality/Novelty
Fair (2)

> *** Methodology: Methodology sufficiently described and appropriate
Good (3)

> *** Results: Results/Conclusions supported by data analysis
Fair (2)

> *** Clarity: Clarity in the presentation of findings and formal structure
Fair (2)

> *** Comments to Authors: Specific Comments by the Referee for the Author(s)

This work applies the transfer learning technique for Indonesian number plate recognition. The authors compared three different models DenseNet121, MobileNetV2, and NASNetMobile and showed that the NASNetMobile achieved 95.89% accuracy.

The reviewers has the following concerns:

1. The literature review is not very extensive.

For instance, a similar study has already been done with the claim to achieve 99% accuracy. See the following work.

Bismantoko S, Rosyidi M, Chasanah U, Haryono A, Widodo T. A COMPARISON PRE-TRAINED MODELS FOR AUTOMATIC INDONESIAN LICENSE PLATE RECOGNITION. *Majalah Ilmiah Pengkajian Industri* [Internet]. Badan Pengkajian dan Penerapan Teknologi (BPPT); 2021 Apr 28;15(1).

The authors should cite this work and highlight their contribution.

2. Paper writeup should be improved. There are unclear sentences and grammatical mistakes.

3. The testing is performed for only 10 number plates. It is suggested to increase the testing data set to to have more rigorous comparison between the selected models

===== IEEE CyberneticsCom Review 3 =====

> *** Suitability: Suitability of the title to the content and conference topics.
Good (3)

> *** Abstract: Abstract sufficiently informative
Fair (2)

> *** Originality: Originality/Novelty
Good (3)

> *** Methodology: Methodology sufficiently described and appropriate
Good (3)

> *** Results: Results/Conclusions supported by data analysis
Fair (2)

> *** Clarity: Clarity in the presentation of findings and formal structure
Good (3)

> *** Comments to Authors: Specific Comments by the Referee for the Author(s)

1. The abstract need to write in the past tense.
2. Show the objective of the research clearly in the introduction part.
3. Add analysis to the results and discussion part.

#39 (1570797512): Comparative Transfer Learning Techniques for Plate Number Recognition

Hide details

Brillix

Rizki Rafiif Amanullah, Rifqi Akmal Saputra, Faisal Dharma Adhinata and Nur Ghaniaviyanto Ramadhan (Institut Teknologi Telkom Purwokerto, Indonesia)



- Paper title** *Comparative Transfer Learning Techniques for Plate Number Recognition* Only the chairs can edit
- Conference and track** 2022 IEEE International Conference on Cybernetics and Computational Intelligence (CyberneticsCom) - Artificial Intelligence
- Abstract** Only the chairs can edit Monitoring vehicle activity both on the highway and in certain places such as parking lots needs to...
- Keywords** DenseNet121; MobileNetV2; NASNetMobile; Number plate recognition Only the chairs can edit
- Topics** Artificial Intelligence 1# Only the chairs can edit
- Personal notes**
- Roles** You are the creator and an author for this paper.
- Status** Accepted
- Copyright** IEEE; IEEE: Apr 18, 2022 21:24 America/New_York
- Registration** Faisal Dharma Adhinata has registered and paid for Authors:Aut-Student NonMem
- Presented** by Rizki Rafiif Amanullah in session AIT-0105: *Technical Session Artificial Intelligence* from Thu, June 16, 2022 00:20 EDT until 01:35 (1st paper) in 5 (15 min.)

Review manuscript Final manuscript Stamped Stamped-e Presentation



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