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LAMPIRAN

Lampiran 1. Dokumentasi perizinan dan wawancara



Dokumentasi wawancara dan konsep penelitian Bersama kepala Balai Standarisasi Instrumen Pertanian



Dokumentasi wawancara terkait focus penelitian yakni jagung

Lampiran 2. Pengambilan data

Dokumentasi pengambilan data langsung di lapangan

Lampiran 3. Rekam jejak publikasi

From: <aijcp-edoffice@aijcp.org>
 Date: Wed, Apr 3, 2024 at 5:14AM
 Subject: Pancasakti International Conferences Engineering and Computer Science 2022 - Complete your submission MS ID: AIPCP24-CF-PISECO2022-00006
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Detection of Corn Plant Diseases Using Convolutional Neural Network: A Review

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All Author(s):

Mohamad Ilyas Abas, Syafruddin Syarif, Ingrid Nurtanio, Zulkifli Tahir

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Your manuscript has been successfully submitted to the proceedings of Pancasakti International Conferences Engineering and Computer Science 2022. This message is being sent to you as one of the authors of the following conference proceedings manuscript:

MS ID: AIPCP24-CF-PISECO2022-00006
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

Detection of corn plant diseases using convolutional neural network: A review FREE


Mohamad Ilyas Abas; Syafruddin Syarif; Ingrid Nurtanio; Zulkifli Tahir

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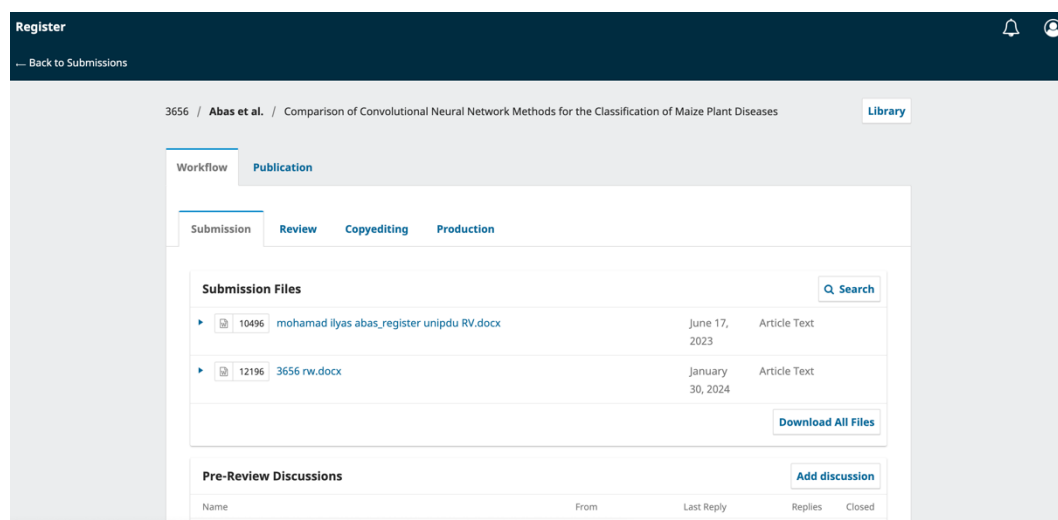
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Lampiran 4. Publikasi jurnal 1



Mohamad Ilyas Abas, Syafruddin Syarif, Ingrid Nurtanio, Zulkifli Tahir:

We have reached a decision regarding your submission to Register, "Corn Plant Disease Classification using Hyperparameter Tuning Convolutional Neural Network ".

Our decision is: Revisions Required

Reviewer J:

Recommendation: Revisions Required

2. Suggestions/ improvements regarding the TITLE:*

adding more specific or descriptive elements that can provide a clearer picture of the research focus, methods used, or main findings of the research. This can help increase the clarity and informativeness of the title, so that readers can easily understand the essence of the research conducted.

4. Suggestions/ improvements on the ABSTRACT:

provide a brief explanation of how corn image classification analysis is carried out, such as the data preprocessing process, dataset division, and the parameters used in the neural network models being tested.

Also, highlight the contribution of this research in the context of previous research or its potential impact in the field of corn agriculture

6. Suggestions/ improvements regarding the KEYWORD:

Here are some keywords that you can consider to make your paper easy to find in databases:

Corn Disease Classification, Neural Network Models, Image Analysis Algorithms, Disease Detection Accuracy, and Agricultural Technology Innovation

8. Suggestions/ improvements on the INTRODUCTION:

This paper can be enriched in the introductory part by adding a more in-depth explanation of the Corn Problem, reviewing previous research that is similar to your research, identifying the results of gaps and novelties that you found, and explaining the specific objectives of your research.

10. Suggestions on the improvement of the RESEARCH MATERIALS and METHODS:

Suggestions for improving the Research Materials and Methods section in this paper:

Justification for Selection of Neural Network Models, More Detailed Description of the Hyperparameter Tuning Process, Comparison with Other Methods, Model Validation and Performance Testing, Ethical and Data Security Considerations, and matters relating to openness in your research process

12. Suggestions and improvements on the RESULT and DISCUSSION:

The answer does not provide enough information to answer the question completely because it does not mention whether the discussion describes the research findings in relation to previous concepts/theories, compares them critically with the work of others, and strengthens or corrects previous findings.

Here are suggestions for improvising on this part:

1. Begin with a clear statement of the research question(s) and hypotheses, and explain how the results of the study answer these questions or support/refute the hypotheses.
2. Provide more detail about the methods used to collect and analyze the data, especially if they are complex or unfamiliar to the reader.
3. Connect the findings of the study to previous research in the field, highlighting similarities and differences between the current study and others, and explaining what the current study adds to the existing knowledge.
4. Be critical and consider alternative explanations for the results, including potential limitations of the study design, statistical analyses, and so on.
5. Suggest avenues for future research that build on the current study, and explain how the findings could be translated into practical applications in the real world.

14. Suggestions and improvements on the CONCLUSION.

It is difficult to accurately assess the quality of the conclusions without having access to the actual conclusions section of the study. However, based on the information provided in the document, the conclusion states that "From the results of modeling conducted by VGG16, ResNet50, ResNet101, and ENet, it can be concluded that the ENet model has a high accuracy value of 98.69%. This makes ENet suitable for classifying the corn plant disease dataset which is the object of this research." While this conclusion is based on the research results, it provides limited information and does not give a thorough discussion of the implications or limitations of the research. Therefore, the conclusion may be considered less adequate or incomplete without additional information.

Suggestions for improving the conclusion:

- Begin by restating the main research questions and hypotheses and explain the results in depth.

- Summarize the main findings of the study and explain their significance in the context of the broader field of research.
- Address the limitations of the study, including any potential research biases or experimental shortcomings, and explain how they may have impacted the findings.
- Provide recommendations for future research directions that can build on the current study and address any remaining questions.
- Suggest practical applications of the research and explain how the findings can be used to advance knowledge, improve practices, or solve real-world problems.

19. Overall Recommendation?

Accepted after minor revision

Reviewer K:

Recommendation: Revisions Required

2. Suggestions/ improvements regarding the TITLE:*

The research title is good, it reflects the contents of the paper

4. Suggestions/ improvements on the ABSTRACT:

The problem summary needs to tell why it is necessary to experiment with several algorithms

6. Suggestions/ improvements regarding the KEYWORD:

ok

8. Suggestions/ improvements on the INTRODUCTION:

In the introduction there is no clear reason why it is necessary to experiment with this algorithm for classification. At the end, it is also necessary to highlight what you want to solve and what the contribution of this paper is.

10. Suggestions on the improvement of the RESEARCH MATERIALS and METHODS:

It was explained that the data was from Kaggle. There is no explanation regarding the relationship between the dataset and corn plants in Gorontalo, even though the introduction and abstract highlight corn plants in Gorontalo.

12. Suggestions and improvements on the RESULT and DISCUSSION:

Detailed discussion regarding several experiments with several architectures. There is no visible discussion of what causes one architecture to have higher performance than another

14. Suggestions and improvements on the CONCLUSION.

The conclusion shows which architecture produces the highest accuracy, but there is no summary analysis of what causes it

19. Overall Recommendation?

Accepted after minor revision

The following message is being delivered on behalf of Register

Notifications

**[Register] Editor Decision**

2024-03-30 04:04 AM

Mohamad Ilyas Abas, Syafruddin Syarif, Ingrid Nurtanio, Zulkifli Tahir:

The editing of your submission, "Corn Plant Disease Classification using Hyperparameter Tuning Convolutional Neural Network ," is complete. We are now sending it to production.

Submission URL: <https://journal.unipdu.ac.id/index.php/register/authorDashboard/submission/3656>

The following message is being delivered on behalf of Register

Notifications

**[Register] Editor Decision**

2024-03-12 05:24 AM

Mohamad Ilyas Abas, Syafruddin Syarif, Ingrid Nurtanio, Zulkifli Tahir:

We have reached a decision regarding your submission to Register, "Corn Plant Disease Classification using Hyperparameter Tuning Convolutional Neural Network ".

Our decision is to: Accept Submission

The following message is being delivered on behalf of Register

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Comparison of Convolutional Neural Network Methods for the Classification of Maize Plant Diseases

Mohamad Ilyas Abas
UNIVERSITAS HASANUDDIN; UNIVERSITAS MUHAMMADIYAH GORONTALO

Syafruddin Syarif
Department of Electrical Engineering, Universitas Hasanuddin

Ingrid Nurtanio
Department of Informatics, Universitas Hasanuddin

Zulkifli Tahir
Department of Informatics, Universitas Hasanuddin

DOI: <https://doi.org/10.26594/register.v10i1.3656>

Keywords: corn disease classification, Convolutional Neural Network, Image Analysis Algorithms, Disease Detection Accuracy, Agricultural Technology Innovation

Abstract

The focus of this study is the classification of maize images with common rust, gray leaf spot, blight, and healthy diseases. Various models, including

Published
2024-03-31

How to Cite
M. I. Abas, Syafruddin Syarif, Ingrid Nurtanio, and Zulkifli Tahir, "Comparison of Convolutional Neural Network Methods for the Classification of Maize Plant Diseases", *regist. j. ilm. teknol. sist. inf.*, vol. 10, no. 1, pp. 32-45, Mar. 2024.

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Lampiran 5. Publikasi jurnal 2

Home > User > Author > Submissions > #8201 > Summary

#8201 Summary

SUMMARY REVIEW EDITING

Submission

Authors	Mohamad Ilyas Abbas, Syafruddin Syarif, Ingrid Nurtanio, Zulkifli Tahir
Title	Improved EfficientNet with Hyperparameter Tuning for Detecting in Corn Leaf Disease
Original file	8201-19811-1-8M.DOC 2024-01-18 ADD A SUPPLEMENTARY FILE
Supp. files	None
Submitter	Syafruddin Syarif
Date submitted	January 18, 2024 - 11:35 AM
Section	Computer and Informatics Engineering
Editor	Hamid Alinejad-Rokny (Review) Arcangelo Castiglione (Review) Vicente Garcia Diaz (Review) Ahmad Hoirul Basori (Review) Taghi Javdani Gandomani (Review)

Status

Status	In Review
Initiated	2024-03-21
Last modified	2024-04-02

Submission Metadata

[EDIT METADATA](#)

Authors

Name	Mohamad Ilyas Abbas
Affiliation	Department of Electrical Engineering, Universitas Hasanuddin, Poros Malino Street Km. 6 Bontomarannu, Gowa, South Sulawesi, 92127, Indonesia
Country	Indonesia
Bio Statement	--
Name	Syafruddin Syarif

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Dear Prof/Dr/Mr/Mrs. Syafruddin Syarif,

We have reached a decision regarding your submission to Bulletin of Electrical Engineering and Informatics, "Improved EfficientNet with Hyperparameter Tuning for Detecting in Corn Leaf Disease", a Scopus (<https://www.scopus.com/sourceid/21100826382>) and ScimagoJR (<https://www.scimagojr.com/journalsearch.php?q=21100826382&tip=sid&clean=0>) indexed journal, with CiteScore: 3.0, SNIP: 0.639 and SJR: 0.299.

Our decision is to: Revisions Required

1. Your revised paper should demonstrate a clear understanding of the key issues related to your topic of choice. The paper should display analysis and not mere summary of the topic under consideration. It should also include evidence to support arguments where necessary. Your paper should demonstrate a connection of the references you mention to the central topic and to each other where necessary throughout the paper.
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3. Attention Please! Method section

SUMMARY REVIEW EDITING

Submission

Authors	Mohamad Ilyas Abas, Syafruddin Syarif, Ingrid Nurtanio, Zulkifli Tahir
Title	Improved EfficientNet with Hyperparameter Tuning for Detecting in Corn Leaf Disease
Section	Computer and Informatics Engineering
Editor	Hamid Alinejad-Rokny (Review)
	Arcangelo Castiglione (Review)
	Vicente Garcia Diaz (Review)
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Peer Review

Round 1

Review Version	8201-19512-1-RV.DOC	2024-01-18
Initiated	2024-01-19	
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Editor Version	None	
Author Version	8201-20049-1-ED.DOCX	2024-02-23

Round 2

Review Version	8201-19512-2-RV.DOCX	2024-02-24
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Round 3

Review Version	8201-19512-3-RV.DOCX	2024-03-21
Initiated	2024-03-21	
Last modified	2024-04-02	
Uploaded file	None	

Lampiran 6. Biodata

A. Identitas Diri

1	Nama Lengkap (dgn gelar)	Mohamad Ilyas Abas
2	Jenis Kelamin	L
3	Jabatan Fungsional	Lektor
4	NBM	1206 095
5	NIDN	0926089101
6	Tempat dan Tanggal Lahir	Gorontalo, 26 Agustus 1991
7	Email	ilyasabas@umgo.ac.id
8	No. Hp	082396102670
9	Alamat Kantor	Jl. Prof. Mansoer Pateda Kec. Telaga Biru Kab. Gorontalo

B. RIWAYAT PENDIDIKAN

	S1	S2
Nama PT	Universitas Negeri Gorontalo	UDINUS Semarang
Bidang Ilmu	Sistem Informasi	Teknik Informatika
Tahun Masuk-Lulus	2009-2014	2014-2016
Judul Skripsi/ Tesis/ Disertasi	Distribusi Data Kependudukan Menggunakan Metode Replikasi Database Dengan Teknik Single Master Replicated	Prediksi Rentet Waktu Jumlah Penumpang Bandara Menggunakan Algoritma Neural Network Berbasis Genetik Algoritm

C. PENGALAMAN PENELITIAN DALAM 5 TAHUN TERAKHIR

NO	TAHUN	JUDUL PENELITIAN	SKIM

1	2020	Analisis Tren Pertumbuhan COVID-19 Melalui Pendekatan Data Mining Sebagai Decision Support	RISETMU (Muhammadiyah)
2	2020	Inovasi Sistem Manajemen Zakat, Infaq dan Sedekah Lazismu Gorontalo	RISETMU
3	2021	Studi Analisis Fatwa Tarjih Muhammadiyah Tentang Rokok dan Dampaknya Terhadap COVID19	Internal
4	2021	Perancangan Sistem Informasi Geografis Statistik Kepolisian (SIGAP) di Kabupaten Gorontalo	Internal
5	2022	Image Classification With ResNet50 Convolutional Neural Network on Corn Disease	RISETMU Batch VI

**D. PENGALAMAN PENGABDIAN KEPADA MASYARAKAT
DALAM 5 TAHUN TERAKHIR**

NO	TAHUN	JUDUL PPM	SKIM
1	2016	Pelatihan Power Point Guru Agama Islam Se Gorontalo	Kementrian Agama
2	2017	Pelatihan Aplikasi Dasar Di Desa Hulawa Kec. Telaga Kab. Gorontalo	Internal
3	2017	Digital Village Menuju Desa yang Berkemajuan	Internal

E. PUBLIKASI ARTIKEL ILMIAH DALAM JURNAL

NO	JUDUL ARTIKEL ILMIAH	NAMA JURNAL	VOLUME/ NOMOR/T
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			AHUN
1	Sistem Informasi Geografis Tempat Wisata	Prosiding SENASIF Malang	1/1/2017
2	Sistem Informasi Kuliah Kerja Dakwah UM-Gorontalo	Jurnal SIMETRIS	2017
3	Prediksi Rentet Waktu Jumlah Penumpang Bandara Menggunakan Algoritma Neural Network Berbasis Genetik Algoritm	Jurnal Repositori UDINUS	2016
4	E-Report (Aplikasi Kependudukan) berbasis Web-GIS	Prosiding UGM	2017
5	Pengelolaan Kampung IT Berbasis Webgis Untuk Pemetaan Kawasan Kependudukan	Prosiding Seminar Geografi UGM	2019
6	Web-Gis Pemetaan Solar Panel Di Gorontalo	Semantech	2019
7	Optimasi Support Vector Machine Particle Swarm Optimization Untuk Prediksi Konsumsi Energi Listrik	Jambura (Journal of Informatics) UNG	2019
8	Prediksi Rentet Waktu Jumlah Penumpang Bandara Menggunakan Algoritma Neural Network Berbasis Genetic Algorithm	Cyberku Journal	2019
9	The Urgency of Disability Accessibility in Gorontalo District Government Agencies	Journal La Sociale	2020
10	Pengembangan Aplikasi Pembelajaran Bahasa Inggris Berbasis Website Bagi Siswa Sekolah Menengah Atas Di	Orbit	2020

	Kabupaten Gorontalo (Suatu Analisis Kebutuhan)		
11	Implementation Of Solar Cell Based Smart Chair As A Green Open Space Electric Energy Source	International Journal Papier Advance and Scientific Review	2021
12	Perancangan Sistem Informasi Geografis Statistik Kepolisian (Sigap) Kabupaten Gorontalo	Jurnal Ilmu Komputer (JUIK)	2021
13	Aplikasi media pembelajaran teknologi augmented reality berbasis android	Jurnal Ilmu Komputer (JUIK)	2021
14	Penerapan Model Unified Theory Of Acceptance And Use Of Technology (Utaut) Terhadap Penggunaan Sistem Informasi Akademik Universitas Muhammadiyah Gorontalo	Jurnal Ilmu Komputer (JUIK)	2022
15	Rancang Bangun Sistem Keamanan Rumah Berbasis Internet of Things	JTT (Jurnal Teknologi Terpadu)	2022
16	Inovasi Sistem Informasi Manajemen Zakat, Infaq dan Sedekah Lazismu Gorontalo	JRST (Jurnal Riset Sains dan Teknologi)	2022
17	Analysis Of Covid-19 Growth Trends Through Data Mining Approach As Decision Support	Sinkron: jurnal dan penelitian teknik informatika	2023
18	Analysis of End-to-End Delay Video Conferencing Services on a Mobile Ad Hoc Network	JOURNAL OF INFORMATICS AND TELECOMMUNICATION ENGINEERING	2023
19	Systematic Literature Review of Expert System	TIN: Terapan Informatika Nusantara	2023
20	Implementasi Decision Tree C4. 5 dalam Memilih Perguruan Tinggi Pendamping Program SMK Pusat Keunggulan	KLIK: Kajian Ilmiah Informatika Dan Komputer	2023
21	Penerapan Metode Analytic Hierarchy Process (AHP) dalam Pengambilan Keputusan Perekrutan Tenaga Kesehatan	KLIK: Kajian Ilmiah Informatika dan Komputer	2023
22	The Implementation of MOORA method in the Selection of Direct Cash Aid Recipients	Journal of Computer System and Informatics (JoSYC)	2023
23	Penerapan Keran Wudu Otomatis pada Optimasi Penggunaan Air	Journal of Computer System and Informatics	2023

	dengan Sensor Ultrasonic Berbasis Arduino dengan Sistem Back Up Daya Otomatis	(JoSYC)	
24	Digital Library Universitas Muhammadiyah Gorontalo	Jurnal Ilmu Komputer (JUIK)	2024
25	Analisis Tingkat Kepuasan Pengguna Sistem Informasi Elektronik Kinerja Asn (SI-EKA) Di Kementerian Agama Menggunakan Metode Webqual	Jurnal Ilmu Komputer (JUIK)	2024
26	Comparison of Convolutional Neural Network Methods for the Classification of Maize Plant Diseases	Register: Jurnal Ilmiah Teknologi Sistem Informasi	2024
27	Detection of corn plant diseases using convolutional neural network: A review	AIP Conference Proceedings	2024
28	Comparative Analysis of CNN-LSTM and LSTM Models for Cyberbullying Detection with Increasing Dataset Sizes	Jurnal Ilmu Komputer (JUIK)	2024

**F. PEMAALAH SEMINAR ILMIAH (*ORAL PRESENTATION*) 5
THN TERAKHIR**

NO	NAMA PERTEMUAN ILMIAH/ SEMINAR	JUDUL ARTIKEL ILMIAH	WAKTU DAN TEMPAT
1	ICCSET 2022	Detection Of Corn Plant Diseases Using Convolutional Neural Network: A Review	ICCSET 2022 UNIVERSITAS MURIA KUDUS (26 NOVEMBER 2022)

G. KARYA BUKU

NO	JUDUL BUKU	TAHUN	JUMLAH HAL	PENERBIT
1	Sistem Basis Data	2018	111	Ideas publishing

H. PEROLEHAN HKI DALAM 10 TAHUN TERAKHIR

NO	JUDUL/ TEMA HKI	TAHUN	JENIS	NOMOR P/ID
1	e-Report (Aplikasi Administrasi Kependudukan Desa)	2017	Hak Cipta	EC00201706006, 29 November 2017
2	Sistem Informasi Manajemen Zakat, Infak, Sedekah (SIMZIS) Lazismu Gorontalo			EC00202431548, 19 April 2024