

LEMBAR PENILAIAN KARYA ILMIAH

Nama Penulis dan Peneliti : Afizar, SP.,MP.,Ph.D

Judul Konferensi Internasional: " Soil suitability for Sawah in Sumani watershed in west sumatra Indonesia using Surfer Tool"

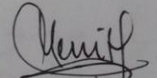
Status Konferensi Internasional : <http://icast.politeknik.or.id> atau <http://icast2018.polimdo.ac.id>.

.2018 Internasional conference on applied science and technology. ICAST. In Hotel Sheraton Manado. ,october 26-27, 2018.

No	UNSUR YANG DINILAI	BOBOT	SKOR	NILAI
1.	Kesesuaian judul makalah karya ilmiah dengan bidang yang di ampu oleh penulis	30%	30	9
2.	Pemenuhan kaidah penulisan karya ilmiah	30%	20	6
3.	Kebaharuan aspek/masalah yang diteliti	20%	30	6
4.	Struktur penulisan karya ilmiah (Judul, Permasalahan, Metode penelitian/Pemecahan, hasil dan pembahasan, Kesimpulan, daftar pustaka	10%	30	3
5.	Struktur Kalimat dan Bahasa	10%	30	3
	TOTAL	100%		

Tanjungpala, 28 Februari 2019

Penilai I



Dr. Neni T. Medona

NIP: 19720910200032001

Catatan:

Skor : 1-40, Untuk Jurnal Internasional

Skor: 140, Untuk Jurnal Nasional Terakreditasi

Skor: 1-10, Untuk Jurnal Nasional tidak Terakreditasi

LEMBAR PENILAIAN KARYA ILMIAH

Nama Penulis dan Peneliti : Aflizar, SP.,MP.,Ph.D

Judul Konferensi Internasional: " Soil suitability for Sawah in Sumani watershed in west sumatra Indonesia using Surfer Tool"

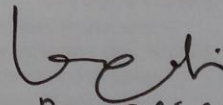
Status Konferensi Internasional : <http://icast.politeknik.or.id> atau <http://icast2018.polimdo.ac.id>.

.2018 International conference on applied science and technology. ICAST. In Hotel Sheraton Manado. ,october 26-27, 2018.

No	UNSUR YANG DINILAI	BOBOT	SKOR	NILAI
1.	Kesesuaian judul makalah karya ilmiah dengan bidang yang di ampu oleh penulis	30%	40	12
2.	Pemenuhan kaidah penulisan karya ilmiah	30%	30	9
3.	Kebaharuan aspek/masalah yang diteliti	20%	40	8
4.	Struktur penulisan karya ilmiah (Judul, Permasalahan, Metode penelitian/Pemecahan, hasil dan pembahasan, Kesimpulan, daftar pustaka	10%	40	4
5.	Struktur Kalimat dan Bahasa	10%	40	4
	TOTAL	100%		

Tanjungpati 27 Februari 2019

Penilai II



..... Dr. Esi Syah

NIP:..... 6973111200212003

Catatan:

Skor : 1-40, Untuk Jurnal Internasional

Skor: 140, Untuk Jurnal Nasional Terakreditasi

Skor: 1-10, Untuk Jurnal Nasional tidak Terakreditasi

Institutional Sign In

Browse

My Settings

Get Help

Subscribe

Advertisement

Advertisement

Conferences > 2018 International Conference...

Soil Suitability Evaluation for Sawah in Sumani Watershed in West Sumatra Indonesia using Surfer Tool

Publisher: IEEE

9 Author(s)

Afizar; Elvin Hasman; Agustamar; Irwan, A.; Gusmalini; Weri Susena ES ... [View All Authors](#)4
Full
Text Views

Abstract

Abstract: This study characterized the soils of the Sumani watershed, West Sumatra Indonesia, for soil-suitability evaluation for sawah using Surfer tool-based multicriteria overlay analysis. [View more](#)

Document Sections

I. Introduction

II. Material and Methods

III. Results and Discussion

IV. Conclusions

Authors

Figures

References

Keywords

Metrics

More Like This

Metadata

Abstract:

This study characterized the soils of the Sumani watershed, West Sumatra Indonesia, for soil-suitability evaluation for sawah using Surfer tool-based multicriteria overlay analysis techniques combine with FAO 1976 procedure. The study showed that 78 samples at four soil orders including six groups, i.e. Oxic Hapudant(OH), Andic Humitropept(AH), Typic Kandiuult(TK), Aeric Tropaquept(AT), Typic Distropept(TD) and Typic Eutropept(TE). Soil developed from fourth geological types. Soil chemical properties were analysed using ICP and spectrofotometry. The analysis revealed that the sawah soils number 1-2, 5, 16, 19, 25, 27, 38, 41-42, 44-45, 53-54, 64,68 and 78 were "moderately suitable (S2)" and sawah soils number 3-4, 6-14, 17-18, 20-24, 26, 28-32, 33-37, 39-40, 43, 46-48, 49-52, 55-63, 65-66, 67-75 and 76-78 were "marginally suitable (S3)" for sawah development. In Sumani watershed, the area analysis showed that for a sawah area about 9974.43 ha (17.1%) of total sawah is moderately suitable and classified as S2. An area about 48355.57 ha (82.9%) is marginal suitable (S3). However, a 0 ha (0%) area is not suitable (N) and 0 ha (0%) area is suitable (S1) for sawah because of uncorrectable factors commonly due to low available silicate(Si) and introduce silicate fertilizer to sawah soil that change sawah soil in criteria S2 (82.9%). The study demonstrated that Surfer-based tool multicriteria overlay analysis of soil thematic parameters combine with FAO method will be of immense help in soil-suitability evaluation for present sawah condition.

Published in: 2018 International Conference on Applied Science and Technology (ICAST)

Date of Conference: 26-27 Oct. 2018 **INSPEC Accession Number:** 18796676

Date Added to IEEE Xplore: 01 July 2019 **DOI:** 10.1109/ICAST.2018.8751621

ISBN Information:

Publisher: IEEE

Conference Location: Manado, Indonesia, Indonesia

No metrics found for this document.

Advertisement

Contents

I. Introduction

Knowledge of soil, soil characteristics and distribution of soil types is needed for the development of an area's agro-industry because it opens

More Like This

Soil sampling mobile platform for Agriculture 4.0
2019 20th International Carpathian Control Conference (ICCC)
Published: 2019

Effects of Incorporation of Nano-carbon into Slow-released Fertilizer on Rice Yield and Nitrogen Loss in Surface Water of Paddy Soil
2013 Third International Conference on Intelligent System Design and Engineering Applications
Published: 2013

[View More](#)

Top Organizations with Patents on Technologies Mentioned in This Article



Advertisement

About Scopus

- What is Scopus
- Content coverage
- Scopus blog
- Scopus API

Language

- 日本語に切り替える
- 切换到简体中文
- 切换到繁体中文
- Русский язык

Customer Service

- Help
- Contact us

About Scopus

- What is Scopus
- Content coverage
- Scopus blog
- Scopus API

Language

- 日本語に切り替える
- 切换到简体中文
- 切换到繁体中文
- Русский язык

Customer Service

- Help
- Contact us



Ads by Google

Stop seeing this ad Why this ad?

Proceedings of the IEEE

Country United States III QIP U

Proceedings of the IEEE

269

H Index

Country United States - [SIR Ranking of United States](#)

Subject Area and Category [Computer Science](#)
[Computer Science \(miscellaneous\)](#)
[Engineering](#)
[Electrical and Electronic Engineering](#)

Publisher [Institute of Electrical and Electronics Engineers Inc.](#)

Publication type Journals

ISSN 15582256, 00189219

Coverage 1927, 1963-2020

Scope Proceedings of the IEEE is the leading journal to provide in-depth review, survey, and tutorial coverage of the technical developments in electronics, electrical and computer engineering, and computer science. Consistently ranked as one of the top journals by Impact Factor, Article Influence Score and more, the journal serves as a trusted resource for engineers around the world. The Proceedings publishes approximately ten Special Issues and two regular paper issues per year. -Special Issues are led by distinguished Guest Editor teams and contain articles, typically surveys, reviews or tutorials, from leading experts in

ISSN 15582256, 00189219

Coverage 1927, 1963-2020

Scope Proceedings of the IEEE is the leading journal to provide in-depth review, survey, and tutorial coverage of the technical developments in electronics, electrical and computer engineering, and computer science. Consistently ranked as one of the top journals by Impact Factor, Article Influence Score and more, the journal serves as a trusted resource for engineers around the world. The Proceedings publishes approximately ten Special Issues and two regular paper issues per year. -Special Issues are led by distinguished Guest Editor teams and contain articles, typically surveys, reviews or tutorials, from leading experts in the technology area being covered. They serve as a guide to the state-of-the-art and are highly valued by the core research community, as well as specialists in other areas, looking to quickly come up to speed on the latest and more promising advances in areas outside of their own expertise. -Regular Issues consist of three to four papers on more focused topics, giving readers background and insight into emerging areas. Papers published in the Proceedings are usually reviews, surveys, or tutorials. -Reviews critically examine a technology, tracing its progress from its inception to the present—and perhaps into the future. -Surveys comprehensively view a technology—its applications, issues, ramifications, and potential. -Tutorial papers explain a technology and may give practical information for implementing it. These papers are written for the purpose of informing non-specialist engineers about a particular technology.



[Homepage](#)

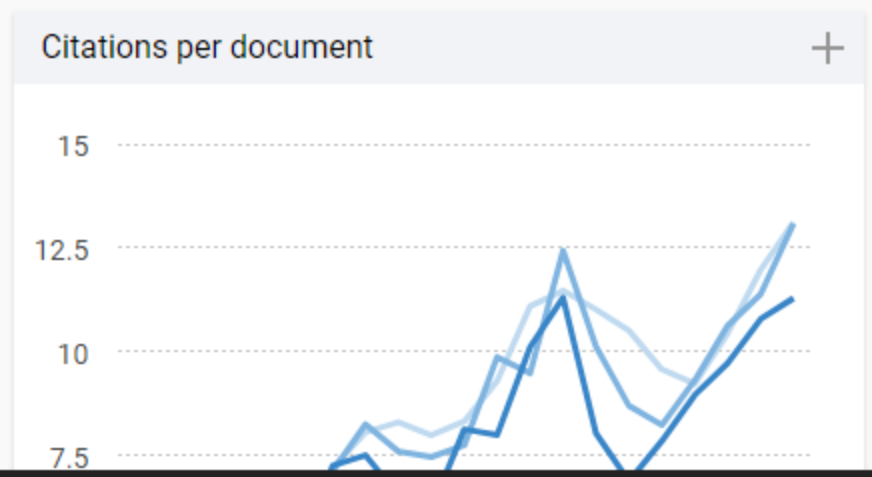
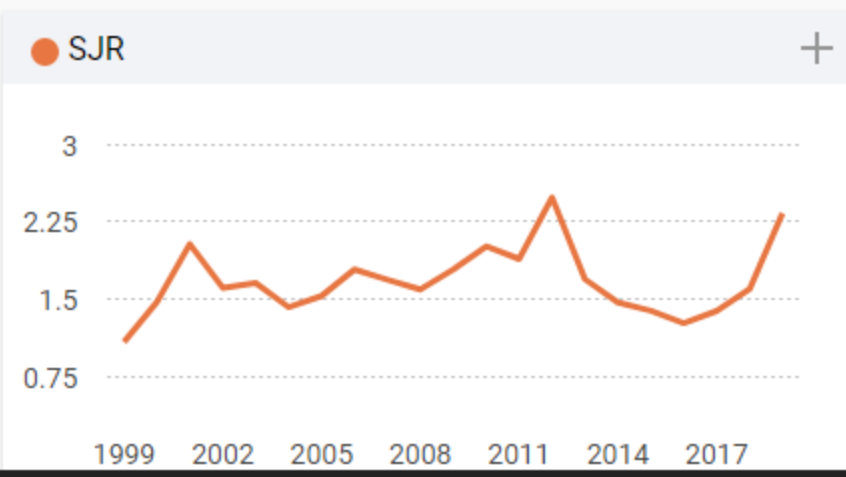
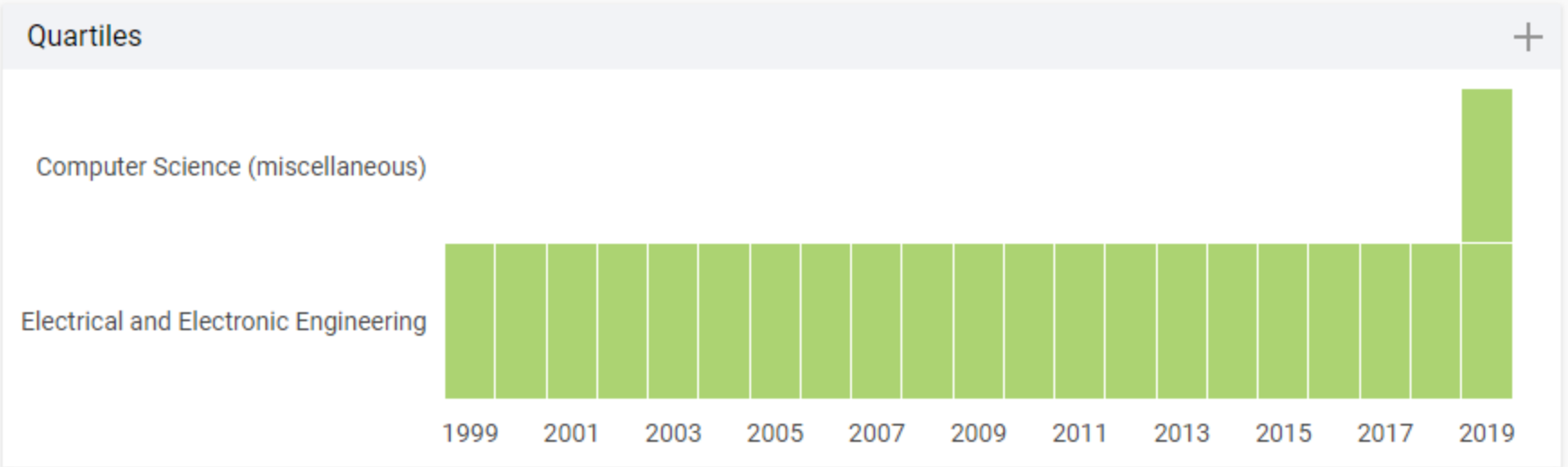
[How to publish in this journal](#)

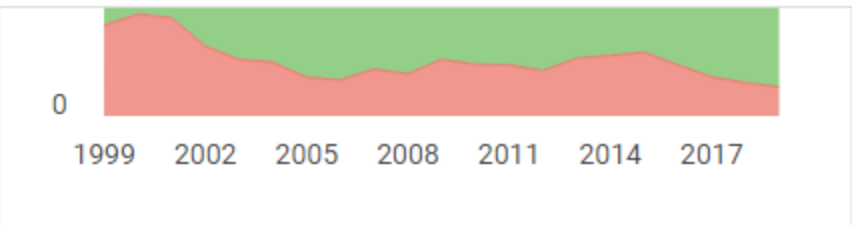
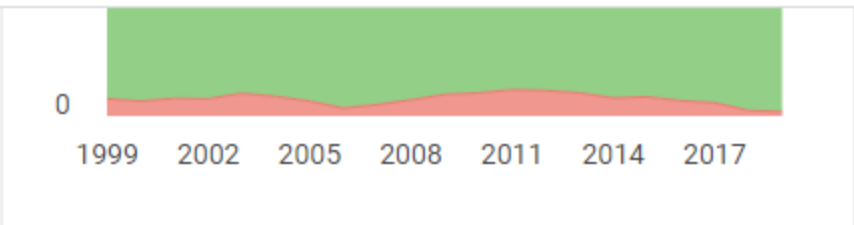
[Contact](#)



[Join the conversation about this journal](#)







Proceedings of the IEEE ← Show this widget in your own website

Q1 Computer Science (miscellaneous)
best quartile

SJR 2019
2.33

powered by scimagojr.com

Just copy the code below and paste within your html code:

```
<a href="https://www.scimaç
```

ISI Thomson Reuters Indexed



Sultan 6 days ago

SJR shows this journal in Q1. What is the actual rank of this journal?

← reply



Melanie Ortiz 6 days ago

SCImago Team

Dear Sultan, thank you for contacting us.
For every journal, the annual value of the SJR is integrated into the distribution of SJR values of all the thematic categories to which the journal belongs. There are more than 300 thematic categories. The position of each journal is different in any category and depends on the performance of the category, in general, and the journal, in particular .
Best Regards, SCImago Team

All Search within Publication ADVANCED SEARCH

Browse Journals & Magazines > Proceedings of the IEEE

Proceedings of the IEEE

Submit Manuscript Add Title To My Alerts



- Home Popular Early Access Current Issue All Issues About Journal

10.252 Impact Factor 0.02831 Eigenfactor 3.867 Article Influence Score

Proceedings of the IEEE is the leading journal to provide in-depth review, survey, and tutorial coverage of the technical developments in electronics, electrical and computer engineering, and computer science.



Need Full-Text access to IEEE Xplore for your organization? CONTACT IEEE TO SUBSCRIBE Feedback

Home

Popular

Early Access

Current Issue

All Issues

About Journal

10.252

Impact Factor

0.02831

Eigenfactor

3.867

Article Influence Score



Proceedings OF THE IEEE



Learn more about Proceedings of the IEEE

Need Full-Text access to IEEE Xplore for your organization?

CONTACT IEEE TO SUBSCRIBE >

IEEE Xplore®

We are working on a NEW search approach and need your input.

Select partici

Feedback

Read Full Aims & Scope

[Read Full Aims & Scope](#)

Author Resources

[Submission Guidelines](#)

[Submit Manuscript](#)

[Author Center](#)

[Become a Reviewer](#)

[Additional Information](#)

[Open Access](#)

[Publishing Options](#)

Meet the Editor

Editor-in-Chief

Gianluca Setti 
Politecnico di Torino
Corso Duca degli
Abruzzi, 24
10129 Torino, Italy
proceedings@ieee.org

Popular Articles	Latest Published Articles
-------------------------	---------------------------

Edge Intelligence: Paving The Last Mile Of Artificial Intelligence With Edge Computing
Zhi Zhou ; Xu Chen ; En Li ; Liekang Zeng ; Ke Luo ; Junshan Zhang

Taking The Human Out Of The Loop: A Review Of Bayesian Optimization
Bobak Shahriari ; Kevin Swersky ; Ziyu Wang ; Ryan P. Adams ; Nando De Freitas

Gradient-Based Learning Applied To Document Recognition
Y. Lecun ; L. Bottou ; Y. Bengio ; P. Haffner

Efficient Processing Of Deep Neural Networks: A Tutorial And Survey
Vivienne Sze ; Yu-Hsin Chen ; Tien-Ju Yang ; Joel S. Emer

A Survey On Wireless Security: Technical Challenges, Recent Advances, And Future Trends
Yulong Zou ; Jia Zhu ; Xianbin Wang ; [Lajos Hanzo](#)

[Show All](#)

Related Magazines or Journals

Select participants will receive US\$20



Take a quick survey

Feedback

All [Search Icon]

ADVANCED SEARCH

Search within results [Search Icon]

Export | Set Search Alerts | Search History


Displaying 1 of 1 result for Soil Suitability Evaluation for Sawah in Sumani Watershed in West Sumatra Indonesia using Surfer Tool x

Conferences (1)

Show

- All Results
- Open Access Only

Select All on Page Sort By: Relevance

- Soil Suitability Evaluation for Sawah in Sumani Watershed in West Sumatra Indonesia using Surfer Tool** 
- Aflizar ; Elvin Hasman ; Agustamar ; A. Irwan ; Gusmalini ; Susena E.S. Weru ; Ismawardi ; Erprabawayudha ; Cornelius Idowu
- 2018 International Conference on Applied Science and Technology (iCAST)
- Year: 2018 | Conference Paper | Publisher: IEEE

Need Full-Text
access to IEEE Xplore for your organization?
CONTACT IEEE TO SUBSCRIBE >

Single Year Range

Abstract ((html)) PDF (301 Kb) CC

Feedback

Show

- All Results
- Open Access Only

Year

Single Year | **Range**

2018 | 2018

From: 2018 To: 2018

Author

- Elvin Hasman (1)
- Susena E.S. Weri (1)
- Erprabawayudha (1)
- Afizar (1)
- Cornelius Idowu (1)

Select All on Page Sort By: **Relevance**

Soil Suitability Evaluation for Sawah in Sumani Watershed in West Sumatra Indonesia using Surfer Tool 🔒

Afizar ; Elvin Hasman ; Agustamar ; A. Irwan ; Gusmalini ; Susena E.S. Weri ; Ismawardi ; Erprabawayudha ; Cornelius Idowu

2018 International Conference on Applied Science and Technology (iCAST)

Year: 2018 | Conference Paper | Publisher: IEEE

▶ Abstract ((html)) PDF (301 Kb) ©

Need Full-Text

access to IEEE Xplore for your organization?

CONTACT IEEE TO SUBSCRIBE >

New IEEE Open Access Journals




Feedback

- Author** ^
- Elvin Hasman (1)
 - Susena E.S. Weru (1)
 - Erprabawayudha (1)
 - Afizar (1)
 - Cornelius Idowu (1)
- Show More...

- Affiliation** ^
- Teknologi Pertanian, Politeknik Pertanian Negeri, Payakumbuh, Payakumbuh, Indonesia (1)
 - Tanaman Pangan, Politeknik Pertanian Negeri Payakumbuh, Payakumbuh, Indonesia (1)
 - Alarima Agriculture Depatment, Federal University of Agriculture, Abeokuta Nigeria, Abeokuta, Nigeria (1)

Publication Title v



Submit your paper today!
open.ieee.org

University of Agriculture, Abeokuta
Nigeria, Abeokuta, Nigeria (1)

Publication Title ^

- 2018 International Conference on Applied Science and Technology (ICAST) (1)

Publisher ^

- IEEE (1)

Conference Location ^

- Manado, Indonesia (1)

Publication Topics ^

- fertilisers (1)
- soil (1)



AFLIZAR
 Politeknik Pertanian Negeri Payakumbuh
 Teknologi Pertanian
 SINTA ID : 6197409
 Subjects/Areas:
 ID
 Ilmu Tanah

	1.36 Overall Score	0.19 3 Years Score	
	91 Overall Score V2	19.5 3 Years Score V2	0 Books
	44714 Rank in National	80311 3 Years National Rank	8 IPR
Scoring	19 Rank in Affiliation	56 3 Years Affiliation Rank	

- Overview
- Books
- IPR
- Network
- Rama Documents
- GS Documents
- WoS Documents
- Research
- Scopus Documents

Search..

Filter by type: [Journal](#) [Proceeding](#) [Book](#) [Other](#) [All](#)

Page 1 of 1 | Total Records : 2

Quartile	Publications	Citation
Q4	Characteristics and potential usage of dissolved silica in rice cultivation in Sumani Watershed, Sum Pertanika Journal of Tropical Agricultural Science vol: 39 issue : 4 2016-01-01 Journal	1
Q3	Effect of soil erosion and topography on distribution of cadmium (Cd) in Sumani watershed, west Suma MATEC Web of Conferences vol: 229 issue : 2018-11-14 Conference Proceedin	1

Page 1 of 1 | Total Records : 2

2 Documents Cited by 2 documents 8 co-authors Topics

Preview users can view an author's latest 10 documents. [View 81 references >](#)

[Set document alert](#)

Document title	Authors	Year	Source	Cited by
Effect of soil erosion and topography on distribution of cadmium (Cd) in Sumani watershed, west Sumatra, Indonesia <i>Open Access</i>	Aflizar, Aprisal, C.I., Alarima, C.I., Masunaga, T.	2018	MATEC Web of Conferences	1
View abstract Related documents				
Characteristics and potential usage of dissolved silica in rice cultivation in Sumani Watershed, Sumatra, Indonesia	Somura, H., Darmawan, Sato, K., (...), Aflizar, Masunaga, T.	2016	Pertanika Journal of Tropical Agricultural Science	1
View abstract Related documents				

Preview users can view an author's latest 10 documents.

[^ Top of page](#)

The data displayed above is compiled exclusively from documents indexed in the Scopus database. To request corrections to any inaccuracies or provide any further feedback, please use the [Author Feedback Wizard](#).