



Krissandi Wijaya &lt;kwijaya77@gmail.com&gt;

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**[ICMA2019] Validate Your Account**

1 message

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**ICMA-SURE Committee** <notifikasi@unsoed.ac.id>  
To: Krissandi Wijaya <kwijaya77@gmail.com>

Mon, Sep 30, 2019 at 12:32 PM

Krissandi Wijaya

You have created an account with 2nd International Conference on Multidisciplinary Approaches for Sustainable Rural Development (ICMA-SURE), but before you can start using it, you need to validate your email account. To do this, simply follow the link below:

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ICMA-SURE Committee

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SUMMARY | REVIEW |

Submission

Authors	Krissandi Wijaya, Purwoko Hari Kuncoro, Ardiansyah Ardiansyah, Poppy Arsil, Hildha Aryani		
Title	Spatial distribution of soil water content in potato horizontal-ridge profile under various ridge-dimensions		
Original file	<div>477-767-2-SM.PDF</div>	2019-10-21	
Supp. files	None		
Submitter	Krissandi Wijaya 		
Date submitted	October 21, 2019 - 06:33 AM		
Track	Life and Applied Science		
Director	Afik Hardanto  (Track Director)		

Status

Status	Paper In Review
Initiated	2019-10-21
Last modified	2019-10-21

Submission Metadata

Authors

Name	Krissandi Wijaya 
Affiliation	Study Program of Agricultural Engineering, Department of Agricultural Technology, Faculty of Agriculture, Jenderal Soedirman University Jl. dr. Soeparno Karangwangkal Purwokerto 53123
Country	—
Bio statement	—
Principal contact for editorial correspondence.	
Name	Purwoko Hari Kuncoro 
Affiliation	Study Program of Agricultural Engineering, Department of Agricultural Technology, Faculty of Agriculture, Jenderal Soedirman University Jl. dr. Soeparno Karangwangkal Purwokerto 53123
Country	—
Bio statement	—
Name	Ardiansyah Ardiansyah 
Affiliation	Study Program of Agricultural Engineering, Department of Agricultural Technology, Faculty of Agriculture, Jenderal Soedirman University Jl. dr. Soeparno Karangwangkal Purwokerto 53123
Country	—
Bio statement	—
Name	Poppy Arsil 
Affiliation	Study Program of Agricultural Engineering, Department of Agricultural Technology, Faculty of Agriculture, Jenderal Soedirman University Jl. dr. Soeparno Karangwangkal Purwokerto 53123
Country	—
Bio statement	—
Name	Hildha Aryani 
Affiliation	Study Program of Agricultural Engineering, Department of Agricultural Technology, Faculty of Agriculture, Jenderal Soedirman University Jl. dr. Soeparno Karangwangkal Purwokerto 53123
Country	—
Bio statement	—

Title and Abstract

Title	Spatial distribution of soil water content in potato horizontal-ridge profile under various ridge-dimensions
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Abstract

Vertical (slopping)-ridge is generally applied to cultivate potato crop in tropical l and environmental degradation tend to be significantly accelerated. On the othe has been very effective in reducing the soil erosion in the potato field, but yet sl crop production, due to the waterlogging in the ridge profile. Dimension of the h affect water distribution as well as the waterlogged condition, on which a specif order to develop an appropriate drainage technique on the ridge. This study wa distribution of soil water in the horizontal-ridge profile under various ridge-dime 300x300 cm<sup>2</sup> with 5% slope were prepared in Serang village, Purbalingga with replications of the horizontal ridges: 30x30x30 cm<sup>3</sup> (HR30), 30x40x30 cm<sup>3</sup> (HR Of each plot, the dielectrically (volumetric)-water content of the horizontal-ridge at the depth of 5, 10, and 20 cm were measured every months using EC5-mois logger, and then averaged. The measured data were plotted in contour pattern semivariogram (Gstat-GNUplot) to characterize the spatial distribution and vari showed that the spatial distribution of dielectrically (volumetric)-water contents each ridge dimension, and the data were increased with soil-depth and ridge-di the data were spatially-correlated with *sill* (*C*, *semivariance*) ranged from 0.001 *influence* (*a*) ranged from 0.62-2.81 m, in which the HR50 had most stable tren soil-depth (*C*=0.003 cm<sup>3</sup>cm<sup>-3</sup> and *a*=1.49-1.55 m) among others. Thus, the rang suitable drainage interval in the potato horizontal ridge system.

**Keywords:** Horizontal ridge; potato crop; ridge dimension; soil water content; s

Indexing

Language en

Supporting Agencies

Agencies —

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SUMMARY | ABSTRACT REVIEW | PAPER REVIEW |

Submission

Authors	Krissandi Wijaya, Purwoko Hari Kuncoro, Ardiansyah Ardiansyah, Poppy Arsil, Hildha Aryani
Title	Spatial distribution of soil water content in potato horizontal-ridge profile under various ridge-dimensions
Track	Life and Applied Science
Director	Afik Hardanto

Peer Review

Review Version	477-768-1-RV.PDF	2019-10-21
Initiated	—	
Last modified	—	
Uploaded file	None	
Director Version	None	
Author Version	None	

Director Decision

Decision	—	
Notify Director	Director/Author Email Record	
Director Version	None	
Author Version	None	
Upload Author Version	Choose File No file chosen	Upload

Layout

Galley Format	FILE	VIEWS
	None	
Supplementary Files	FILE	
	None	





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**[ICMA2019] Submission Acknowledgement**

2 messages

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**ICMA-SURE Committee** <notifikasi@unsoed.ac.id>  
To: Krissandi Wijaya <kwijaya77@gmail.com>

Mon, Sep 30, 2019 at 3:48 PM

Krissandi Wijaya:

Thank you for your submission, "Spatial distribution of soil water content in potato horizontal-ridge profile under various ridge-dimensions" to 2nd International Conference on Multidisciplinary Approaches for Sustainable Rural Development (ICMA-SURE). With the online conference management system that we are using, you will be able to track its progress through the editorial process by logging in to the conference web site:

Submission URL:

<https://conference.unsoed.ac.id/index.php/icma/ICMA2019/author/submission/474>

Username: kwijaya

If you have any questions, please contact me. Thank you for considering this conference as a venue for your work.

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2nd International Conference on Multidisciplinary Approaches for Sustainable Rural Development (ICMA-SURE)

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**ICMA-SURE Committee** <notifikasi@unsoed.ac.id>  
To: Krissandi Wijaya <kwijaya77@gmail.com>

Mon, Sep 30, 2019 at 4:29 PM

Krissandi Wijaya:

Thank you for your submission, "Spatial distribution of soil water content in potato horizontal-ridge profile under various ridge-dimensions" to 2nd International Conference on Multidisciplinary Approaches for Sustainable Rural Development (ICMA-SURE). With the online conference management system that we are using, you will be able to track its progress through the editorial process by logging in to the conference web site:

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[Quoted text hidden]



Krissandi Wijaya &lt;kwijaya77@gmail.com&gt;

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**[ICMA2019] Editorial Decision on Abstract**

1 message

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**Afik Hardanto** <notifikasi@unsoed.ac.id>  
To: Krissandi Wijaya <kwijaya77@gmail.com>

Tue, Oct 1, 2019 at 2:32 PM

Krissandi Wijaya:

Congratulations, your abstract Spatial distribution of soil water content in potato horizontal-ridge profile under various ridge-dimensions has been accepted for presentation at 2nd International Conference on Multidisciplinary Approaches for Sustainable Rural Development (ICMA-SURE) which is being held 2019-11-19 at Purwokerto. You may now submit your paper for further review.

Thank you and looking forward to your participation in this event.

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Krissandi Wijaya &lt;kwijaya77@gmail.com&gt;

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**[ICMA2019]**

1 message

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**Norman A Prayogo** <notifikasi@unsoed.ac.id>  
To: Krissandi Wijaya <kwijaya77@gmail.com>

Mon, Oct 14, 2019 at 12:14 AM

Dear ICMA SURE participant,

pelase submit your full paper before october 20, 2019 for iop proceeding  
publish this year.

Thank you very much.

Dr. Norman Arie Prayogo, M.Si  
Conference manager

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**[ICMA2019]**

1 message

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**Norman A Prayogo** <notifikasi@unsoed.ac.id>  
To: Krissandi Wijaya <kwijaya77@gmail.com>

Fri, Oct 18, 2019 at 8:01 PM

Dear icma participant

For your information, this is the instruction for the payment conference:

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2. Choose conference registration
3. Choose registration type (earlybird, unsoed, and non unsoed)
4. Choose register
5. Commite build invoice for your payment

Thank you very much

Regards

Norman arie prayogo

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**[ICMA2019] Submission Upload Acknowledgement**

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**ICMA-SURE Committee** <notifikasi@unsoed.ac.id>  
To: Krissandi Wijaya <kwijaya77@gmail.com>

Mon, Oct 21, 2019 at 1:33 PM

Krissandi Wijaya:

Thank you for uploading your presentation, "Spatial distribution of soil water content in potato horizontal-ridge profile under various ridge-dimensions" to 2nd International Conference on Multidisciplinary Approaches for Sustainable Rural Development (ICMA-SURE). With the online conference management system that we are using, you will be able to track its progress through the editorial process by logging in to the conference web site:

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Username: kwijaya

If you have any questions, please contact me. Thank you for considering this conference as a venue for your work.

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Krissandi Wijaya &lt;kwijaya77@gmail.com&gt;

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**[ICMA2019] - Program Book**

1 message

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**Amin Fatoni** <notifikasi@unsoed.ac.id>  
To: Krissandi Wijaya <kwijaya77@gmail.com>

Mon, Nov 18, 2019 at 5:36 AM

Dear ICMA-SURE 2019 Presenter,

The ICMA-SURE 2019 Program Book can be download here:

<https://s.id/icmeasure2019>ICMA-SURE 2019 Committee  
[email:icmeasure.unsoed@gmail.com](mailto:icmeasure.unsoed@gmail.com)

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Krissandi Wijaya &lt;kwijaya77@gmail.com&gt;

**[ICMA-SURE 2019] Publication Fee for IOP Proceeding**

1 message

**ICMASure Unsoed** <icmasure.unsoed@gmail.com>

Wed, Jan 15, 2020 at 12:19 PM

To: Krissandi Wijaya &lt;kwijaya77@gmail.com&gt;

Cc: rifda.naufalin@unsoed.ac.id, mukhtar.effendi@unsoed.ac.id

Dear Authors,

The scientific committee has completed its review of your paper submitted for 2<sup>nd</sup> International Conference on Multidisciplinary Approaches for Sustainable Rural Development (2<sup>nd</sup> ICMA-SURE 2019). The final decision is made base on the peer-review report, the scientific merits and the relevance.

We are pleased to inform you that your paper as follow has now been accepted by the Scientific committee and published in international journal "IOP Conference Series: Earth and environmental Science (EES) (Online ISSN: 1755-1315 Print ISSN: 1755-1307). Furthermore, the information of the papers publication fees and payment methods can be seen in the attachment.

Paper ID	474
Title	Spatial distribution of soil water content in potato horizontal-ridge profile undervarious ridge dimensions
Authors	Krissandi Wijaya, Purwoko Hari Kuncoro, Ardiansyah, Poppy Arsil, and Hilda Aryani

Best regards,

The Committee of ICMA-SURE LPPM Unsoed 2019

**krissandi\_wijaya.pdf**

805K