ICSARD 2018
INTERNATIONAL CONFERENCE ON SUSTAINABLE AGRICULTURE FOR RURAL DEVELOPMENT 2018
Faculty of Agriculture, Jenderal Soedirman University
Purwokerto - Indonesia

ACCEPTANCE LETTER

21 September 2018

Dear Nur Prihatiningsih
Jenderal Soedirman University, Indonesia
Paper ID: 109

The INTERNATIONAL CONFERENCE ON SUSTAINABLE AGRICULTURE FOR RURAL DEVELOPMENT (ICSARD) 2018 committee inform you that the abstract entitled:

BIO-MANAGEMENT OF ANTHRACNOSE DISEASE IN CHILLI WITH MICROENCAPSULATES CONTAINING BACILLUS SUBTILIS B298

has been accepted for Oral Presentation based on the peer-review by the technical committee of ICSARD 2018, which will be held on 23-24 October, 2018 at Java Heritage Hotel, Purwokerto - Indonesia. The abstract will be appeared in the book of abstracts and be available for all participants at the conference. We would like to thank for your participation in the ICSARD 2018 and look forward to seeing you in Purwokerto - Indonesia.

Best regards,

Susanto Budi Sulistyo, PhD.
Chairman of ICSARD 2018 Committee

BIO-MANAGEMENT OF ANTHRACNOSE DISEASE IN CHILLI WITH MICROENCAPSULATES CONTAINING *Bacillus subtilis* B298

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ABSTRACT

Anthracnose is one of disease which able to reduce quality and quantity up to 75% of chilli and other crops. The causal agent of anthracnose disease is *Colletotrichum* sp. The objectives of this research were to evaluate the *Bacillus subtilis* B298 strain as antagonist of *Colletotrichum* sp. pathogens in vitro, and to evaluate the ability of mikroencapsulate *B. subtilis* B298 strain formula to suppress anthracnose disease of chilli in the fields. Methods for antagonism test of *B. subtilis* B298 against *Colletotrichum* sp. was conducted by dual culture on potato dextrose agar medium. Microencapsulates formula 2g. L^{-1} of *B. subtilis* B298 spray was used as control of anthracnose disease in the fields. The four treatments was arranged by Randomized Completely Block Design consist of control, *B. subtilis* B298, fungicide, and combination of *B. subtilis* B298 and fungicide with six replication. The measured variable in vitro was inhibition percentage, and that of in field were, disease intensity infection rates and plant total phenol. Results showed that *B. subtilis* B298 strain inhibited 56% growth of *Colletotrichum* sp. in vitro, microcapsulated *B. subtilis* B298 reduced disease intensity by 48% with infection rates 0,02 unit.day^{-1}. Microencapsulated *B. subtilis* B298 induced plant systemic disease resistance on chilli as total phenol of the treated plant increased.

Keyword: anthracnose, *B. subtilis* B298 microencapsulates, chilli, biocontrol, *Colletotrichum* sp.

Abstract Review Form

The International Conference on Sustainable Agriculture for Rural Development 2018 (ICSARD2018)

Paper ID	**109**
Title of paper	BIO-MANAGEMENT OF ANTHRACNOSE DISEASE IN CHILLI WITH MICROENCAPSULATES CONTAINING *Bacillus subtilis* B298

Please rate each aspect of the abstract in scale from 1 to 10 points where 1 is very poor and 10 is the best. If in particular abstract some of the aspects are not applicable, please mark as NA (not applicable). For each evaluation aspect comments are welcome, especially if valuation is less than 8. Your comments will help to improve quality of the conference papers.

No.	Evaluation aspects	Points
1	The topic of this abstract is relevant for the conference and submitted track. (1 – completely irrelevant, 10 - very relevant) Comment:	9
2	The extended abstract contains well defined aim and tasks of the research. (1 - unsatisfactory, 10 - completely) Comment:	9
3	The research methodology for the study is appropriate. (1 – completely inappropriate, 10 – very appropriate) Comment:	8
4	The supporting evidence in this study is strongly reliable (1 – completely unreliable, 10 - very reliable or NA) Comment:	9
5	The results of analysis are correctly interpreted. (1 - very poor, 10 - very well) Comment:	9
6	The conclusions are sound. (1 - very poor, 10 - very well) Comment:	9
7	The abstract is free from grammatical and spelling errors (1 - very poor, 10 - very well) Comment:	9
8	The probability that research will stimulate debate at the conference is (1 - very small, 10 - very high) Comment:	9

Suggestions for improvement	
The research methodology should be explained more detail	
Reviewer's recommendation: check one (please tick √ in the appropriate box).	
Accept	√
Accept with minor revisions (state in "Suggestions for improvement")	
Invite resubmission for a new review after major revisions	
Reject	

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SURAT TUGAS

Nomor : 7971/UN23.01/DL.07/2018

Berdasarkan : Surat dari Ketua Panitia Seminar Internasional (ICSARD) 2018, yang diselenggarakan Fakultas Pertanian Unsoed tanggal 21 September 2018, perihal Permohonan Mengikuti Seminar Internasional, maka perlu dibuatkan Suat Tugas.

Dekan Fakultas Pertanian Unsoed memberikan tugas kepada :

Nama : Dr. Ir. Nur Prihatiningsih, MS.
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Untuk : Menjadi Pemakalah Oral dalam acara Seminar Internasional dengan Judul Makalah "*Bio-management of Anthracnose Disease in Chilli with Microencapsulates Containing Bacillus subtilis B298*" yang diselenggarakan pada hari Selasa - Rabu, tanggal 23 - 24 Oktober 2018 di Hotel Java Heritage.

Surat Tugas ini dibuat untuk dilaksanakan dengan penuh tanggung jawab.

Tanggal : 23 Oktober 2018

Dekan,

Dr. Ir. Anisur Rosyad, MS.
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