

AGRIVITA

JOURNAL OF AGRICULTURAL SCIENCE

ACCREDITED BY DIRECTORATE GENERAL OF HIGHER EDUCATION
THE MINISTRY OF EDUCATION AND CULTURE, REPUBLIC OF INDONESIA
No. 81/DIKTI/Kep/2011

VOLUME 38

JUNE-2016

NUMBER: 2

ISSN NO. 0126-0537

TABLE OF CONTENTS

Spatial Multi-Criteria Decision Making for Delineating Agricultural Land in Jakarta Metropolitan Area's Hinterland: Case Study of Bogor Regency, West Java <i>Widiatmaka, Wiwin Ambarwulan and Sudarsono</i>	105
Impacts of Fertilizer Application on Soil Properties at Kaharole Upazila of Dinajpur District in Bangladesh <i>Dhurbo Ronjon Roy, Md. Sirajul Islam, Bikash Chandra Sarker, Tanmoy Roy Tusher, Md. Humayun Kabir, Muliadi and Shamim Al Mamun</i>	116
Rice Ratoon Yield Response to Main Crops Cutting Height in Tidal Swamp Using Direct Seeding System <i>Evriani Mareza, Zainal Ridho Djafar, Rujito Agus Suwignyo and Andi Wijaya</i>	126
Effects of Organic and Chemical Fertilizer Inputs on Biomass Production and Carbon Dynamics in A Maize Farming on Ultisols <i>Maswar and Yoyo Soelaeman</i>	133
The Potential of Treated Palm Oil Mill Effluent (Pome) Sludge as An Organic Fertilizer <i>Mohd. Nizar Khairuddin, Abdul Jamil Zakaria, Isharudin Md. Isa, Hamdan Jol, Wan Mohd. Nazri Wan Abdul Rahman and Mohd. Kamarul Syahid Salleh</i>	142
Utilization of cpDNA Sequences to Identify 15 Mango Accessions <i>Sukartini, Taryono, Panjisakti Basunanda and Rudi Hari Murti</i>	155
Roles of Calcium and Magnesium as Selection Factors in Sweet Corn Quality Improvement on Acidic Red-Yellow Podsollic Soil <i>Saiful Hikam and Paul B. Timotiwu</i>	163
Composition and Distribution of <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> Pathotypes, the Pathogen of Rice Bacterial Leaf Blight in Indonesia <i>Sudir and Dini Yuliani</i>	174
Identification of Potential Entomopathogenic Fungi of <i>Tetranychus kanzawai</i> Kishida (Tetranychidae: Acarina) Using ITS-5.8s rDNA Region as Molecular Marker <i>Yayan Sanjaya, Virginia R. Ocampo and Barbara L. Caoili</i>	186
Dry Land Agroforestry Practices in Menoreh Hills, Kulon Progo <i>Aditya Hani, Yonky Indrajaya, Priyono Suryanto and Budiadi</i>	193
Marssonina Leaf Blotch on the Apple Orchard in Batu, Indonesia <i>Ika Rochdjatun Sastrahidayat and Hery Nirwanto</i>	204

ISSN: 0126-0537 (Printed-Indonesia)
ISSN: 2302-6766 (Printed-English)
E-ISSN: 2477-8516 (Electronic)

AGRIVITA

**Accredited by Decree of The Directorate General of Higher Education
The Ministry of Education and Culture, Republic of Indonesia No: 81/DIKTI/Kep/2011
Indexed in Elsevier Product (Scopus), Proquest, International Scientific Indexing (ISI),
Directory of Open Access Journal (DOAJ) and Google Scholar**

Agrivita is Journal of Agricultural Science (AJAS) publishes articles in plant science such as agronomy, horticulture, plant breeding, soil-plant sciences and pest or disease-plant sciences and has been not published at least five years old. Published by Faculty of Agriculture University of Brawijaya Indonesia in collaboration with Indonesian Agronomy Association (PERAGI).

Editor in Chief

Kuswanto

Editorial Board

Moch. Dawam Maghfoer
Budi Prasetya
Hagus Tarno

Technical Editor

Silvia Santi Wahyuni

Administrator

Endah Apriliani
Aini Nur Laila

Banking

Andik Yudianto, Bank Negara Indonesia (BNI Bank) Branch of Malang, Acc No. 0254013689
Swift Code : BNINIDJA

EDITORIAL ADDRESS

Faculty of Agriculture University of Brawijaya
Jl. Veteran Malang 65145 East Java Indonesia Phone/Fax: +62-341-575743
E-mail : agrivita@ub.ac.id, agrivitaaperta@yahoo.com, agrivitaaperta@gmail.com
Website: <http://www.agrivita.ub.ac.id>

Publication Schedule

AGRIVITA, journal of agricultural science publish three times in a year (February, June and October)

Manuscript Submission

Manuscript should be written in MS words format. Figure, illustration and picture included in the manuscript file. Send the manuscript directly to <http://www.agrivita.ub.ac.id>

Manuscript Publishing

Feasible manuscript was determined by Editorial Board after obtaining recommendations from peer reviewer. Manuscript revision is author responsibility and manuscripts that are not feasible will be returned to the author.

**Editorial Board would like to thank to peer reviewer who has been invited
by Agrivita Journal of Agricultural Science Volume 38 number 2, 2016**

Dr. Laurent Barbiero
(Biological Sciences/Ecology - Institute de Recherche pour le Développement (IRD), France)

Dr. Widiatmaka
(Soil Science and Land Resources - Bogor Agricultural University Indonesia)

Rikiya Endoh, Ph.D
(Microbial Resources (Yeasts) - Japan Collection of Microorganisms)

Hagus Tarno, Ph.D
(Plant Protection - University of Brawijaya Indonesia)

Patcharin Tanya, Ph.D
(Agronomy - Kasetsart University Thailand)

Prof. Tualar Simarmata
(Soil Science - Universitas Padjadjaran Indonesia)

Prof. Triwidodo Arwiyanto
(Plant Pathology/Plant Bacteriology - Gadjah Mada University Indonesia)

Prof. Ayman M.H. Esh
(Plant Pathology - Sugar Crops Research Institute Egypt)

Prof. Yusnita
(Biotechnology - University of Lampung Indonesia)

Dr. Oteng Haridjaja
(Soil and Water Conservation - Bogor Agricultural University Indonesia)

Mohammad Zahirul Islam, Ph.D
(Plant Physiology - Agriculture and Life Sciences Research Institute South Korea)

Mirza Hasanuzzaman, Ph.D
(Plant Physiology - Sher-e-Bangla Agricultural University Bangladesh)

Prof. Syekhfani
(Soil Chemistry - University of Brawijaya Indonesia)

Prof. Didi Ardi Suriadikarta
(Biology and Soil Fertility - Indonesian Soil Research Institute)

Prof. Kuswanto
(Plant Breeding - University of Brawijaya Indonesia)

Kurniawan Budiarto, Ph.D
(Genetic and Plant Breeding - Indonesian Ornamental Crops Research Institute)

Dr. Akhbar
(Forestry - Tadulako University Indonesia)

Dr. Budi Prasetya
(Soil Science - University of Brawijaya Indonesia)

Dr. Moch. Dawam Maghfoer
(Plant Physiology - University of Brawijaya Indonesia)

Nunun Barunawati, Ph.D
(Biotechnology - University of Brawijaya Indonesia)

Affandi, M.Sc.
(Plant Protection - Indonesian Tropical Fruit Research Institute)

Dr. Panca Jarot Santoso
(Plant Breeding - Indonesian Tropical Fruit Research Institute)