

PERHIMPUNAN FITOPATOLOGI INDONESIA

(The Indonesian Phytopathological Society)

Gedung HPT, Fakultas Pertanian, Universitas Brawijaya, Jl. Veteran, Malang - 65145, INDONESIA. Email: kongrespfi2021@ub.ac.id

PRESENTATION SCHEDULE

Day 2: October 30th, 2021

Each presenter has 15 minutes in total with 10 minutes for presentation and 5 minutes for discussion Between sessions, there are 5 minutes for a break

ROOM I: BACTERIOLOGY

BAC	BACTERIOLOGY: SESSION 1			
Mod	Moderator: Irda Safni, SP., MCP. Ph.D			
Time	e : 08.00	0 - 09.00		
ID	ID Presenter Abstract			
1A	Arik A.	Immunodominant Membrane Protein (IDPs) And Actin Molecular		
	Fatinah	Mechanisms In The Phytoplasmic Host Determination Process: An In Silico		
		Study		
2A	Triwidodo	Current Problem and Progress in the Control of Solanaceous Bacterial Wilt		
	Arwiyanto	caused by Ralstonia solanacearum in Indonesia		
	Č			
4A	Sri Sudewi	Siderophore Production Of The Rhizobacteria Isolated From Local "Kamba"		
		Rice Plants, Poso Regency In Central Sulawesi		

BACTERIOLOGY, SESSION 2 Moderator : Prof. Dr. Ir. Triwidodo Arwiyanto, M.Sc Time : 09.05 - 10.05				
ID	ID Presenter Abstract			
5A	Zurai Resti	Endophytic Bacteria as Biological Control of Leaf Spot Disease (Culvularia Oryzae) And Promote The Growth Of Rice		
6A	Mahallal Jihad	Production And Characterization Of Bacterial Chitinase Activities That Can Inhibit The Growth Of <i>Fusarium Proliferatum</i>		
7A	Yulmira Yanti	Screening And Characterization Of Plant Growth-Promoting Bacteria In The Rhizosphere And Endosphere Of Shallots		



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8A	Ratnawati	Inventory Of Endophytic Microbes Origin Of Various Ecosystems In Central Sulawesi
		Suidwesi

BACTERIOLOGY, SESSION 3 Moderator : Dr. Radix Suharjo, SP., M.Agr. Time : 10.10 - 11.10		
ID	Presenter	Abstract
10A	Arika Purnawati	Potential Of Endophytic Bacterial From Eggplat To Ralstonia Solanacearum On Tomato Plant In Lowland
11A	Luckyta Anjasari	Formulation Of Bacillus subtilis JB12 As Antagonist Agent Xanthomonas axonopodis pv. glycines With Legume Flour As A Carrier

BACTERIOLOGY, SESSION 4

Moderator: Dr. Ir. Nur Prihatiningsih, MS

Time	: 11.1:	5 - 12.15
ID	Presenter	Abstract
12A	Lisa Navitasari	Rhizobacteria In <i>Ralstonia Solanacearum</i> Resistant Tomato Varieties Decrease Bacterial Wilt Disease Intensity
13A	Gallyndra Fatkhu Dinata	Induced Systemic Resistance By Consortium Of Plant Growth-Promoting Bacteria In Shallot
14A	Radix Suharjo	Potential Of Some Antagonistic Bacteria To Inhibit Growth And Disease Development Caused By <i>Dickeya Zeae</i> , The Causal Agent Of Bacterial Stalk Rot Of Corn



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ROOM II: BIOTECHNOLOGY IN PLANT PATHOLOGY

BIOTECHNOLOGY, SESSION 1 Moderator: Dr. Tri Joko, SP., MSc Time : 08.0 - 09.00 Presenter ID Abstract Phellinus noxious Could Generate Root Rot Disease In Oil Palm 1B Maria Sugiharti **2B** Muhammad Crispr/Cas System For Enhancing Plant Resistance Against Viral Pathogens: A Review lutfi Effector Repertoar Of Fusarium oxysporum f.sp cubense **3B** Sri Widinugraheni **4B** Rizkita Rachmi Plant Responses Towards A Vascular Wilt Pathogen Observed In **Esyanti** Banana Cultivars Mas Kirana (*Musa Acuminata*, Aa Group) And Kepok (Musa Paradisiaca, Abb) Infected With Fusarium Oxysporum F. Sp. Cubense TR4

BIOTECHNOLOGY, SESSION 2

Moderator: Hardian Susilo Adi, SP., MP., PhD

Time : 09.05 - 10.05

11me : 09.05 - 10.05		
ID	Presenter	Abstract
5B	Meutia Alifia	The Effect Of Treatment Of Pruning And Management Of Coffee Pinus Agrophorestry On The Population And Diversity Of The Iaa Hormone Producing Rizosphere Mushrooms In Educational Forest Ub Malang
6B	Haryuni	Effect Of Manure And Rice Husk Dosage To Proline And Growth By Binucleate Rhizoctonia- Induced Vanilla Plant
7B	Endang Nurcahyani	Analysis Of Resistance And Specific Character Plantlets Cassava (Manihot Esculenta Crantz.) Results Induced Resistance Against Fusarium Wilt
8B	Fifi Puspita	Test Several Doses Of Biofungicide Tablets With Active Ingredients From The Consortium Of Trichoderma Spp. Endophytes To Control Phytophthora Palmivora In Cocoa Seedlings



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BIOTECHNOLOGY, SESSION 3

Moderator : Dr. Ir. Yuliantoro Baliadi, MS.

Time : 10.10 - 11.10

ID	Presenter	Abstract
9B	Muslihah	Dna Probes For Tomato Bacterial Biosensors
	Nur	
	Hidayati	
10B	Alfi	Changes In Metabolic Profile Of Mung Bean (Vigna radiata (L.) Wilczek)
	Inayati	Seedling During The Interaction With Rhizoctonia Solani And Trichoderma
		Virens
11B	Wulan	Bioinformatics Study For Designing Guide RNAs (gRNAS) in CRISPR/Cas9
	Arum	System Based On xa13 Gene Sequences In Varieties Of Rice (Oryza sativa)
	Hardiya	
	ni	
12B	Henny	The Entomopathogenic Nematodes Role and Effect on The Existence of
	Hendarja	Infected Oryctes rhinoceros Larvae in the Palm Oil Rhizosphere in Rokan
	nti	Hulu District, Riau Province

BIOTECHNOLOGY, SESSION 4

Moderator: Dr. Irisa Trianti, SP. MP. M.Sc.

Time : 11.15 – 12.15

111110		
ID	Presenter	Abstract
13B	Yuliantoro Baliadi	Intra-Uterine Birth Causing Maternal Death (Endotokia Matricida), The Alternative Life Cycle Strategy Of Entomopathogenic Nematodes In The Genus Heterorhabitis And Steinernema
14B	Fitrianingrum Kurniawati	Characterization Of <i>Ditylenchus destructor</i> From Bulb Garlic In Indonesia
15B	Muhammad Iqbal Maulana	The Host-Parasite Supergenome: An Untapped Source For Disease Resistance



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ROOM III: MYCOLOGY 1

MYCOLOGY 1, SESSION 1

Moderator: Dr. Ir. Arif Wibowo M.Agr.Sc

Time : 08.00 - 09.00

ID	Presenter	Abstract
1C	Arthur Pinaria	Population Diversity of <i>Fusarium oxysporum</i> f.sp. vanillae from North Sulawesi Province, Indonesia
2C	Arifin Tasrif	Current Status on Distribution of Leaf Curf Disease (<i>Helminthosporium solani</i> Durie & Mont) in Indonesia
3C	Ade Rosmana	Fusarium and Lasiodiplodia complex as the causal agents of cacao stem cancer and trial their control by using fungal endophytes in vitro
4C	Alfizar	Endophytic and exophytic fungi from the the lower part of pseudostem banana from Aceh. Morphological characteristics and their potential in inhibiting Fusarium wilt disease in vitro

MYCOLOGY 1, SESSION 2

Moderator : Dr. Ir. Sri Wiyatiningsih MP.

Time : 09.05–10.05

ID	Presenter	Abstract
5C	Aisyah	Production of Simplicia Biomass of Cat Whiskers with Fertilization of Indigenous Arbuscular Mycorrhizal Fungi (AMF) and N & P on Harvest Rotation Differences
6C	Septi Dian Astuti	The Effect Of Arbuscular Mycorrhizal Fungal Propagule To Suppress Fusarium Oxysporum On Local Garlic Plant Variety (Lumbu Hijau)
	Anggraeni	
7C	Dono Wahyuno	Puccinia psidii Is A Causal Agent Of Rust Disease Of Syzygium Species In Indonesia
8C	M. Ace Suhendar	Screening of resistance to rice genetic resources against blast disease

MYCOLOGY 1, SESSION 3

Moderator: Dr. Ir. Dono Wahyuno

Time : 10.10 - 11.10

ID	Presenter	Abstract
9C	Ani	Colletotrichum scovilei in Chili Antrachnose and Its Pathogenicity
	Widiastuti	
10C	Endah	Pathogen Characteristic Of Leaf Spot Causing Symptom Suspected As
	Yulia	Blast Disease On Grass Weeds: Identification, Pathogenicity And Its Status
		On Rice Plants



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11C	Hertina Artanti	Induce Resistance Shallot Against Fusarium Wilt With Trichoderma Sp. And Arbuscular Mychorrizal Fungi
12C	Arif Wibowo	Molecular Identification And Morphological Variation Of <i>Alternaria Solani</i> Causal Agent Of Early Blight Disease Of Tomato

MYCOLOGY 1, Session 4

Moderator: Nurul Hidayah, S.P., M.Si., Ph.D

Time : 11.15 – 12.15

ID	Presenter	Abstract
13C	Miratun	Effect Of Temperature And Culture Medium
	Karmila	On The Growth Of Pythium Ultimum And Phytopythium Vexans
14C	Ali Wafa	Utilizing Of Endhopytic Fungal For Reducing The <i>Echinochloa Crus-Galli</i> Allelopath Effect On Rice
15C	Roosmarrani	Molecular Identification Of Mycoparasites
	Setiawati	Associated With <i>Hemileia Vastatrix</i> , The Causal Pathogen Of Coffee Leaf Rust Disease In Indonesia
16C	Hersanti	Ability Of Trichoderma Harzianum Mixed With Nano Silica To Induce Resistance Of Shallots To Purple Spot Disease {Alternaria Porri (Ell.) Cif}



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ROOM IV: MYCOLOGY 2

MYCOLOGY 2, SESSION 1. Moderator: Dr. Alfi Inayati SP. MP

: 08.00 - 09.00Time

ID	Presenter	Abstract
1D	Bayo Alhusaeri Siregar	Pathogen Identification And Control Of Quambalaria Leaf And Shoot Blight Disease On <i>Eucalyptus Pellita</i>
2D	Umi Kulsum	Forecasting Model Of Rice Blas Disease (Pyricularia oryzae)
3D	Suwandi	Infection Interference of <i>Ganoderma boninense</i> on Oil Palm Seedling by Taro Plants
4D	Sri Wahyuni Budiarti	Effect Of Environmental Conditions On Mycelial Growth In Different Isolates Of <i>Rhizoctonia Solani</i> Causing Banded Leaf And Sheath On Maize

MYCOLOGY 2, SESSION 2.

Moderator: Endah Yulia, S.P., M.Sc., PhD

Wiodefator . Elidair Falia, 5.1., Wi.Sc., 1112		
Time : $09.05 - 10.05$		
ID	Presenter	Abstract
5D	Sumartini	Detection Seedborn Fungi on Soybean
שפ	Sumarum	Detection Seedooni Fungi on Soybean
6D	Mansyah	Testing The Effectiveness Of Hexaconazol Active Ingredients Fungicide To
-	Siregar	Inhibit The Development Of Leaf Fall Disease (<i>Pestalotiopsis</i> Sp.) On
	Siregai	1 1 1 1
		Rubber Trees (<i>Havea Brasiliensis</i>) From Toru And Betsy Bandar Estate
7D	Herry	Distribution Of Downy Mildew (<i>Peronosclerospora Maydis</i>) On Corn Plants
	Nirwanto	Based On Geospatial Approach On Puri Village, Mojokerto District
	1 vanto	Based On Geospatial Approach On Full village, Wojokerto District
8D	Mutia Erti	Prospects Of Botanical Agents For Control Of Post-Harvest Diseases Of
OD		
	Dwiastuti	Citrus And Other Subtropics Fruits In Indonesia



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MYCOLOGY 2, SESSION 3.

Moderator: Dr. Ir. Herry Nirwanto, MP

Time : 10.10 - 11.10

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ID	Presenter	Abstract
9D	Ni'matuljannah Akhsan	Isolation of Entomopathogenic Fungi and their Pathogenicity Test
10D	Eka Wisdawati	Disease Severity Of Safira Taro Leaf Blight (<i>Phytophthora Colocasiae</i>) In South Sulawesi
11D	R. Soelistijono	The Effect Of Using Rhizoctonia Mycorrhizae And Watering Intervals On Vegetative Growth Of Dendrobium Violaceoflavens Seedling Against Water Stress

MYCOLOGY 2, SESSION 4.

Moderator: Dr. Anton Muhibuddin, SP, MP

Time : 11.15 – 12.15

	. 11.10	12.110
ID	Presenter	Abstract
13D	Tunjung	Induce Resistance Of Chilli Plants To Fusarium Wilt Disease By
	Pamekas	Application Of Endophytic Fungi
14D	Muhammad Nurdin	Fungal Detection In Four Rice Seed Varieties From Rice Seed Producer In Lampung
15D	Abdul Latief Abadi	Potential Test of <i>Trichoderma</i> sp. Fungus as In-Vivo Bioremediator of Mancozeb Fungicide on Potato Plants



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ROOM V: PLANT DISEASE MANAGEMENT 1

PLANT DISEASES MANAGEMENT 1, SESSION 1

Moderator: Antok Wahyu Sektiono, SP., MP

Time : 08.00 - 09.00

ID	Presenter	Abstract
1E	Safira	Quorum Quenching Activity Of Rhizosphere Bacteria From Soil In Bumiaji,
	Rizki	Batu City, East Java Inhibiting <i>Pectobacterium carotovorum</i> Virulence In
	Lestari	Daucus carota L.
2E	Joko	Effect Of Trichoderma Asperellum And Black Curcuma Extract On
	Prasetyo	Downy Mildew And The Growth Of Corn Plant
3E	Yusmar	Uji Beberapa Konsentrasi Ekstrak Biji Pinang (Areca Catechu L.) Dalam
	Mahmud	Mengendalikan Hama Larva Kumbang Tanduk (Oryctes Rhinoceros) Pada
		Tanaman Kelapa Sawit
4 E	Riza Ulil	Leaf Extract Of Pagoda Flower And Leaf Extract Of Spine Spinach For
	Fitria	Suppressing The Development Of Pest And Disease In Chilli

PLANT DISEASES MANAGEMENT 1, SESSION 2

Moderator: Ir. Sopialena, MP., Ph.D

Time	e : 09.05 – 10.05	
5E	Wiwiek Sri Wahyuni	Control of Rice Blast Disease with MoL suspension in Gumukmas, Jember
6E	Andi Khaeruni	Biological Control Of Rot Root Disease (<i>Phytophthora palmivora</i>) On Cocoa Plant In The Nursery Using Endophytic Bacteria
7E	Loekas Soesanto	Effervescent Tablet Formulation of <i>Trichoderma harzianum</i> Secondary Metabolites toward Fusarium Wilt on Pepper
8E	Fitri Widiantini	Antagonistic activity of rice endophytic bacteria against bacterial leaf blight disease of rice caused by <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> (Ishmaya)



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PLANT DISEASES MANAGEMENT 1, SESSION 3

Moderator : Dr. Ir. Luciana Djaya M.Si.

: 10.10 - 11.10Time

ID	Presenter	Abstract
9E	Lilik	Sugarcane Smut Disease In Indonesia: Epidemic Occurrences And
	Koesmihar	Integrated Management Approaches
	tono Putra	
10E	Susiana	Remedying Fusarium sp And Phytopthora infestan Infection To Increase
	Purwantis	Potato Production Using <i>Trichoderma harzianmum</i> Treatment
	ari	
11E	Islaminati	Resistance Of Phytopythium vexans Against Fungicides In In Vitro Test
	Anna	
	Santika	
12E	Hurin	Application Of Suppressive Organic Material And Trichoderma Sp. For
	Nabila	Molar Disease Management
	Aghnia	
	Ilma	

PLANT DISEASES MANAGEMENT 1, SESSION 4

Moderator: Dr. Ir. Lilik K. Putra M. Agr. St.

 \cdot 11 15 - 12 15

Time	. 11.1.	J = 12.13
ID	Presenter	Abstract
13E	Luciana Djaya	Diseases On Golden Berry (<i>Physalis peruviana L.</i>) At Kabupaten Sumedang, West Java
14E	Novi Hervianti Putri	Application Of Organic Material Enriched With Bacterial Consortium And Fusarium Sp. For Moler Diseases Management On Shallot
15E	Martinius	The Use Of Chitosan To Control Stem-End Rot Disease In Avocado (<i>Lasiodiplodia theobromae</i> (Pat.) Griffon & Maubl) And To Increase The Length Of Fruit Shelf-Life



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ROOM VI: PLANT DISEASE MANAGEMENT 2

PLANT DIS. MANAGEMENT 2, SESSION 1 Moderator: Dr. Ir. Hendri Bustamam, MS : 08.00 - 09.00Time

ID Presenter Abstract **1F** Sri Rahayu Responses Of Five Mangium (Acacia mangium) Provenances To Different Ceratocystis Sp. Isolates Causing Wilt Disease 2F Sri Rahayu Monitoring Of Ganoderma Spp. Infestation At The Arboretum Of Universitas Gadjah Mada, Yogyakarta, Indonesia: Implications For Tree Health Care Recommendation Suskandini R Decreased Fusarium Wilt And Abundance Of Insects In Shallot Dirmawati Affected By Plant Growth Promoting Microorganism **4F** Noor The Abilities Of Bacteria And Yeast From Vermicompost Water Extract

To Inhibit Alternaria solani Sor In Vitro And Suppress Early Blight

PLANT DIS. MANAGEMENT 2, SESSION 2

Disease In Tomato

Moderator: Dr. Survanti SP. MP.

Istifadah

Time : 09.05 – 10.05		
ID	Presenter	Abstract
5F	Ayu Kartini Parawansa	Confirming the association of <i>Phytophthora palmivora</i> with stem cancer on cocoa in Sulawesi
6F	Mohamme d Al-Hadi Ibrahim Bosha Ahmed	Potential of Indigenous Yeast as a Paraquat Biodegradation Agent in Sumberbrantas, Batu City, Indonesia
7F	Hendri Bustamam	Plant Growth Promotion Microbes And Biocontrol Agents Consortium Organic Fertilizer To Bacterial Wilt Control And Chili Growth
8F	Moralita Chatri	Potensial Of Melastoma Malabathricum Leaf Extract As Antifungal Against Fusarium Oxysporum And Sclerotium Rolfsii



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PLANT DIS. MANAGEMENT 2, SESSION 3

Moderator: Prof. Ir. Tarkus Suganda, M.Sc. PhD

Time : 10.10 - 11.10

ID	Presenter	Abstract
9F	Ayuning	First Infection Of <i>Phytophthora Palmivora</i> In A New Established Cocoa
	Tyas Dwi	Plantation
	Ana	
	Pratiwi	
10F	Desty	Sweet Corn Resistance To Blight Disease By Biochar Application
	Aulia	
	Putrantri	
11F	Milda	Response Of Onion Resistance Induced By Rhizobacteria Application
	Ernita	
12F	Triwidodo	Current Problem and Progress in the Control of Solanaceous Bacterial Wilt
	Arwiyanto	caused by Ralstonia solanacearum in Indonesia

PLANT DIS MANAGEMENT 2, SESSION 4

Moderator: Dr. Ir. Ayu Kartini Parawansa, MP

Time	ime : 11.15 – 12.15		
ID	Presenter	Abstract	
13F	Alfizar Alfizar	Efikasi Metabolit Sekunder Trichoderma sp dan Pseudomonas fluorescens dalam menghambat serangan penyakit layu Fusarium pada pisang Awak di Aceh	
14F	Titik Nur Aeny	The Effect of <i>Trichoderma</i> sp. Spore Density and Molasses Concentration on The Disease Intensity of Downy Mildew and The Growth of Maize (Zea mays L.)	
15F	Tarkus Suganda	In-Vitro Study On The Effect Of Infusion Of Leaves And Stems Of Elephant Foot Yam (Amorphophallus Sp.) Against Fusarium Oxysporum The Incitant Of Fusarium Wilt Disease Of Tomato	



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ROOM VII: VIROLOGY

VIROLOGY, SESSION 1

Moderator: Dr. Ir. Sedyo Hartono, MP.

Time : 08.00 - 09.00

ID	Presenter	Abstract
1G	Ruth Feti	Molecular Characteristics Of Geographically Different Banana Bunchy Top
	Rahayuniati	Virus In Indonesia And Its Implication For Disease Management
2G	Andri	Pepper Yellow Leaf Curl Disease On Chili Peppers In Bengkulu And
	Saputra	Seedborne Transmission
3G	Des Yanto	Survey And Detection Of Ringspot Disease On Papaya Plants In North
		Sumatra
4G	Niken Nur	Detection And Distribution Of Viruses Infecting Peanut In South Sulawesi
	Kasim	

VIROLOGY, SESSION 2

Moderator: Fery Abdul Choliq SP. M.Sc.

 $\cdot 09.05 - 10.05$

Time . 09.03 – 10.03					
ID	Presenter	Abstract			
5G	Susamto Somowiyarjo	Evaluation Of Tea Extracts For Antiviral Activity Against Rehmannia mosaic virus And Onion yellow dwarf virus			
6G	Tri Asmira Damayanti	Utilizing Of Chitinolytic Bacteria To Inhibit Transmission Of <i>Cucumber mosaic virus</i> strain Soybean (CMV-S) By Aphid On Soybean			
7G	Mustika Ajeng Kartini Putri	Molecular Characterization Of Non-Coding Dna Satellite Associated With Yellow Mosaic Disease In Yardlong Bean			



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VIROLOGY, SESSION 3

Moderator:

Time : 10.10 - 11.10

ID	Presenter	Abstract			
8G	Mimi Sutrawati	Squash leaf curl china virus associated with Yellow Mosaic Disease of melon (<i>Cucumis melo</i>) in bengkulu, indonesia			
9G	Mahfut	Antagonistic Test of Orchid Mycorrhiza Against ORSV On <i>Phalenopsis amabilis</i> L. (BLUME)			
10G	MahfutT	Secondary Metabolite Analysis of Orchid Mycorrhiza Antagonist Test Results Against ORSV			

VIROLOGY, SESSION 4

Moderator : Prof. Dr. Ir. Sri Hendrastuti Hidayat, M.Sc. Time : 11.15 – 12.15

Time : 11.15 – 12.15				
ID	Presenter	Abstract		
11G	Lenny Hartati	Identification Of <i>Papaya Ringspot Virus-P</i> Using <i>Transcription Polymerase Chain Reaction</i> (Rt-Pcr) In Papaya Leaves And Seeds And Nucleothide Sequence Analysis In North Sumatra		
12G	Berliananda Maranditya	Utilization of Plant Growth Promoting Rhizobacteria (PGPR) to Increase The Quality and Resistance of Seedling Oryza sativa L. to Against Tungro Disease.		
13G	Muhammad Shafiq Shahid	Frequent Occurrence Of Mungbean Yellow Mosaic India Virus In Tomato Leaf Curl Disease Affected Tomato In Oman		
14G	Muhammad Taufik	Study Of Barrier-Based Geminivirus Management On Chili In Shouteast Sulawesi		