

ICCESI

OF THE ENTOMOLOGICAL SOCIETY OF INDONESIA

KUTA, BALI - INDONESIA | 6-9 OCTOBER 2019



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Learning from the Past, Adapting for the Future: Advancements in Ethnoentomology and Entomological Sciences for Food Security and Health

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ICCESI

INTERNATIONAL CONFERENCE AND THE 10th CONGRESS
OF THE ENTOMOLOGICAL SOCIETY OF INDONESIA
KUTA, BALI - INDONESIA | 6-9 OCTOBER 2019

Organized by Entomological Society Indonesian (ESI) in collaboration with Udayana University, IPB University, Entomological Society of Malaysia (ENTOMA)









CONFERENCE PROGRAM ICCESI 2019

DelTE	TIME	PDOCD A MAKE
Sanday	13.00-18.0	PROGRAMME 0 PEI Board Meeting & Technical Meeting for ICCESI
Wi Oktabe 2009	19.00-21.0	O Gala Dinner and Opening Remarks
	07.00-08.0	O Registration
	08.00-08.30	Opening Opening
	08.40-09.10	Keynote speech: Dr. Ir Antonia Dili 166
	09.10-09.40	Keynote speech: Prof. Dr. Ary Hoffman Frontier Research in Wolbachia-Insect Interaction
	09.40-10.10	Keyhote Speech. Dr. Nicholas Cosand
	10.10-10.30	Coffee break
	10.30-12.00	Invited speaker and discussion
	10.30-10.45	Prof. Dr. Jianguo Wang
		Diversity of Ambrosia beetle in Asia
	10.45-11.00	Prof. Dr. Kazovoshi Futai:
		Insect and Plant Pathogen Interactions
Monday III October	11.00-11.15	Assoc. Prof. Dr. Abdul Hafiz Abdul Majid: Molecular Marker in Entomology: Current and Future Application
2019	11.15-11.30	Prof. Dr. Sadahiro Tatsuki: Application of Insect Sex Pheromones for Crop Pest Management
	11.30-11.45	Discussion
	11.45-13.00	Lunch break
		The 10 th Congress of the Entomological Society of Indonesia
	13.00-15.00 -	Report on the responsibilities of ESI management Organisational discussion Formation and provides the second
		3. Formation and procedures for the selection of the Presidency (internal meeting)
	15.00-16.00	Coffee break
		Parallel session for Oral Presentation
	16.00-18.05	2. Special Theme: Insect Biodiversity & Sustainable Landscape
-	10.05.10.00	3. Linnaean Games Competition
-	10.03-19.00	Jinner
	19.00-21.05	. Parallel session for Oral Presentation

D-08	Eucalyptus pellita and Acacia crassicarpa in PT. Arara Abadi Forest Plantation in Riau: Termite Infestation and the Efficacy of Some Insecticides in Controlling the Most Destructive Species, Microcerotermes sp	Saripah Ulpah, Fajar Sagitarianto, Budi Tjahjono
D-09	Tree-Infesting Termites Trees in the Seulawah Ecosystem, Aceh, Indonesia	Dalil Sutekad, Masykur Masykur, Rinaldi Idroes, Nazli Ismail, Samsul Muarrif, Syaukani Syaukani
D-10	Different Responses Between Ants and Termites to the Existence of Natural Habitats in Oil Palm Plantation	Akhmad Rizali, Sri Karindah, Anna Windari, Bambang Tri Rahardjo, Nurindah, Bandung Sahari

Topic: Biological Control I Session-3 (19.00-20.00)

	on-3 (19.00-20.00)	
No	Title	Author
D-11	Insecticidal Activity of Entomopathogenic Fungal Cultures Irradiated with Ultra Violet C Against Larvae of <i>Spodoptera</i> <i>litura</i>	Siti Herlinda, Sangkut Oktareni, Suparman SHK, Erise Anggraini, Elfita Elfita; Arum Setiawan, Marieska Verawaty; Hasbi Hasbi, Benyamin Lakitan
D-12	Effectivity of Entomophatogenic Fungus Beauveria bassiana (Balsamo) Villermin and Essential Oil Based Botanical Pesticides for Controlling Helopeltis antonii Signoret (Hemiptera: Miridae) on Cashew Seedlings	Molide Rizal, T.E. Wahyono, Wiratno
D-13	Cross Resistance of Thiophanate-Methyl Tolerance <i>Metarhizium flavoviride</i> to Some Fungicides In Vitro	Yuyun Fitriana, Devita Ovi Wulandara, Purnomo, Radix Suharjo
D-14	Characteristic Insecticide Formulation Using Surfactant Based on Palm Oil and Its Application for <i>Spodoptera litura</i>	Eka Nur'azmi Yunira, Ani Suryani, Dadang Dadang , Silvester Tursiloadi

-	g-om Control II
70075000	4 (20.05-21.05)
Neg	Title
11-15	Population of Corn Stem Borer O
	furnacalis in Endophytic Beauver
	bassiana bassiana
D-16	
	Pathogenicity of Metarhizium spp
	on Rice Grain Combined with Var
-	Protein Powder
	Detection of Oryctes rhinoceros N
	(UINV) from Orvetes rhinocoros b
	Oil Palm Plantations of East Coast
	Peninsular Malaysia
D-IS	The Impact of Temperature Treatm
	Fitness and Doth
	Fitness and Pathogenicity of Bacille thuringiensis Isolates from S
	muringiensis Isolatos franco

thuringiensis Isolates from South S

Against Diamondback Moth *Plutell xylostella* (Lepidoptera: Plutellidae)
The Efficacy of Entomopathogenic

Spores as a Potential Biological Cor Tool Against Aedes Mosquito Larva

Biological Control II

ROOM

Topic: Fruit Flies I Session-1 (16.00-17.00)

D-19

No	Title	
E-01	Present Status of Fruit fly Bactrocencarambolae Drew & Hancock (Dipter Tephritidae) in Bali Island, Indonesia	
E-02	Diversity of Fruit Flies (Bactrocera's (Diptera: Tephritidae) on Some Mang Varieties in Jatibarang, Indramayu-W Java, Indonesia	
E-03	Biodiversity of Fruit Flies (Diptera: Tephritidae) from Different Ecosyster Sleman, Yogyakarta	

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ROSS RESISTANCE OF THIOPHANATE-METHYL TOLERANCE Metarhizium flavoviride TO SOME FUNGICIDES IN VITRO

Yuyun Fitriana*, Devita Ovi Wulandara, Purnomo, Radix Suharjo

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In the previous study, we found an isolate of M. flavoviride that was still able at the medium contains thiophanate-methyl up to 4 times of doses. The of the M. flavoviride to thiophanate-methyl led to hypothesis that this fungus tolerance to the other fungicides. This study was performed to investigate the capability of thiohanate-methyl tolerance M. flavoviride on the medium 8 different fungicides at 2 different levels of doses as well as its remicity after grown on fungicide-containing medium. Investigation on its meenicity was performed by applying the fungus to Sitophilus oryzae. The mate- methyl tolerance M. flavoviride was able to grow on the medium contains eb, ziram, and propineb at 1 time of dose but not for the other fungicides tricyclazole, isoprothiolane, difenoconazole, benomyl, and carbendazim. production was still observed on the medium contains mancozeb (1.23 x 10⁸) mL), ziram (0.97 x 10⁸ conidia/mL), and propineb (0.04 x 10⁸ conidia/mL), it was significantly lower than control (1.55 x 10⁸ conidia/mL). Viability of and it was detected on the medium contains mancozeb and ziram, but not on . Conidia viability on mancozeb (41%) was not significantly different than (57%), meanwhile conidia viability on ziram (29.1%) was significantly lower control. Mortality of the S. oryzae caused by the fungus after cultivated on the contains mancozeb (26.9%) and propineb (19.68%) was not significantly than control (33.82%), however it was significantly lower when it grew on containing-medium (5.36%).

fungicide, Metarhizium flavoviride, pathogenicity, Sitophilus oryzae, tolerance