

**SENARAI TAJUK DISERTASI BACELOR (PRT4959) SEMESTER 2 SESI 2023/2024****JABATAN PERLINDUNGAN TUMBUHAN**

BIDANG	NAMA PENSYARAH	TAJUK PROJEK
ENTOMOLOGI	Prof. Madya Dr. Norida Mazlan	1. Determination of companion plants for control of white flies 2. Effectiveness of different homemade biopesticide as larvicide
	Prof. Madya Ts. Dr. Nur Azura Adam	
	Prof. Madya Dr Lau Wei Hong	1. Checklist of insect pests of coconut nursery 2. Identification of bacteria for insect pest control 3. Evaluation of fungi for termite control 4. Evaluation of fermented plant extracts for insect pest control
	Ts. Dr. Norhayu Asib	
	Ts. Dr. Anis Syahirah Mokhtar	1. Evaluation of plant extracts on fall armyworm (FAW), pest of corn 2. Feeding preference of Rice Yellow stem-borer (YSB) under glasshouse condition 3. Biodiversity of insect pest in pineapple plantation 4. Feeding preference of apple snail
	Dr Syari Jamian	1. Diversity and abundance of predatory insects on corn field at Selangor 2. Evaluation of beneficial plants as hosts for natural enemies of oil palm bagworms
	Dr Wan Mohd Hafezul	1. Efficacy of anticoagulant rodenticides to control commensal rats ( <i>Rattus norvegicus</i> ) in urban area. 2. Distribution of <i>Coptotermes</i> spp. (Blattodea: Rhinotermitidae) in urban setup. 3. Investigation of barn owl ( <i>Tyto alba alba</i> ) population at oil palm smallholders
	Dr. Nursyafiqi Zainuddin	1. The role of plant root exudate toward soil nematode 2. Nematode diversity on different agricultural field legacy 3. The role of plant root exudates in tri-trophic interactions 4. Efficacy of insect-parasitic nematode for pest control
	Dr. Maisarah Burhanuddin	1. Small mammal population size in grasslands using capture mark recapture 2. Small mammal population size in multiple cropping agriculture lands using capture mark recapture 3. Bait preferences by small mammal in grasslands. 4. Bait preferences by small mammal in in multiple cropping agriculture lands.

PATOLOGI	Prof. Dr Wong Mui Yun	<ol style="list-style-type: none"> <li>1. Effects of herbal plant extracts/biostimulants for the control of plant pathogens</li> <li>2. Comparative genomic analysis of virulent factors/resistant factors in Ganoderma-oil palm pathosystem</li> <li>3. Cloning of defense genes from oil palm</li> <li>4. Efficacy of external application of dsRNA molecules on fungal diseases</li> </ol>
	Prof. Madya Dr Ganesan Vadamalai	<ol style="list-style-type: none"> <li>1. Detection and characterization of Chrysanthemum stunt viroid (CSVd)</li> <li>2. Characterization of Phytoplasma from vegetables using molecular diagnostic tools</li> </ol>
	Prof. Madya Dr Khairulmazmi Ahmad	<ol style="list-style-type: none"> <li>1. Biological control of plant diseases using antagonistic microbes</li> <li>2. Identification and characterization of fruit crops diseases</li> <li>3. Plant disease control efficacy using synthetic pesticides</li> </ol>
	Prof. Madya Ts Dr. Nusaibah Syd Ali	<ol style="list-style-type: none"> <li>1. Biological control of oil palm basal stem rot (BSR) disease</li> <li>2. Detection of plant pathogenic fungi</li> <li>3. Assessment on the plant growth promoting activities of biological control agents</li> </ol>
	Ts Dr Siti Izera Ismail	<ol style="list-style-type: none"> <li>1. Screening for the identification of potential biological control of fungal pathogen causing rice blast disease</li> <li>2. Application of chitosan treatment for the control of postharvest fruit diseases caused by the fungal pathogen</li> <li>3. Identification and pathogenicity assays of plant pathogenic fungi associated with ornamental plants and herbaceous plants</li> <li>4. Morphological characterization and genetic diversity of pathogenic fungi causing plant diseases</li> </ol>
	Dr Sumaiyah Abdullah	<ol style="list-style-type: none"> <li>1. Mushroom cultivation: Evaluation of different media substrate</li> <li>2. Mushroom cultivation: Evaluation of different spawn substrate</li> <li>3. Mushroom diseases: Morphological and molecular identification</li> </ol>
	Prof. Madya Ts Dr Dzarifah Mohamed Zulperi	<ol style="list-style-type: none"> <li>1. Identification of <i>Pantoea</i> species associated with panicle blight disease of rice in Selangor</li> <li>2. Genetic diversity of <i>Pantoea stewartii</i> subspecies <i>stewartii</i> causing bronzing disease of jackfruit in Peninsular Malaysia</li> <li>3. Characterization of <i>Bacillus</i> species causing trunk bulges of RRIM 3001 superclone rubber trees in Peninsular Malaysia</li> </ol>
	Dr Mohd As'wad Abdul Wahab	<ol style="list-style-type: none"> <li>1. Basal stem rot disease of oil palm: Evaluation of nanofertilizer and nanofungicides against <i>Ganoderma boninense</i></li> <li>2. Evaluation of antifungal activity of plant extracts against plant pathogenic fungi</li> <li>3. Biological control of weed</li> </ol>

	Dr Norsazilawati Saad	<ol style="list-style-type: none"> <li>1. Molecular identification and characterization of viruses infecting landscape plants</li> <li>2. Molecular identification and characterization of viruses infecting vegetable plants</li> <li>3. Identification and in silico characterization of viruses using bioinformatic analysis of publicly available plant transcriptome</li> </ol>
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