

**SENARAI TAJUK DISERTASI BACELOR SEMESTER 2 SESI 2022/2023
JABATAN PERLINDUNGAN TUMBUHAN**

FIELD	PROJECT
ENTOMOLOGI	1. Determination of companion plants for control of white flies
	2. Effectiveness of different homemade biopesticide as larvicide
	3. Checklist of insect pests of coconut nursery
	4. Identification of bacteria for insect pest control
	5. Evaluation of fungi for termite control
	6. Evaluation of fermented plant extracts for insect pest control
	7. Synergistic activity of Piper samertosum and Azadirachtin indica crude extract against brown planthopper
	8. Combination of Piper samertosum and Azadirachtin indica crude extract against brown planthopper
	9. Evaluation of entomopathogenic fungi formulation against bagworm and oil palm pollinator
	10. Insecticidal effect of insect growth regulator towards <i>Metisa plana</i>
	11. Artificial diet for laboratory rearing of <i>Corcyra cephalonica</i>
	12. Evaluation of plant extracts on fall armyworm (FAW), pest of corn
	13. Sampling of pineapple mealybugs, <i>Dysmicoccus brevipes</i> , pest of pineapple
	14. Sampling of Rice Yellow stem-borer, <i>Scirpophaga incertulas</i> in Peninsular Malaysia.
	15. Diversity and abundance of predatory insects on corn field at Selangor
	16. Evaluation of beneficial plants as hosts for natural enemies of oil palm bagworms
	17. Application of an insect growth regulator (IGR)
	18. to control <i>Coptotermes</i> spp. Blattodea:
	19. <i>Rhinotermitidae</i>) infestation in oil palm
	20. plantation
	21. Efficacy of Rhamnolipid Biosurfactant as
	22. biopesticide against <i>Coptotermes</i> spp. Blattodea:
	23. <i>Rhinotermitidae</i>) in oil palm plantation
	24. Determination of the toxicity of multiple dosages of plant root exudate toward soil nematode
	25. Understanding the effect of different carbon dioxide gradients on nematode behaviour
	26. Plant-parasitic nematode population survey on different locations of paddy fields with the occurrence of bacterial panicle blight disease
	27. Screening of fungi-nematode interactions in oil palm/ Durian cultivation areas with heavily infested white-rot fungus/ patch canker, respectively, compared to an uninfected plant
	1. Effects of herbal plant extracts/biostimulants for the control of plant pathogens
	2. Comparative genomic analysis of virulent factors/resistant factors in <i>Ganoderma</i> -oil palm pathosystem
	3. Cloning of defense genes from oil palm

PATOLOGI	<ol style="list-style-type: none"> 4. Efficacy of external application of dsRNA molecules on fungal diseases 5. Detection and characterization of Chrysanthemum stunt viroid (CSVd) 6. Characterization of Phytoplasma from vegetables using molecular diagnostic tools 7. Identification and control fungal diseases of pineapple 8. Identification and control bacterial diseases of pineapple 9. Biological control of oil palm basal stem rot (BSR) disease 10. Detection of plant pathogenic fungi 11. Assessment on the plant growth promoting activities of biological control agents Screening for the identification of potential biological control of fungal pathogen causing rice blast disease 12. Application of chitosan treatment for the control of postharvest fruit diseases caused by the fungal pathogen 13. Identification and pathogenicity assays of plant pathogenic fungi associated with ornamental plants and herbaceous plants 14. Morphological characterization and genetic diversity of pathogenic fungi causing plant diseases 15. Mushroom cultivation: Evaluation of different media substrate 16. Mushroom cultivation: Evaluation of different spawn substrate 17. Mushroom diseases: Morphological and molecular 18. identification 19. Identification of Pantoea species associated with panicle blight disease of rice in Selangor 20. Genetic diversity of Pantoea stewartii subspecies stewartii causing bronzing disease of jackfruit in Peninsular Malaysia 21. Characterization of Bacillus species causing trunk bulges of RRIM 3001 superclone rubber trees in Peninsular Malaysia 22. Basal stem rot disease of oil palm: Evaluation of nanofertilizer and nanofungicides against Ganoderma boninense 23. Evaluation of antifungal activity of plant extracts against plant pathogenic fungi 24. Biological control of weed 25. Identification and molecular characterization of a selected virus infecting tomato plants and weeds 26. Identification and molecular characterization of a selected virus infecting chilli plants 27. Identification and in silico characterization of viruses using bioinformatic analysis of publicly available plant transcriptome
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Updates: 27 Feb 2023