DEPARTMENT OF CROP SCIENCE
LIST OF DISSERTATION TITLE
SEMESTER 2 2021/2022

NO	FIELD	SUB-FIELD	TITLE OF BACHELOR'S DISSERTATION PROJECT
1			Effects of different propagation medium on the germination rate of Korean mint (Agastache rugosa)
2			Effects of different EC levels on growth performance in hydroponically-grown Korean mint (Agastache rugosa)
3			Comparative Regeneration of Black ginger Artificial Seeds using in vitro and in vivo Methods
4			The development of seed quality in “Tenggek Burung” Melicope lunu ankenda (A medicinal plant species).
5			The development of seed quality in “Tenggek Burung” Melicope lunu ankenda (A medicinal plant species).
6			Establishment of cryopreservation protocol for storage of in-vitro shoot tips of black ginger (Kaempheria paviflora)
7	Sains Tanaman	Agronomi	Growth and yield performance of Bukit naga variety of sweet potato as affected by different source of planting materials
8	Sains Tanaman	Agronomi	Effects of harvest frequency on growth and biomass yield of bismillah *(Vernonia amygdalina)*
9			Growth and yield of sweet corn as affected by application of different sources of Biochar and organic fertilizer
10			Effects of intercropping system of vegetable sweet potato and okra on mineral soil.
11	Sains Tanaman	Agronomi	Effects of different growing media on shoot and root growth of Kadok (*Piper sarmentosum*).
12			Flowering biology of selected Hoya sp. from Peninsular Malaysia
13			Secondary Metabolites Evaluation of Selected Melastoma sp. from Peninsular Malaysia
14	Hortikultur	Sains Turf	Hybrid turfgrass planting systems for sportfield
15	Plant Science		Composition of ethylene and rospiration rate of durian towards full maturity and postharvest storage
16	Plant Science	Plant Molecular	Molecular basis of resistance to AHAS inhibitors in the selected weedy rice populations
17		Weed Science	Evaluation of new herbicide Casper for weed control in a commercial golf course
18		Herbicide Science	Residual activity of a new herbicides premix in rice field
19			IOT on growth and quality of Rockmelon
20			IOT on growth and quality of Pineapple
21			Effect of bio-organic on growth performance of rubber seedling (Agronomy)
22			Effect of bio-organic on growth and yield performance of corn (Agronomy)
23			The feasibility in improving lowland strawberry yield via mushroom derived CO2 enrichment

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24			Differential light spectrum quality in enhancing nutrient use efficiency in roselle.
25			Assessing feasibility in growing herbs horizontally for improved yield and production
26			Determination of nutrient requirement while CO2 priming rice seedlings for enhanced growth and production
27			In vitro responses of Phalaenopsis bellina to medium suplemented with different plant growth regulators
28			In vitro responses of Hydrocotyle bonariensis to medium suplemented with different plant growth regulators
29			In vitro responses of Gynura procumbens to medium suplemented with different plant growth regulators
30			In vitro responses of Labisia pumila to medium suplemented with different plant growth regulators
31	Hortikultur	Phytochemical	Enhancing the production of microgreen through different light intensity and germination medium
32			Enhancing the production of antioxidant properties in roselle
33	Agronomy	Silage technology	Usage of various crop material for silage making as animal feed production
34	Agronomy	Forage crop	Performance of selected forage and pasture varieties at different harvest stage
35	Agronomy	Minor industrial crop	Yield performance of selected minor industrial crop using different agronomic practice
36	Agronomy	Industrial crop	Effect of different oil palm nursery agronomic practices on plant growth
37			PERFORMANCE OF Sorghum bicolor in marginal soils (high salinity, low fertility) and stress (drought, heat)
38			Agronomical and genetic factors Influencing production of hempedu bumi
39	Agronomy	Weed Science	Pattern of resistance to Sulfonylureas in soap bush (Clidemia hirta) from Malaysia
40	Agronomy	Weed Science	The herbicidal potential of plant extracts of Sansevieria trifasciata on rice field weeds
41	Agronomi	Pertanian Lestari	Effect of Azolla as a biofertilizer on rice growth and yield
42	Agronomi	Pertanian Lestari	Effect of local-based organic fertilizer from plant-based on selected crop performances
43	Plant Science		Nutritional characteristics of Tea (*Camellia sinensis* Kuntz) in relation to soil edaphic factor
44	Plant Science		Effect of Aluminium addition on the growth and physiology of Tea (*Camellia sinensis* Kuntz)
45	Plant Science		Effect of heavy metal (Cd) addition on the growth and physiology of *Dendrocalamus asper* (Buluh Betong) seedlings grown in hydroponic culture.

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46	Hortikultur	Postharvest Physiology	Effects of storage period on eating quality of durian fruit
47	Hortikultur	Postharvest Physiology	Effects of temperature on flowers anthesis of durian flower
48	Hortikultur	Postharvest Physiology	Effects of fertilization on eating quality of fresh durian fruit
49	Hortikultur	Postharvest Physiology	Effects of packaging on eating quality of durian fruit
50	Agronomi		Evaluation of Early Growth of Ginger (Zingiber officinale var. Bentong) As Affected by Different Light Intensity
51	Agronomi		Effects of Different Planting Media on The Early Growth of Ginger (Zingiber officinale var. Bentong)
52			Variation in biomass accumulation and antioxidant activity of misai kuching (Orthosiphon stamineus Benth.) varieties grown under low irradiance
53			Establishing the propagation of sacha inchii (Plukenetia volubilis L.) through hormonal application on stem cutting
54			Effect of the type of cuttings and rooting agents on physiological growth of different Rosa sp. cultivars
55			Effect of media mixture on the flowering rate and quality of Hydrangea macrophyla
56			Understanding the ecological dynamics and human preferences for tropical indoor plants and its effect on environmental psychology
57	Pembiakbakaan & Genetik		Yield and grain quality performance of newly developed rice varieties
58	Pembiakbakaan & Genetik		Genetic diversity of eggplant germplasm for yield and fruit quality
59	Pembiakbakaan & Genetik		Evaluation of newly developed tomato hybrids for yield traits and tomato mosaic virus
60	Plant nutrition		Effect of Different Types of Green Manure on Growth Performance and Yield of Brinjal
61	Plant nutrition		Effect of Azolla Compost as Growing Media for the Production of Baby greens
62	Plant nutrition		Effects of Combined Organic/Inorganic Fertilizer Application on Growth and Yield of Black Turmeric
63	Agronomy	Seed Science	Alleviation of seed dormancy for different *Andrographis paniculata* accessions