

Jabatan Sains Tanaman

Senarai Tajuk Disertasi Semester II Sesi 2020 / 2021

Bidang	Sub-bidang	Tajuk
		Effects of different propagation medium on the germination rate of Korean mint (<i>Agastache rugosa</i>)
		Effects of different EC levels on growth performance in hydroponically-grown Korean mint (<i>Agastache rugosa</i>)
		Germination requirements and storage behavior of Hyacinth bean (<i>Lablab purpureus</i>) seeds
		Changes in antioxidant enzymes, germination capacity and vigour of soybean seeds in response of priming with polyamines
		Seed priming of roselle seeds by gibberellic and salicylic acids to improve seedling growth under stress condition
		Synthetic seed production in black ginger (<i>Kaempferia parviflora</i>)
		Penilaian prestasi beberapa hibrid baru jagung manis.
		Penilaian prestasi beberapa hibrid baru jagung bijian.
		Penilaian prestasi beberapa hibrid baru jagung silaj
Sains Tanaman	Agronomi	Growth and yield performance of Bukit naga variety of sweet potato as affected by different source of planting materials
Sains Tanaman	Agronomi	Effects of harvest frequency on growth and biomass yield of bismillah (<i>Vernonia amygdalina</i>)
		Growth and yield of sweet corn as affected by application of different sources of Biochar and organic fertilizer
		Effects of intercropping system of vegetable sweet potato and okra on mineral soil.
Sains Tanaman	Agronomi	Effects of different growing media on shoot and root growth of Kadok (<i>Piper sarmentosum</i>).
Hortikultur		Monitoring drought stress and photosynthesis response using drone in rice cultivation.
Hortikultur		Effects of nitrogen deficiency in rice and monitoring using drone UAV.
		Flowering biology of selected Hoya sp. from Peninsular Malaysia
		Secondary Metabolites Evaluation of Selected Melastoma sp. from Peninsular Malaysia
		Distribution and biodiversity assessment of selected potential gingerberaceae of Peninsular Malaysia.
		Quality of microgreens
		Nutrient management of vegetable in hydroponic
Hortikultur	Turf	Effect of growth regulator on the growth and quality of cowgrass
		Management of ricefield weeds using new herbicides, Rainskor
		Evaluation of bermuda grass, Satiri Superdwarf as influenced by growth regulator
Agronomy	Weed science	The role of soil organisms in reducing the allelopathic effect of Parthenium hysterophorus
		Composition of ethylene and respiration rate of durian towards full maturity and postharvest storage
		Patterns and level of resistance to AHAS inhibitors in selected weedy rice populations
		Evaluation of different bioherbicide formulations on stability and weed control efficacy
		Growth responses of selected turfgrass and weed species to anew selective herbicides
Agronomy	Seed Science & Technology	Studies of seed dormancy in weed seeds
		Development of rapid seed tests.
		IOT on growth and quality of Rockmelon
		IOT on growth and quality of Pineapple
		Effect of different rates of Bio-organic fertilizer on growth performance of oil palm seedling
		Rubber seedling performance in response to various rate of zeolite.
		Yield performance and inbreeding depression of M4 okra mutants
		Yield performance of M4 chilli mutant lines developed through acute and chronic irradiations
		Heterosis and combining ability for yield and antracnose resistance in chili
		The feasibility in improving lowland strawberry yield via mushroom derived CO2 enrichment
		Differential light spectrum quality in enhancing nutrient use efficiency in roselle.
		Assessing feasibility in growing herbs horizontally for improved yield and production
		Determination of nutrient requirement while CO2 priming rice seedlings for enhanced growth and production
		In vitro responses of Phalaenopsis bellina to medium supplemented with different plant growth regulators
		In vitro responses of Hydrocotyle bonariensis to medium supplemented with different plant growth regulators
		In vitro responses of Gynura procumbens to medium supplemented with different plant growth regulators
		In vitro responses of Labisia pumila to medium supplemented with different plant growth regulators
Hortikultur	Phytochemical	Effects of Chitosan on the performance of eggplant
		Prolonging the self life of Okra by different concentrations of Chitosan
		Comparison of different sorghum varieties as fodder for animal feed
		Usage of various agriculture by-products for silage making
		PERFORMANCE OF Sorghum bicolor in marginal soils (high salinity, low fertility) and stress (drought, heat)
		Agronomical and genetic factors Influencing production of hempedu bumi
		Study on weed-crop competition in rice
		reconfirmation of herbicide resistance status of sagittaria guyanensis, rice field weed
		reconfirmation of herbicide resistance status of limnophila erecta, rice field weed
		Evaluation of zero-grass efficacy for weed control in oil palm plantation
Agronomi (Pertanian Lestari)		Effect of Azolla on rice growth and yield
		Effect of Azolla on greenhouse gases emissions of rice growth
		Effect of organic fertilizer from plant-based on selected crop performances
		Efficacy of liquid and solid organic fertilizer from plant-based on selected crop performances
		Nutritional characteristics and antioxidant activity of tea (<i>Camelia sinensis</i> (L.) Kuntze)
		The effect of Aluminium addition on the growth and antioxidant activity of tea (<i>Camelia sinensis</i> (L.) Kuntze) seedlings.
		Functional significance of Aluminium accumulation in Al- hyperaccumulator tropical shrub <i>Melastoma malabathricum</i> L.
Hortikultur	Postharvest Physiology	Effect of gum Arabic coating on postharvest quality of fig
		Effect of gum Arabic coating on fresh-cut mango
		Use of anti-browning compounds on fresh-cut mango
		Pollen viability of jackfruit under storage temperature
		Evaluation of vanilla (<i>Vanilla planifolia</i> Andrews) grown under mature rubber
		Effect of different type of cutting and media on rooting and growth of vanilla (<i>Vanilla planifolia</i> Andrews)
Horticulture	Agronomy-herb	Establishing the propagation of sacha inchi (<i>Plukenetia volubilis</i> L.) through hormonal application on stem cutting
		Growth performance of <i>Moringa oleifera</i> planting materials derived from cuttings and seeds
		Variation in total phenolics, total flavonoids and antioxidant activity of different varieties of ginger (<i>Zingiber officinale</i> Rosc.)
Agronomy	Weed Science	Cover Crop Residue Components and their Effect on weed suppression
		A herbicide resistance confirmation of Sagittaria guyanensis in the rice fields in Malaysia
		Reconfirmation of herbicide resistance status of Limnophila erecta, rice field weed
		Confirmation and Characterization of Sulfonylureas-Resistant soapbush (<i>Clidemia hirta</i>) in oil palm plantation