

KEPUTUSAN PENUH MSTE 2021

- **ANUGERAH KHAS MSTE 2021**

ANUGERAH	PEMENANG	TAJUK INOVASI/ PENGETAHUAN	PTJ
DIRECTOR GENERAL'S SPECIAL AWARD	DR. NOOR AZLINA BINTI MASDOR	AGROZIDETM: A new Nano-Fungicide to Control the Growth of Aspergillus flavus in Grain Corn During Storage	BN
BEST AWARD (INNOVATION)	DR. NOOR AZLINA BINTI MASDOR	AGROZIDETM: A new Nano-Fungicide to Control the Growth of Aspergillus flavus in Grain Corn During Storage	BN
BEST AWARD (KNOWLEDGE)	NUR SABRINA BINTI WAHID	Encapsulation and Characterisation of SAR-Inducing Recombinant Proteins in Chitosan Nanoparticles for Papaya Dieback Disease Management	BN
YOUNG SCIENTIST AWARD (INNOVATION)	MOHD SHAHMIHAIZAN BIN MAT JUSOH	Young Coconut Fibre and Cocopeat Extractor: Turning Waste to Cash	ER
YOUNG SCIENTIST AWARD (KNOWLEDGE)	NUR SABRINA BINTI WAHID	Encapsulation and Characterisation of SAR-Inducing Recombinant Proteins in Chitosan Nanoparticles for Papaya Dieback Disease Management	BN
BEST VIDEO PRESENTATION AWARD (INNOVATION)	KOGEEETHAVANI A/P RAMACHANDRAN	Bacteria Panicle Blight Disease of Rice Management Package	DG
BEST VIDEO PRESENTATION AWARD (KNOWLEDGE)	RAHINIZA BINTI KAMARUZAMAN	Precise Selection Towards Development of Malaysian Bacterial Leaf Blight Resistant Rice Variety Using Marker Assisted Selection (MAS)	PR

PEMENANG MSTE 2021

• KATEGORI INOVASI

PEMENANG PINGAT EMAS (INOVASI)

Bil.	Tajuk	Nama	PTJ
1.	AGROZIDE™: A new Nano-Fungicide to Control the Growth of <i>Aspergillus flavus</i> in Grain Corn During Storage	Dr. Noor Azlina Binti Masdor	BN
2	S.C. FERTPACK -A New Specific Fertilizer Package for Skuduk-Chupak Irrigation Scheme	Zaki Bin Musa	PR
3	MRQ 103: A New Fragrant Rice Variety for Healthier Lifestyle	Shamsul Amri Bin Saidon	PR
4.	Bacteria Panicle Blight Disease of Rice Management Package	Kogeethavani A/P Ramachandran	PR
5.	Grey Oyster Mushroom Strains <i>Seri Jelira</i> 1 and 2: New Hope for the Malaysian Mushroom Industry	Dr. Ganisan A/L Krishnen	SF
6.	Impact of Nutrients and Plant Spacing on Lowland Cauliflower Cultivation	Rahayu Binti Anang	HR
7.	Superfood Instant Vege Cereal: More than Antioxidants for Elderly Foods	Zuwariah Binti Ishak	FT
8.	Fermented Ceri Terengganu Beverage: Positive Evidence in the Management of Hypercholesterolemia	Dr. Musaalbakri Bin Abdul Manan	FT
9.	Young Coconut Fibre and Cocopeat Extractor: Turning Waste to Cash	Mohd Shahmihaizan Bin Mat Jusoh	ER

PEMENANG PINGAT PERAK (INOVASI)

Bil.	Tajuk	Nama	PTJ
1.	Physicochemical Properties and Glycemic Index of Selected Specialty Rice	Hanisa Binti Hosni	PR
2.	NPK Fertilizer and Hormone Solution to Enhance Plant Growth and Root Performance of Pineapple Plantlets (<i>Ananas comosus</i> var. MD2) under Nursery Conditions	Dr. Hartinee Binti Abbas	HR

3.	Shrink Low-Density Polyethylene (LDPE) Packaging Extend the Storage Life of Fresh Durian	Nur Azlin Binti Razali	HR
4.	Mycoskin: Mushroom-Based Anti-aging and Anti-Pigmentation Topical Products	Dang Lelamurni Binti Abd Razak	FT
5.	Patin Fish Curd-Healthy and Tasty Frozen Aquaculture Fish Product	Nik Hafizah Binti Nik Ubaidillah	FT
6.	New Mechanization System for Sweet Potato Planting Material Production	Anuar Bin Abdullah	ER
7.	Asam Pedas Cube: Convenience and Quick	Norzaleha Binti Kasim	FT
8.	Rapid Diagnostic Kit for Mycotoxins Detection in Grain Corn	Dr. Nur Azura Binti Mohd Said	BN
9.	Adjustable Disc Sago Grating Machine for Various Trunk Sizes	Wan Mohd Fariz Bin Wan Azman	ER
10.	An Impactful Postharvest Emerging Technique for Taro Corm (<i>Colocasia esculenta</i>) Storage Life Extension	Noor Ismawaty Binti Nordin	IC
11.	Specialty Fertilizer for Ginger	Dr. Yaseer Suhaimi Bin Mohd	IC

PEMENANG PINGAT GANGSA (INOVASI)

Bil.	Tajuk	Nama	PTJ
1.	MARDI's Plant Factory: The Catalyst of Modern Farming in Malaysia	Mohammad Abid Bin Ahmad	HR
2.	Green Mulched Shredding Machine: An Innovative and Eco-Friendly Approach of Managing Pineapple Residue	Adli Fikri Bin Ahmad Sayuti	ER
3.	Production and Management of MARDI Breeder Farm for Ayam Saga	Nooraisyah Binti Saharani	LS
4.	New Foliage Potted Plant Production for Desirable Indoor Landscaping	Masnira Binti Mohammad Yusoff	HR
5.	Feed Formulation for Ayam Saga	Roziatul Erin Binti Abdul Razak	LS

6.	Smart Cap for Smartlife	Mohd Romainor Bin Manshor	FT
7.	A Coconut Syrup Innovation with Important Assessments Of Sugar Profile And Glycemic Index (eGI)	Dr. Norma Binti Hussin	IC
8.	From Trash to Treasure: Vermicompost, the Black Gold	Intan Nadhirah Binti Masri	SF
9.	RiceFert Online Calculator for Fertilizer Recommendation	Muhammad Zamir Bin Abdul Rasid	SF
10.	READDY™: Botanical Bactericide Nanoemulsion for Seed Treatment to Control Bacterial Leaf Blight Disease in Paddy	Hazalina Binti Zulkifli	BN
11.	eS-TEEN Harvester -A New Approach for Mangosteen Harvesting Method	Mohamad Fakhrul Zaman Bin Omar	ER
12.	<i>Fertigasi Pintar</i> - IoT Based Technology for Efficient Fertigation System	Dr. Arina Binti Mohd Noh	ER

SENARAI PEMENANG MSTE 2021

KATEGORI: PENGETAHUAN

PEMENANG PINGAT EMAS (PENGETAHUAN)

Bil.	Tajuk	Nama	PTJ
1.	Therapeutic Potentials of Ceri Terengganu in Type 2 Diabetes Mellitus	Dr. Mirfat Bt Hj. Ahmad Hasan Salahuddin	IC
2.	VCO Spread: A Convenient Way to Enjoy the Health Benefits of Virgin Coconut Oil	Dr. Koh Soo Peng	FT
3.	Antihypertensive Protein Hydrolysates Derived from Black Tilapia (<i>Oreochromis placidus</i>)	Dr. Madzlan Bin Kasran	FT
4.	Encapsulation and Characterisation of SAR-Inducing Recombinant Proteins in Chitosan Nanoparticles for Papaya Dieback Disease Management	Nur Sabrina Binti Wahid	BN

5.	Precise Selection Towards Development of Malaysian Bacterial Leaf Blight Resistant Rice Variety Using Marker Assisted Selection (MAS)	Rahiniza Binti Kamaruzaman	PR
6.	Diversity Study of MARDI'S Starfruit Using Simple Sequence Repeats (SSRs)	Dr. Khairun Hisam Bin Nasir	BN
7.	EDICOAT: The Solution to Extend the Shelf Life of Smoked Products	Dr. Siah Watt Moey	FT
8.	The Impacts of Covid-19 Pandemic Crisis on Tropical Fruits Supply Chain in Malaysia	Suhana Binti Safari	ES
9.	Native Ornamental Potted Plants for Absorbing VOCs and Enhancing Indoor Air Quality	Hamdan Bin Mohd Noor	HR
10.	Market Competitiveness of Coconut Based Industry Among ASEAN Countries	Mohd Hafizudin Bin Zakaria	ES
11.	Influence of Light-Emitting Diodes (LEDS) on Postharvest Quality of Lettuce	Nur Syafini Binti Ghazali	HR
12.	<i>Trichoderma asperellum</i> 1614: A Diverse Potential Fungus	Dr. Tosiah Binti Sadi	SF
13.	Novel Microsatellite Markers for Genetic Research in Taro	Mohd Shahril Firdaus Bin Ab Razak	BN
14.	Prophylactic Measure in Sweet Potato Virus Management	Dr. Razean Haireen Binti Mohd Razali	IC
15.	Growth and Yield Responses of Different Brassica Species to Plant Density in Vertiplanter System for Urban Gardening	Puteri Aminatulhawa Binti Megat Amaddin	HR
16.	Silicon as a Beneficial Element for Improving Rice Productivity and Quality	Engku Hasmah Binti Engku Abdullah	PR
17.	Four Potential Banana Accessions Against Banana Bacterial Wilt Disease	Sivanaswari A/P Chalaparmal	HR
18.	Leaf Anatomical Study of <i>Baccaurea</i> Species	Khadijah Binti Awang	IC

19.	Can Ceri Terengganu (<i>Lepisanthes fruticosa</i>) Pulp Retain Its Attractive Colour After Thermal Processing?	Saiful Bahri Bin Saari	FT
20.	Discovery of Crop Wild Relatives (CWR) in Malaysia	Ts. Muhammad Shafie Bin Md Sah	BE
21.	Unlocking the Health Potential of Fermented Kuini and Ceri Terengganu Beverages: Insulinotropic Mechanism for Diabetic Control	Dr. Hadijah Binti Hassan	FT
22.	Automated Prediction and Visualisation of Moisture Distribution in Carrots Using Hyperspectral Imaging for Online Monitoring During Drying	Dr. Rosalizan Binti Md. Saleh	IC

PEMENANG PINGAT PERAK (PENGETAHUAN)

Bil.	Tajuk	Nama	PTJ
1.	Chemical Kinetics, Reaction Mechanism and Potential of Cationic Flexible Nanoparticle (CFN) in Agricultural Industry	Ts. ChM. Dr. Khalisanni Bin Khalid	BN
2.	Effect of Different Granular Fertilizer Application on Growth Performance and Fruit Quality of Pineapple (<i>Ananas comosus</i> VAR. MD2) on Tropical Peat Soil	Mohd Nizam Bin Zubir	HR
3.	Humic Acid Effect on Rice Yield as an Additional Material in Rice Fertilization Package	Helda Binti Souki	DG
4.	Unlocking of <i>Heterotrigona itama</i> Food Sources Using Metabarcoding Techniques	Mohd Fahimee Bin Jaapar	BE
5.	Implementation Of Strategic Analysis in Monitoring Technopreneur Performance	Suzalyna Binti Mos	TE
6.	The Effect of Planting Distance on Crop Performance and Yield of Grain Corn Through Seed Planting Mechanization	Ts. Mohd Khusairy Bin Khadzir	ER
7.	MyNutRiceBase and CpEDb: An Integrated Omics Resource for New Knowledge Discovery in Local Rice and Papaya	Dr. Rabiatul Adawiah Binti Zainal Abidin	BN

8.	Promoting the New Integrated Pest Management (IPM) Paradigm to Manage <i>Plutella xylostella</i> in Malaysia	Saiful Zaimi Bin Jamil	BE
9.	Effects of Rice Straw Activated Carbon on the Discoloration of Pome.	Dr. Mohamad Jani Bin Saad	ER
10.	Evaluation of Taxonomic Features of <i>Pometia pinnata</i> forma (Sapindaceae) in Peninsular Malaysia	Dr. Mohd Norfaizal Bin Ghazalli	BE
11.	Functional vs. Commercial Beverages of Lycopene-rich Drink: The Consumers' Insight	Rawaida Binti Rusli	ES
12.	Identification of Malaysian Stingless Bee Honey Metabolites Related to Heterocyclic Amines Inhibition in Grilled Beef Satay Via Untargeted Metabolomics Approach	Dr. Sharina Binti Shamsudin	FT
13.	Potential Of Linalool Based Formulation as a Biofungicide on Postharvest Disease	Nor Hanis Aifaa Binti Yusoff	HR
14.	Dissecting the Proteome of Pigmented and Non-Pigmented Rice Grains for Nutrient-Related Proteins Using High-Throughput Mass Spectrometry	Dr. Sew Yun Shin	BN
15.	Updated Country-Specific Emission Factors (CSEF) for Malaysian Beef Cattle Enteric Methane (CH ₄) Emission for More Accurate GHG Emission Estimates	Azizi Bin Ahmad Azmin	BE
16.	Analysis of Stability and Genotype X Environment Interaction of Newly Developed MARDI's Rice Varieties Across Major Rice Granaries in Malaysia	Hamidah Binti Mohd Sarif	PR
17.	Genotype by environment interactions (GxE) for morphological and yield performances of 18 commercial corn hybrids in Peninsular Malaysia	Dr. Mohamad Bahagia Bin Ab Ghaffar	IC
18.	Sorghum: New Alternative Crop Grown in Mineral Soil for Forage Production	Nurhazwani Binti Mustaffer	IC
19.	Determination of Different Light Emitting Diode (LED) Spectrums at Seedlings Production for	Mohamed Hafeifi Bin Basir	HR

	Optimal Growth on Various Types of Lettuce in MARDI Plant Factory		
20.	Influence of Packaging Materials on Anthocyanins Stability of Red Cabbage-Roselle Mixed Juice Drink at Ambient Storage Condition	Nur Farah Hani Binti Muhamad	FT
21.	Taro Production Mapping: Next Cash Crop for Nation Food Security	Umikalsum Binti Mohamed Bahari	IC
22.	A Mini-Cell for Green Electro Analysis with Common Electrodes	ChM. Dr. Sim Wei Chung	CB
23.	<i>Solanum torvum</i> , As a Useful Source of Resistance Against Root-Knot Nematode Diseases in Eggplant	Mohd Nazarudin Bin Anuar	HR
24.	The First ASEAN Maximum Residue Limit (MRL) of Selected Fungicide on Curry Leaves	Dr. Ngan Chai Keong	SF
25.	Characterization of Pigmented Mamut Rice Using Selected Physical and Phytochemical Properties	Sharifah Azlina Binti Ali	PR
26.	Development of a Green Controlled Release Fertilizer for Paddy Production	Muhammad Syahren Bin Adzahar	SF
27.	Postharvest Handling of Tropical Ornamental Potted Plants	Joanna Cho Lee Ying	HR
28.	Agricultural Water Pollution Peril: Identifying the Culprit	Norlida Binti Mohamed Hamim	SF
29.	Bacteriophage as Potential Biological Control Agent for Banana Blood Disease Caused by <i>Ralstonia solanaceae</i>	Nur Sulastri Binti Jaffar	HR
30.	Changes in Physicochemical and Antioxidant Properties of Kuini Pulp as Affected by Steam Blanching Procedure	Saiful Bahri Bin Saari	FT
31.	Contract Farming: The Elasticity and Productivity in Banana Production	Nik Rahimah Binti Nik Omar	ES
32.	Can Blow Flies Help to Control Mango Blossom Blight?	Suhanna Binti Ahmad	HR
33.	Rapid Leaf Area Estimation of Mesta Mangosteen Using Linear Regression Models	Camillus Benno Anak Alian	IC

34.	Propagation of Harumanis Mango Using Micro-Cutting Technique for Production of True-to-Type Planting Materials	Zul Helmey Bin Mohamad Sabdin	HR
35.	"Empowering Conservation and Sustainable Utilization of Taro (Keladi) by Engagement of Farmers Community	Dr. Nor Asiah Binti Ismail	BE
36.	Augmentorium: New Sanitation Approach for the Management of Fruit Fly, <i>Bactrocera</i> spp. (Diptera: Tephritidae)	Zulaikha Binti Mazlan	HR
37.	E.A.P Formulation: A New Alternative Attractant for Red Palm Weevil (RPWF), <i>Rhynchophorus ferrugineus</i>	Wan Khairul Anuar Bin Wan Ali	IC
38.	Sensory Evaluation of Ayam Saga (MARDI) in Comparison with Hybrid Village Chicken and Broiler Chicken	Norra Binti Ismail	FT
39.	Material Selection for Poultry Slaughtering Funnel	Kamaruzaman Bin Ahmad	TE
40.	Morphological Characterisation and Fruit Quality Assessment of Selected MD2 Pineapple Variants on Peat Soil	Nurul Shamimi Binti Abdul Ghani	HR
41.	Inhibitory Effect of Kuini (<i>Mangifera odorata</i>) on the Susceptibility of Pathogenic Salmonella Causing Foodborne Illness	Datin Dr. Hazniza Binti Adnan	FT
42.	Discovering The UV Light as a Disinfection Tool for Algophagy Insect Contamination in Plant Factory	Farah Huda Binti Sjfani Suherman	HR

PEMENANG PINGAT GANGSA (PENGETAHUAN)

Bil.	Tajuk	Nama	PTJ
1.	Impact of Pre-Harvest Treatment to Overcome Sunburn Incidence on MD2 Pineapple	Norsyuhaida Binti Ahmad Shafawi	HR
2.	Urbankit for Urban B40 Community	Mohd Johaary Bin Abdul Hamid	CC
3.	Strategised Use of Fruit and Vegetable Wastes for Energy Production in Farm Facility	Dr. Sashikala A/P Maruthai Pillai	SF
4.	Pressurized Hot Water Extraction of Phytochemicals from <i>Phyllanthus tenellus</i> Roxb	Chandradevan A/L Machap	BN

5.	Control Release Mixed Fertilizers (CRF) vs Conventional Compound Fertilizer for Maize Production	Haryati Binti Mansor	SF
6.	Ayam Saga Eggs Enriched with Flaxseed Omega-3	Dr. Noraini Binti Samat	LS
7.	Effect of Weaning Age on Non-Carcass Parts of Dorper Sheep	Norhayati Binti Zaini	TE
8.	Pomelo Mutation Breeding: Development and Evaluation of Morpho-Agronomic Characteristics in Four Mutants	Noor Baiti Binti Abd Aziz	HR
9.	Determination of Harvest Maturity of Grain Corn P4546 Hybrid for Better Post-Harvest Quality	Mohd Effendi Bin Mohamed Nor	IC
10.	6XFDD'S: Implementation of Research & Innovation Management Committee (JPPI) towards MARDI Researcher's Self-Achievement using PLS-SEM	Mohd Fadil Bin Mohd Yunus	PI
11.	In Vitro Shoot Apical Meristem Response to Droplet-Vitrification Procedure for Cryopreservation of Malaysian Taro (<i>Colocasia esculenta</i> L.)	Noor Camellia Binti Noor Alam	IC
12.	Germination and Seedling Studies on Okra (<i>Abelmoschus esculentus</i> L. Moench.) as Affected by Bio-Soil Amendment	Rina Binti Singkina	TE
13.	Bactostimulant: A Plant Booster for Paddy	Mohd Zafrul Arif Bin Radhi	SF
14.	Exploring The Potential and Purchasing Behaviour for Plant Factory Products: Hotel, Restaurant and Supermarket Segmentation	Aimi Athirah Binti Ahmad	ES
15.	A Simple and Low-Toxicity Ant Baits: An Effective and Eco-Friendly Approach in Controlling Ants for Mealybugs Management in Pineapple Growth Area	Dr. Suhana Binti Yusof	HR
16.	Antagonistic Interaction of Two Pestalotiopsis and Neopestalotiopsis Endophytes, Against Pathogenic Bacteria and Fungi	Afni Binti Ali	TE
17.	Morphological Characters and Quercetin Analysis of Twenty Kesum Accessions	Ainon Dzahirah Binti Zulkafli	IC
18.	Phenotypic Characterisation of Selected Chilli Genotypes for High Yield and Resistance to Anthracnose	Norfadzilah Binti Ahmad Fadzil	HR
19.	The Potential of <i>Centratherum punctatum</i> Leaves Extract for Wound Treatment	Dr. Mohd Rosly Bin Shaari	LS
20.	Quality Assurance Manual of Biofertilizer with Beneficial Indigenous Microorganisms (BMTB)	Nor Fadilah Binti Abd. Halim	SF

	Under SIPP Fertilizer Subsidy Scheme		
21.	Comparative Analysis of <i>Stenochlaena palustris</i> Performance as Affected by Different Medium	Zarifah Binti Masni	TE
22.	Economic Assessment of MARDI's Feed Formulation for Red Tilapia Fish	Mohd Syauqi Bin Nazmi	ES
23.	MARDI'S Logo: An Assessment Towards MARDI's Guided Entrepreneur in RMK-11	Nur Diyana Binti Roslan	TE
24.	Total Polyphenol, Antioxidant Activities and Gamma Oryzanol Content in Selected Varieties of Rice	Dr. Jeeven A/L Karruppan	PR
25.	Insecticide Susceptibility Baseline: An Initiative for Insecticide Resistance Monitoring for Rice Stem Borer	Nur Atiqah Binti Mohd Khari	PR
26.	MARDI Technical Advisory Services Impact Under 11th Malaysia Plan	Ahmad Zairy Bin Zainol Abidin	ES
27.	CoaTein: A New Edible Protein Based Fruit Coating for Banana (<i>Musa</i> spp.)	Wan Mahfuzah Binti Wan Ibrahim	HR
28.	Microgravity: How Does It Affect Chili Seeds?	Zaitialia Binti Mohlisun	CB
29.	The Alternatives for Rice Straw Degradation and Water Management Towards Sustainable Environmental Quality	Dr. Hairazi Bin Rahim @ Abdul Rahim	ES
30.	The Best Time for Fertiliser Application in Grain Corn Production	Halimah Binti Hashim	IC
31.	Sharing the Diversity of Malaysian Wild Banana Globally Through Seed Conservation	Suryanti Binti Bustam	BE
32.	Use of Flower Strips for Pest Management in Kuini (<i>Mangifera odorata</i>): Enhancing Arthropod Diversity and Fruit Yield	Nurin Izzati Binti Mohd Zulkifli	BE
33.	Performance of Selected Mango Accessions in Self-Watering Container for Urban Farming	Mohd Azhar Bin Hassan	HR
34.	Survival Strategies of MARDI's Borneo Entrepreneurs Amidst the Covid-19 Crisis	Siti Shurazizah Binti Sukhur	TE
35.	Chemical Health Risk Assessment Using Bleaching Agent as Disinfectant to MARDI Workers	Dr. Noor Shaeda Binti Ismail	AM
36.	Consumer Acceptance and Preferences: Fermented Drink Based on Selected Indigenous Fruits	Dr. Norzalila Binti Kasron	ES

37.	Ready-to-Use Umai Marinating Sauce: Sarawak Umai Instantly at Your Fingertips	Dr. Chua Hun Pin	FT
38.	Impact of Enzymatic Assisted Extraction on Proline and Free Amino Acids Enrichment in Bee Bread from <i>Heterotrigona itama</i>	Nur Diyana Binti Alyas	FT
39.	Inducing Superovulation in Charoke Cows for In Vivo Embryo Production	Dr. Habsah Binti Bidin	LS
40.	Agri-Food Product Export Guidance to The United States	Erny Sabrina Binti Mohd Noor	IC
41.	Effect of Ground Magnesium Limestone for the Improvement of Peat Soil Strength	Peter Laga Anak Lium	ER
42.	Ricenola Bar: Traditional Puffed Rice Snack with a Sarawakian Twist	Nicholas Anak Daniel	FT
43.	Malaysian Herbal Monograph: Golden Reference Towards Authentication of Standardised Herbal Products	Dr. Samsiah Binti Jusoh	IC
44.	LED Light Irradiation for Control of Disease and Microbial Contamination Control in Plant Factory	Nur Adliza Binti Baharom	HR
45.	Characterising Genes Highly Expressed During the Ripening Process of Harumanis Using NGS and Bioinformatics Approach	Muhammad Fairuz Bin Mohd Yusof	BN
46.	Okara Yogurt - From Waste to Value-Added Food Product	Muhammad Anas Bin Othaman	TE
47.	Rooting Evaluation of Durian Cuttings from Different Sources Through Cutting Technique and Analysis of Selected Secondary Metabolites Content	Ahmad Hafiz Bin Buniamin	HR
48.	Analysis of Quercetin, A Chemical Constituent of Cauliflower	ChM. Mohd Lip Bin Jabit	CB
49.	Preliminary Assessment of Stingless Beekeepers' Income in Sarawak During The Covid-19 Pandemic	Syah Nor Iman Bin Othman	TE
50.	The Effects of Covid-19 Pandemic to MARDI Perlis Agrotechnopreneurs	Yusmizawati Binti Mohd Yusob	TE
51.	Adaptation of Business Model Canvas Towards More Competitive Innovation	Mohd Nur Hafiz Bin Mat Azmin	CB
52.	MoViCES Architecture for Meliponiculture Diagnostic Application Development	Izatul Lail Bin Mohd Yasar	IM
53.	MAG - Creating Premium Brand for Local Agropreneur Products	Hafiz Aizat Bin Yanan	TE

54.	Critical Success Factors of Commercialisation of R&D Outputs in Government Research Institutes	Fiona Naqiah Binti Mustapha	CB
55.	AGROINVEST: High Impact Promotional and Marketing Strategies	Norfaiza Binti Ismail	CB