

KEPUTUSAN PENUH MSTE 2019

1. ANUGERAH KHAS MSTE 2019

Anugerah	Pemenang	Tajuk Inovasi/ Pengetahuan	PTJ
DIRECTOR GENERAL'S SPECIAL AWARD	AMIRRUDIN BIN MOKHTAR	MARDI SEBERNAS 307: THE BEST PADDY VARIETY A FARMER CAN GET.	DG
BEST OF THE BEST AWARD	MOHAMMAD ABID BIN AHMAD:	SPECIAL FORMULATED LED GROW LIGHT FOR ECONOMIC PRODUCTION OF HIGH VALUE VEGETABLES IN PLANT FACTORY.	HR
BEST AWARD (INNOVATION)	MOHAMMAD ABID BIN AHMAD:	SPECIAL FORMULATED LED GROW LIGHT FOR ECONOMIC PRODUCTION OF HIGH VALUE VEGETABLES IN PLANT FACTORY.	HR
BEST AWARD (KNOWLEDGE)	DANG LELAMURNI BINTI ABD RAZAK:	<i>SCHIZOPHYLLUM COMMUNE</i> (CENDAWAN KUKUR): A POTENTIAL COSMECEUTICAL BIO-INGREDIENT WITH ANTI-PIGMENTATION AND ANTI-WRINKLE PROPERTIES.	FT
YOUNG SCIENTIST AWARD (INNOVATION)	TIADA PEMENANG		
YOUNG SCIENTIST AWARD (KNOWLEDGE)	KHALISANNI BIN KHALID:	DEVELOPMENT OF KINETIC PROBE TO DETERMINE RELATIVE COUNTERION BINDING CONSTANT (R_x^{BR}) FOR CATIONIC FLEXIBLE NANOPARTICLE (CFN) SYSTEM.	BN

BEST B40 SOLUTION AWARD	AMIRRUDIN BIN MOKHTAR:	MARDI SEBERNAS 307: THE BEST PADDY VARIETY A FARMER CAN GET.	DG
BEST GREEN TECHNOLOGY AWARD	MUHAMMAD SYAHREN BIN ADZHAR:	GREENCOAT: A SMART FERTILIZER FOR PAPAYA PRODUCTION.	SF
BEST BOOTH AWARD	SAKINAH BINTI IDRIS:	CPIS: THE SOLUTION FOR MASS PROPAGATION OF <i>ARUNDINA GRAMINIFOLIA</i>	HR
PEOPLE'S CHOICE AWARD.	KHALISANNI BIN KHALID:	DEVELOPMENT OF KINETIC PROBE TO DETERMINE RELATIVE COUNTERION BINDING CONSTANT (R_x^{BR}) FOR CATIONIC FLEXIBLE NANOPARTICLE (CFN) SYSTEM.	BN

2. PEMENANG PINGAT EMAS MSTE 2019 KATEGORI INOVASI

NO	Pemenang	Tajuk Inovasi	PTJ
1	NUR AZLIN BINTI RAZALI	PACKAGE TECHNOLOGY FOR EXPORTING PREMIUM DURIAN 'MUSANG KING' BY CRYOGENIC FREEZING	HR
2	CHUA HUN PIN	JUICE PEARL KIT: TRANSFORMING LIQUIDS INTO POPS OF FLAVOURS	FT
3	SAKINAH BINTI IDRIS	CPIS: THE SOLUTION FOR MASS PROPAGATION OF <i>Arundina graminifolia</i>	HR
4	FARIDAH BINTI HUSSIN	GLUTEN FREE PARATHA PREMIX FROM TUBERS AND VEGETABLES	FT
5	MOHAMMAD ABID BIN AHMAD	SPECIAL FORMULATED LED GROW LIGHT FOR ECONOMIC PRODUCTION OF HIGH VALUE VEGETABLES IN PLANT FACTORY	HR
6	AMIRRUDIN BIN MOKHTAR	MARDI SEBERNAS 307: THE BEST PADDY VARIETY A FARMER CAN GET	DG
7	NOR SALASIAH BINTI MOHAMED	PUFA PREMIX FISH SOUP WITH MUSHROOM	FT
8	AHMAD BIN NGALIM	CAMEREEN, MARDI'S CONTRIBUTION TO MALAYSIA COCONUT INDUSTRY	IC
9	MUHAMMAD SYAHREN BIN ADZAHAR	GreenCoat: A SMART FERTILIZER FOR PAPAYA PRODUCTION	SF
10	GANISAN A/L KRISHNEN	BIOPROSPECTION OF SYSTEMIC RESISTANCE INDUCING PLANT GROWTH PROMOTING RHIZOBACTERIA (PGPR) TO CONTROL BLOOD DISEASE OF BANANA	SF

3. PEMENANG PINGAT PERAK MSTE 2019 KATEGORI INOVASI

NO	Pemenang	Tajuk Inovasi	PTJ
1	MOHD SHAHMIHAIZAN BIN MAT JUSOH	COMBINE HARVESTER SETTING THROUGH MARDI SOP APP: REDUCING HARVESTING LOSS	ER
2	MOHD FAZLY BIN MAIL	MULTI-ROTARY DRUM COMPOSTER FOR RAPID FOOD WASTE COMPOST	ER
3	SAIFUL AZWAN BIN AZIZAN	'ROTI KERAMAT' DOUGH FORMING MACHINE	ER
4	MOHAMAD BAHAGIA BIN AB GHAFAR	NEW FACE OF MR219 VARIETY WITH SUPER RESISTANT CHARACTERS	IC
5	MOHD RIDZUAN BIN MOHD DAUD	MICRO-CUTTING: REVOLUTION IN MESTA PROPAGATION	HR
6	NOOR ZAINAH BINTI ADZALY	ECO-FRIENDLY, CHITOSAN-BASED FOOD PACKAGING MATERIAL FOR 'ASAM PEDAS' CUBE	FT
7	NOR ZALINA BINTI MAT SAAD	FROZEN DESSERTS FOR LACTOSE INTOLERANCE AND DYSPHAGIA IN ELDERLY	FT
8	MUHD AKHTAR BIN MOHAMAD TAHIR	NEW STRUCTURE DESIGN FOR INDOOR CULTIVATION USING COMPOSITE PANEL FOR URBAN AGRICULTURE	ER

4. PEMENANG PINGAT GANGSA MSTE 2019 KATEGORI INOVASI

NO	Pemenang	Tajuk Inovasi	PTJ
1	LAU HAN YIH	FLOCTEST™: A FIELD-READY DIAGNOSTIC KIT FOR THE DETECTION OF MAJOR RICE DISEASES	BN
2	NORMA BINTI HUSSIN	BY-PRODUCTS OF COCONUT SHELLS FOR INDUSTRIAL USES: PLANT WASTE TO WEALTH	IC
3	MOHAMAD FAKHRUL ZAMAN BIN OMAR	REDUCING SOFT SOIL PROBLEMS USING MOLE DRAIN	ER
4	MOHD WAZNUL ADLY BIN MOHD ZAIDAN	GOLDEN VEGGIE: HYDROXYCINNAMIC ACID-RICH FORMULATION FOR WEIGHT MANAGEMENT	BN
5	MOHD KHUSAIRY BIN KHADZIR	LIGHTWEIGHT GROUSERS FOR AGRICULTURAL TRACKS: NEW SOLUTION FOR SOFT SOIL PROBLEM	ER
6	WAN MAHFUZAH BINTI WAN IBRAHIM	REFINING GOLDEN KUINI (<i>Mangifera odorata</i>) POTENTIAL BY OPTIMISING THE POSTHARVEST HANDLING	HR
7	ROHAZRIN BIN ABDUL RANI	4-HALF TRACK WITH HIGH AXLE SYSTEM: A SOLUTION FOR MECHANIZED PRODUCTION OF PINEAPPLES ON PEAT SOIL	ER
8	KHAIRUNIZAH HAZILA BINTI KHALID	PUDDING-JELLY PREMIX IMPROVES ELDERLY MUSCLE MASS RECOVERY	FT
9	TUN NORBRILLINDA BINTI MOKHTAR	NUTRITION-ON-THE-GO: BAR FOR GERIATRIC	FT
10	KHAIRUL ASFAMAWI BIN KHULIDIN	ICAPIm SYSTEM: A HOLISTIC APPROACH FOR AGRICULTURAL TECHNO AGROPRENEURS	SF
11	IZATUL LAIL BIN MOHD YASAR	DIY TECHNIQUES TO RELOCATE FERAL HONEY BEES (<i>Genus Apis</i>) FROM RESIDENTIAL AREAS	IM

12	MOHD FAHIMEE BIN JAAPAR	SUSTAINABLE QUEEN BEE REARING FOR STINGLESS BEE INDUSTRY	BE
13	HAFIDHA BINTI AZMON	LOW COSTS SOIL DISPENSING MACHINE FOR FILLING NURSERY TRAYS	ER
14	ASNAWI BIN SHAHAR	AFFORDABLE LIBERICA COFFEE BEANS ISOLATING MACHINE	ER
15	MOHD SAUFI BIN BASTAMI	BIO-FLOWT: FUTURE BIODIGESTER FOR SMALL MEDIUM FARMERS	BE

5. PEMENANG PINGAT EMAS MSTE 2019 KATEGORI PENGETAHUAN

NO	Nama	Tajuk Pengetahuan	PTJ
1	DANG LELAMURNI BINTI ABD RAZAK	<i>Schizophyllum commune</i> (CENDAWAN KUKUR): A POTENTIAL COSMECEUTICAL BIO- INGREDIENT WITH ANTI-PIGMENTATION AND ANTI-WRINKLE PROPERTIES	FT
2	KHALISANNI BIN KHALID	DEVELOPMENT OF KINETIC PROBE TO DETERMINE RELATIVE COUNTERION BINDING CONSTANT (R_x^{Br}) FOR CATIONIC FLEXIBLE NANOPARTICLE (CFN) SYSTEM	BN
3	NOOR AZIZAH BINTI AHMAD	INTELLIGENT PACKAGING: MONITORING SHRIMP FRESHNESS VIA NATURAL DYE SENSING FILM	FT
4	SUHAINA BINTI SUPIAN	WHAT MAKES EKSOTIKA PAPAYA SUSCEPTIBLE TO DIEBACK DISEASE?	BN
5	SEW YUN SHIN	A HEALTHIER GUT MICROBIOTA VIA FUNCTIONAL PAPAYA BEVERAGES AS EMERGING STRATEGY IN BODY WEIGHT MANAGEMENT	BN
6	KOGEETHAVANI A/P RAMACHANDRAN	<i>Burkholderia glumae</i> : A NEW THREAT TO RICE PRODUCTION IN MALAYSIA	PR
7	SHAHIDA BINTI HASHIM	FLORAL TRAITS, FLOWERING BEHAVIOR AND POLLINATION OF MALAYSIAN CYTOPLASMIC MALE STERILE AND MAINTAINER LINES OF HYBRID RICE	PR
8	ROSLINA BINTI ALI	RICE POLICY EVALUATION: EMPIRICAL ANALYSIS ON SELF-SUFFICIENCY, INTERNATIONAL TRADE AND FOOD SECURITY IN MALAYSIA	ES
9	RAHINIZA BINTI KAMARUZAMAN	CO-DEVELOPMENT AND TRANSFER OF RICE TECHNOLOGIES: AN EVALUATION OF IMPORTANT TRAITS ON SELECTED SOUTHEAST ASIAN RICE VARIETIES	PR

10	AMIN ASYRAF BIN TAMIZI	<i>IN SILICO</i> CHARACTERISATION OF ALTERNATIVE SIGMA FACTOR <i>HRPL</i> , A SMALL PROTEIN THAT REGULATES PATHOGENICITY IN <i>Erwinia mallotivora</i>	BN
11	MOHD AZLAN BIN PAUZI	HELMINTHIASIS EFFECT ON KATJANG HYBRID GOAT	LS
12	WAN KHAIRUL ANUAR BIN WAN ALI	ERADICATION OF WHITE GRUBS (<i>Phyllophaga</i> sp.) ON SWEET POTATO USING BIOPESTICIDE TOWARDS GREEN ENVIRONMENT APPROACH	IC
13	MOHD AZHAR BIN HASSAN	FIELD PERFORMANCE OF PAPAYA LINES SELECTED FOR RESISTANCE TO DIEBACK DISEASE	HR
14	ELMALIANA BINTI ALBAHARI	FUSION CLAHE-BASED IMAGE ENHANCEMENT WITH FUZZY THEORY	IM
15	NOR AHYA BINTI MAHADI	EFFICIENT MASS PRODUCTION OF PARASITOID <i>trichospilus pupivorus</i> , TO CONTROL BLACK-HEADED CATERPILLAR ON COCONUT	IC
16	MOHD HAFIZUDIN BIN ZAKARIA	SOCIO-ECONOMIC IMPACTS OF TRADE LIBERALISATION ON COCONUT INDUSTRY	ES
17	MOHD IZWAN BIN MOHD LAZIM	OPTIMISATION OF FERMENTATION PARAMETERS THROUGH RESPONSE SURFACE METHODOLOGY	FT
18	CHONG TET VUN	<i>Azolla</i> : BIOLOGICAL AGENT FOR WEED CONTROL IN ORGANIC RICE FIELD	PR
19	NOR AYSHAH ALIA BINTI ALI HASSAN	DECIPHERING THE EFFECT OF FERTILIZER ON RHIZOSPHERE BACTERIAL COMMUNITIES IN PEAT	SF
20	NORAINI BINTI SAMAT	DIGESTA RETENTION TIME AND PHYTATE PHOSPHORUS DEGRADATION IN BROILERS INFLUENCED BY DIETARY FAT AND FIBRE LEVELS	LS
21	MOHD AFENDY BIN ABDUL TALIB	PCR-ELISA: A HIGH-THROUGHPUT DETECTION SYSTEM FOR FOODBORNE PATHOGENS USING <i>Salmonella</i> Enteritidis AS A STUDY	BN

22	LIZA NURIATI LIM KIM CHOO	PINEAPPLE RESIDUE ASH: A GREENHOUSE GAS MITIGATION TOOL FOR TROPICAL PEAT SOIL	SF
23	MOHAMAD HIFZAN BIN ROSALI	KATJANG HYBRID: MARDI'S NEW COMPOSITE GOAT BREED FOR SUSTAINABILITY OF SMALL RUMINANT INDUSTRY	LS
24	NUR SYAFINI BINTI GHAZALI	ENHANCING POSTHARVEST QUALITY OF SELECTED VEGETABLES BY OPTIMISING THE LIGHT-EMITTING DIODES (LEDs) APPLICATION	HR
25	SITI AISYAH BINTI ABDULLAH	THAWING TECHNIQUES: THE BEST WAY TO CONSUME YOUR FROZEN DURIAN	HR
26	SUHANA BINTI SAFARI	THE POTENTIAL OF MALAYSIAN TROPICAL FRUITS IN THE GULF COOPERATION COUNCIL (GCC) MARKET	ES
27	MOHD AZIZ BIN RASHID	EFFECTS OF HAZE ON NET PHOTOSYNTHETIC RATE, STOMATAL CONDUCTANCE AND YIELD OF MALAYSIAN RICE VARIETIES	BE
28	MOHD ZULKHAIRI BIN AZID	TRADITIONAL EGGPLANT: UTMOST DISCOVERY OF ITS PHYTOCHEMICALS	BE
29	NICHOLAS ANAK DANIEL	PARTICLE SUSPENSION BEVERAGE (PSB)- TECHNOLOGY OF PARTICLE SUSPENSION	FT
30	ZULAIKHA BINTI MAZLAN	ROSELLE FRUIT EXTRACTS AS A POTENTIAL FEEDING AND OVIPOSITION DETERRENT FOR THE MANAGEMENT OF DIAMONDBACK MOTH	HR
31	NURUL AMMAR ILLANI BINTI JAAFAR	THE INVISIBLE KINGDOM INSIDE THE <i>Heterotrigona itama's</i> GUT: POTENTIAL BACTERIA FOR APICULTURE FUTURE	BE
32	IZLAMIRA BINTI ROSLAN	MORPHOLOGICAL VARIATION OF <i>Kaempferia</i> : ORNAMENTAL POTENTIAL WITH IMMENSE MEDICINAL VALUE	IC
33	YONG SU TING	COPRA CAKE BASED EXTRUDED FEED FOR RED HYBRID TILAPIA	LS

6. PEMENANG PINGAT PERAK MSTE 2019 KATEGORI PENGETAHUAN

NO	Nama	Tajuk Pengetahuan	PTJ
1	MOHD HAFIZ BIN ABD WAHAB	BALI CATTLE: FUTURE BEEF CATTLE BREED FOR MALAYSIA	LS
2	MOHD FITRI BIN MASARUDIN	LIGHT TRAPPING: ALTERNATIVE TO MANUAL POPULATION SAMPLING OF RICE BROWN PLANTHOPPER (BPH)	PR
3	ARINA BINTI MOHD NOH	OPTIMISATION OF LARGE-SCALE INTERMITTENT DRYING USING CFD SIMULATION	ER
4	NURUL SHAMIMI BINTI ABDUL GHANI	JOSAPINE-BASED PINEAPPLE HYBRID WITH HIGH PERFORMANCE AND GOOD ADAPTABILITY ON PEAT SOIL	HR
5	NOORAISYAH BINTI SAHARANI	LACTATION STAGE FEEDING PROMOTES MILK PRODUCTION AND MINIMIZES FEED COST IN DAIRY CATTLE	LS
6	AZLINA BINTI MANSOR	RICE BRAN AND SPENT COFFEE AS PROMISING SUBSTRATES FOR ENHANCED TANNASE PRODUCTION BY <i>Aspergillus niger</i> PN1 UNDER SOLID STATE FERMENTATION	FT
7	NUR FARAH HANI BINTI MUHAMAD	ANTHOCYANIN-RICH RED CABBAGE-ROSELLE MIXED DRINK	FT
8	FARAH HUDA BINTI SJAFNI SUHERMAN	POTENTIAL FOR USING ENTOMOPATHOGENIC FUNGI TO COMBAT WHITEFLIES, A VECTOR CAUSING VIRAL DISEASE IN CHILLI	HR
9	NURUL AFZA BINTI KARIM	BREEDING SWEET POTATO FOR COMMERCIALIZATION: YIELD AND AGRONOMIC TRAITS OF MUTANT PURPLE SWEET POTATO (<i>Ipomoea batatas</i> (L.) Lam)	HM
10	NOR ASIAH BINTI ISMAIL	DISCOVERING THE GENETIC DIVERSITY OF TORCH GINGER	BE
11	WAN MOHD REZA IKWAN BIN WAN HUSSIN	ESTABLISHMENT OF LOWEST SAFE O ₂ LEVELS FOR DURIAN STORAGE THROUGH APPLICATION OF CHLOROPHYLL FLUORESCENCE-BASED STRESS MONITORING SYSTEM	HR
12	ARIF ZAIDI BIN JUSOH	WORLD'S FIRST STINGLESS BEE HONEY SPECIFICATION- MALAYSIAN STANDARD MS2683	FT
13	ASLINAH LEE NYUK FONG BT MD RIZAL LEE	HIGH FIBER COOKIE: VALUE ADDED RICE BASED PRODUCT UTILISING FIBER FROM FOOD INDUSTRIAL WASTE	TE

14	NOOR ISMAWATY BINTI NORDIN	MINIMIZED ANTHOCYANIN LOSSES IN MUTANT SWEET POTATOES THROUGH POSTHARVEST HANDLING IMPROVEMENT	IC
15	KHAIRUN HISAM BIN NASIR	DEVELOPMENT OF DNA FINGERPRINTING OF STARFRUIT HYBRIDS	BN
16	SURYANTI BINTI BUSTAM	ALTERNATIVE GERMPLASM CONSERVATION METHOD OF POTENTIAL RAREFRUIT SPECIES (<i>Lepisanthes fruticosa</i>)	BE
17	MOHAMMAD SHAHID BIN SHAHRUN	EFFICIENT, HIGH RELIABILITY AND LOW COST AGRICULTURE WASTE AS BIO-ADSORBENT FOR PESTICIDES	SF
18	MUHAMMAD ZAMIR BIN ABDUL RASID	RATE-IT-RIGHT: DETERMINATION OF REGIONAL FERTILIZER APPLICATION USING SPATIAL DECISION SUPPORT TOOLS	SF
19	SUKIRAH BINTI ABDUL RAHMAN	IDENTIFICATION OF POTENTIAL INDIGENOUS MICROBES FROM LOCAL FERMENTED VEGETABLES WITH ANTIMICROBIAL ACTIVITY	FT
20	MOHD ASRUL BIN SANI	MORPHOLOGICAL CHARACTERIZATION AND SSR ANALYSIS OF DROOP AND ERECT MANGO CV. HARUMANIS (<i>Mangifera indica</i> L.)	DG
21	MUHAMMAD AFIQ BIN TAJOL ARIFFIN	SELF INCOMPATIBILITY IN 'MUSANG KING', A NEW DISCOVERY THAT CAN PREVENT OPTIMUM 'MUSANG KING' PRODUCTION IN FUTURE	HR
22	NORHAYATI BINTI ZAINI	INNOVATIVE FEED FORMULATION FOR SABAH DAIRY CATTLE FARMERS	TE
23	AMIE MARINI BINTI ABU BAKAR	POLYMORPHISM OF THE GROWTH GENE IN MARDI'S NEW COMPOSITE GOAT BREED	LS
24	AMSAL BINTI HJ ABD GHANI	COSMECEUTICAL POTENTIAL (ANTI-PIGMENTATION AND ANTI-WRINKLE EFFECTS) OF <i>Aspergillus</i> -FERMENTED RICE BRAN	FT
25	SITI ZAINAB BINTI JANTAN	EST-SSR MARKER DISCOVERY AND VALIDATION FOR GINGER (<i>Zingiber officinale</i>)	BN
26	IZUDDIN BIN ABDUL RAHMAN	THE INFLUENCE OF LACTOBACILLI ON AMINO ACID PROFILE OF FERMENTED COCONUT WATER	FT

27	AZLINA BT MOHD DANIAL	<i>Lactobacillus plantarum</i> STRAIN HT-W104-B1: POTENTIAL MICROBE AGAINST DERMATOPHYTES	FT
28	JEFFREY LIM SENG HENG	VEGCOTE: AN EASY WAY TO APPLY PLANT GROWTH PROMOTING BACTERIA (PGPB) ON FIELD	BE
29	MAISARAH BINTI MOHAMAD SAAD	VISION MANIPULATION: ECO-FRIENDLY APPROACHES FOR STORED RICE INSECT PESTS CONTROL	PR
30	NORAFIDA BINTI AZIZUDDIN	BLANCHING: AN IMPORTANT PROCESS TO PRODUCE GOOD QUALITY FROZEN CUT GREEN CAPSICUM	PR
31	SYAHIDA BINTI MAAROF	HEALTHY BURGER IN COMBATING HYPERCHOLESTEROLEMIA	FT
32	HAZNIZA BINTI ADNAN	ANTIPATHOGENIC EFFECTS OF KUINI (<i>Mangifera odorata</i>) FOR FUTURE HEALTH PRODUCTS	FT
33	ZARIFAH BINTI MASNI	COMPARATIVE ANALYSIS OF COLOURED RICE PROTEIN CONTENT AS AFFECTED BY DIFFERENT FERTILIZER PACKAGES	TE
34	ROSNANI BINTI ABD GHANI	SAFE AND QUALITY HERBAL RAW MATERIALS: OPTIMISING THE PRODUCTION OF MISAI KUCING (<i>Orthosiphon aristatus</i>) THROUGH NUTRIENT MANAGEMENT IN COMPLIANCE WITH MyGAP REGULATION	IC
35	NIK HAFIZAH BINTI NIK UBAIDILLAH	PREMIX LIBERICA COFFEE WITH <i>Centella asiatica</i> : HIGH ANTIOXIDANT DRINK FOR GERIATRIC	FT
36	NORFADZILAH BINTI AHMAD FADZIL	HEAT TOLERANT CAULIFLOWER HYBRID FOR LOWLAND CULTIVATION IDENTIFIED	HR
37	NURUL SYAZILA BINTI ABD RANI	EMPOWERMENT OF PERLIS HARUMANIS MANGO INDUSTRY THROUGH TRANSFER OF TECHNOLOGY	DG
38	RAWAIDA BINTI RUSLI	MODERN vs. TRADITIONAL CAKE PRODUCTION TECHNOLOGY: THE CONSUMERS INSIGHT	ES
39	SHAMSUL AMRI BIN SAIDON	NEW IMPROVED MAMUT RICE LINES: HIGH ANTIOXIDANT ACTIVITY AND GOOD AGRONOMIC TRAITS	PR
40	NURZAM EZDIANI BINTI CHE HUSSIN@ ZAKARIA	GRAPHENE NANOPLATLETS/ <i>Sansevieria trifasciata</i> /POLYMER HYBRID COMPOSITES: A MULTIFUNCTION PACKAGING MATERIAL FOR VARIOUS APPLICATIONS	FT
41	FAUZI BIN JUMAT	FUTURE PROOF FOR SUSTAINABLE RICE PRODUCTION UNDER EXTREME CLIMATE CONDITION	BE

42	NOOR SHAEDA BINTI ISMAIL	HAZARD IDENTIFICATION, RISK ASSESSMENT AND RISK CONTROL (HIRARC) FOR THE USE OF CALCIUM CARBIDE AS RIPENING AGENT AMONG FARMERS	CB
43	MOHD NAZRI BIN BAHARON	STANDARD OPERATION PROCEDURE (SOP) FOR INSECT PESTS AND DISEASES OF MISAI KUCING (<i>Orthosiphon stamineus</i>)	IC
44	SALEHUDIN BIN MD RADZUAN	VEGETATIVE PERFORMANCE OF MULTIPLE PLANTING MATERIALS OF <i>Garcinia mangostana</i> (GRAFTED MANGOSTEEN AND ADVANCED PLANTING MATERIALS)	HR
45	MUHAMMAD NAIM FADZLI BIN ABD RANI	DSMap: A WAY FORWARD FOR SUSTAINABLE FUTURE RICE FARMING	PR
46	AMINAH BINTI MAHMUD	THE FIRST RECORD OF THE INCIDENCE OF CUCUMBER MOSAIC VIRUS (CMV) ON <i>Orthosiphon stamineus</i> (MISAI KUCING) IN PENINSULAR MALAYSIA	BE

7. PEMENANG PINGAT GANGSA MSTE 2019 KATEGORI PENGETAHUAN

NO	Nama	Tajuk Pengetahuan	PTJ
1	SHAI DATUL AZDAWIYAH BT ABDUL TALIB	GREENHOUSE GAS (GHG) EMISSIONS FROM RICE CULTIVATION: WHAT THE FUTURE HOLDS? CAN WE ADAPT AND MITIGATE?	BE
2	RASMUNA MAZWAN BINTI MUHAMMAD	URBAN FARMING: IS AGRICULTURAL REVOLUTION POSSIBLE?	ES
3	ERWAN SHAH BIN SHARI	RELATIVE EFFICACY OF INSECTICIDES IN THE MANAGEMENT OF RICE GALL MIDGE, <i>Orseolia oryzae</i>	PR
4	IZYANI BINTI RASHIP	MANIPULATION OF CYCLICAL WATER STRESS TECHNIQUE TO INCREASE FLAVONOIDS CONTENT IN MAS COTEK (<i>Ficus deltoidea</i>)	IC
5	MASNIRA BINTI MOHAMMAD YUSOFF	MASS PROPAGATION OF NEW ORNAMENTAL PINEAPPLE HYBRID (OC5) FOR LANDSCAPING	HR
6	NURIN IZZATI BINTI MOHD ZULKIFLI	UNEXPLORED POTENTIAL OF INSECTS TO CONTROL WEED	BE
7	MOHD ZAFRUL ARIF BIN RADHI	ENRICHED SEAWEED BASED BIOSTIMULANT FOR CROP PRODUCTION	SF
8	SITI NORHAYATI BINTI ISMAIL	GENETIC ASSESSMENT OF CULTIVATED TOMATO	BN
9	MUHAMMAD BIN MOHD SABRI	EGG PRODUCTION AND HATCHABILITY PERFORMANCE OF 'AYAM KAMPUNG MARDI' USING 1:8 MALE FEMALE RATIO	LS
10	AZUAN BIN AMRON	ADOPTING INTERNATIONAL STANDARDS: THE MARDI RICE GERMPLOSM DATA AVAILABLE GLOBALLY THROUGH DIGITAL OBJECT IDENTIFIER (DOI) AND GENESYS	BE
11	AHMAD HAFIZ BIN BUNIAMIN	EVALUATION OF SELECTED MANGO ROOTSTOCKS FOR PRODUCTION OF HIGH QUALITY HARUMANIS PLANTING MATERIAL	HR
12	ZAULIA BINTI OTHMAN	POSTHARVEST HANDLING TECHNOLOGY OF ASAM GELUGUR (<i>Garcinia atroviridis</i> Griff. ex T. Anderson) FOR MARKET NEEDS	IC
13	AMIR SYARIFFUDDEEN BIN MHD ADNAN	DRYING PERFORMANCE OF MOBILE DRYER AND PHYSICAL QUALITY ASSESSMENT OF DRIED GRAIN CORN	ER
14	NOORMAN AFFENDI BIN MARZUKHI	EFFECTS OF P CONCENTRATION ON ROOT AND SHOOT GROWTH OF SELECTED RICE VARIETIES GROWN IN HYDROPONICS	DG

15	MARSHALL KANA SAMUEL	DOES ARTIFICIAL COMPACTION ON TROPICAL PEAT LAND AFFECTS CARBON EMISSIONS?	SF
16	NOOR FADILAH BINTI MOHD BAKRI	ACRYLAMIDE: THE HIDDEN HAZARD IN LOCAL KEREPEK	FT
17	FARAHYAH ILYANA BINTI JAMALUDIN	LOCAL PROTEIN AND ENERGY SOURCES AS FEED FOR TILAPIA	LS
18	MOHD SYAUQI BIN NAZMI	THE RISK OF COLOURED RICE PLANTING AND PRODUCTION IN PENINSULAR MALAYSIA: A RISK MANAGEMENT MODEL APPROACH	ES
19	ARIFF MERICAN BIN DIN MERICAN	TOP GRAFTING OF <i>Baccaurea motleyana</i> : A NEW PROPAGATION METHOD FOR PRODUCTION OF RAMBAI SEEDLINGS	CB
20	FARIDAH BINTI MANAF	POTENTIAL OF RARE-EARTH BY-PRODUCT AS MATERIAL FOR SOIL AMENDMENT FOR BRIS SOIL	SF
21	MOHD ZAFFRIE BIN MAT AMIN	FOOD AND AGRICULTURAL MARKET POTENTIAL IN VIETNAM	ES
22	YASEER SUHAIMI BIN MOHD	PLANTING OF BANANAS (<i>Musa paradisiaca</i>) USING SOIL-BASED FERTIGATION	IC
23	NORRA BINTI ISMAIL	PROMISING FUNCTIONAL INGREDIENT FROM SEMPORNA BROWN SEAWEED, <i>Sargassum</i> sp.	FT
24	NIK RAHIMAH BINTI NIK OMAR	TECHNOLOGY ADOPTION IN TRADITIONAL CAKE INDUSTRY IN MALAYSIA	ES
25	MUHAMMAD IZZAT FARID BIN MUSADDIN	DEVELOPMENT OF DASHBOARD TO SELECT TRAIT-SPECIFIC RICE ACCESSIONS IN MARDI GENE BANK	IM
26	DZULFAZLY BIN AMINUDIN	BREEDLOT: AN ALTERNATIVE SYSTEM/CONCEPT OF ANIMAL PRODUCTION	LS
27	HABSAH BINTI BIDIN	SEMEN CHARACTERISTICS OF POTENTIAL 'AYAM KAMPUNG MARDI' BREEDING FOWLS	LS
28	AHMAD ZAIRY BIN ZAINOL ABIDIN	SOCIOLOGICAL BEHAVIOUR INFLUENCING PRODUCTION GAP IN IADA SEBERANG PERAK, IADA KERIAN AND IADA BARAT LAUT SELANGOR	ES

29	NUR SULASTRI BINTI JAFFAR	<i>Dickeya fangzhongdai</i> : NEW THREAT TO MALAYSIAN JACKFRUIT	HR
30	MOHD AZWAN BIN JAAFAR	SEX SPECIFIC SNP PANEL FOR GIANT FRESHWATER PRAWN, <i>Macrobrachium rosenbergii</i>	BN
31	HAIRAZI BIN RAHIM @ ABDUL RAHIM	ECONOMIC POTENTIAL AND FARMERS' ACCEPTANCE OF MARDI PRECISION AGRICULTURAL TECHNOLOGIES	ES
32	NIK ROZANA BINTI NIK MOHD MASDEK	ORNAMENTAL PLANTS: HOW PRICE SENSITIVE IS OUR LOCAL INDUSTRY?	ES
33	SUZALYNA BINTI MOS	PARBOILED RICE: THE PROCESS AND IMPACT ON RICE MILLING QUALITY	TE
34	AIMI ATHIRAH BINTI AHMAD	THE IMPACTS OF IMPORT LIBERALISATION ON LIVESTOCK INDUSTRY: TOWARDS ACHIEVING MARKET EQUILIBRIUM, FOOD SECURITY AND CONSUMER SOCIO WELFARE	ES
35	NGAN CHAI KEONG	GENERATION OF LUFENURON RESIDUE DATA FROM SUPERVISED RESIDUE TRIALS TO SUPPORT LUFENURON RECOMMENDATION ON PADDY FOR CONTROL OF LEAF FOLDER	SF
36	MOHAMED HAFEIFI BIN BASIR	GUAVA (<i>Psidium guajava</i>) PRUNING TECHNIQUES CULTIVATED IN SELF-WATERING CONTAINERS (SWC)	HR
37	MUHAMMAD HANIFF BIN AHMAD	ELECTRICAL RESISTIVITY TOMOGRAPHY AND INDUCED POLARISATION METHOD APPLIED FOR TUBEWELL DEVELOPMENT IN ALLUVIAL DEPOSIT	ER
38	FAIZAH SALVANA BT ABD RAHMAN	SEEDLING ESTABLISHMENT OF RAMBAI (<i>Baccaurea motleyana</i>) FOR ROOTSTOCK PRODUCTION	IC
39	HARYATI BINTI MANSOR	EVALUATION OF HEAVY METAL CONTENT AND UPTAKE BY RYEGRASS IN RELATION TO VARIOUS SOIL CONDITION	SF
40	NOR AMNA A'LIAH BINTI MOHAMMAD NOR	ECONOMIC PROSPECTS OF MARDI NEW GOAT BREED	ES
41	KAMARUZAMAN BIN AHMAD	INNOVATION OF 'PROJEK AZAM TANI MARDI PAHANG': THE SELECTION OF MOST ECONOMIC MATERIAL FOR RABBIT WASTE MANAGEMENT SYSTEM	TE
42	IZUAN BAHTIAR BIN AB JALAL	KATJANG HYBRID GOAT MEAT- HEALTHIER CHOICE FOR MALAYSIAN CONSUMERS	LS

43	ZULHAIRIL BIN ARIFFIN	DISCLOSING THE POTENTIAL OF 'TERUNG RAPUH' AGAINST WATERLOGGING STRESS	BE
44	NORZALILA BINTI KASRON	SATISFACTION IN UTILIZING MARDI'S CONSULTANCY AND ADVISORY SERVICES AMONG FOOD BASED MARDI ENTREPRENEURS	HM
45	UMIKALSUM BINTI MOHAMED BAHARI	UNVEILING THE POTENTIAL OF KELADI WANGI IN MALAYSIA	BE
46	MOHD SHAHARIZAN BIN MOHD SHAM	MALE DAIRY CATTLE AS A SOURCE OF MEAT FOR THE COUNTRY	LS
47	AZLIAN BINTI MOHAMAD NAZRI	COST EFFECTIVE FEED FOR MORE THAN ONE-YEAR OLD EGG-LAYING DUCKS	LS
48	KHAIRUL ANUAR BIN SHAFIE	OPTIMISATION OF MACRO-CLIMATE ENVIRONMENT IN PLANT FACTORY USING E-FARM MOBILE APPLICATION	ER
49	AZLINA AZMA BINTI ISMAIL AFFENDEE	GROWTH PERFORMANCE OF 12-WEEK OLD KAMPUNG CHICKENS RAISED IN INTENSIVE SYSTEM	LS
50	MOHD HAFIZZUDIN BIN AYOB	POLYETHYLENE GLYCOL: DEACTIVATING TANNINS AND MAXIMISING NUTRIENT AVAILABILITY IN FEEDSTUFFS	LS
51	SAADIAH BTE JAMLI	MOBILE APPLICATION FOR DAIRY CATTLE RATION FORMULATION FOR SMALLHOLDERS	LS
52	ROZIATUL ERIN BINTI ABDUL RAZAK	MANIPULATION OF DIETARY PROTEIN AND ENERGY LEVELS IN BREEDERS OF 'AYAM KAMPUNG MARDI' FOR OPTIMAL GROWTH	LS
53	WAHID BIN SAID	PHYSICO-CHEMICAL PROPERTIES OF SPECIALTY RICE VARIETIES DURING STORAGE	PR
54	ZAITIALIA BINTI MOHLISUN	SEED QUALITY OF CHILLI (<i>Capsicum annuum</i> sp.) cv. L5 AS AFFECTED BY DIFFERENT PRIMING TREATMENTS	CB
55	SITI SHURAZIZAH BINTI SUKHUR	MOTIVATIONAL FACTORS TO PARTICIPATE IN TESTBED AND INCUBATION PROGRAMMES: WHY THEY CAME TO MARDI?	TE
56	NURULHAYATI BINTI ABU BAKAR	THE POTENTIAL OF LOCALLY GROWN GRAIN CORN HYBRIDS AS THE SOURCE OF ENERGY AND PROTEIN IN POULTRY DIET	LS

57	FADHILNOR BIN ABDULLAH	THE PHYSIOLOGICAL MECHANISMS OF VIGOUR CONTROL BY ROOTSTOCKS IN FRUIT TREES: A BRIEF REVIEW	DG
58	MUHAMMAD FAISAL BIN ABU BAKAR	PRACTICAL CONSIDERATION IN FEED MIXING: QUALITY MEASUREMENT USING PERCENTAGE OF HOMOGENEITY	LS
59	RINA BINTI SINGKINA	BAMBANGAN JUICE: ICON PRODUCT FROM SABAH?	TE
60	MUHAMMAD FAIRUZ BIN MOHD YUSOF	IMPROVEMENT OF <i>Durio zibethinus</i> (ACCESSION 307) GENOME ASSEMBLY USING HYBRID GENOME ASSEMBLY APPROACH	BN