

SENARAI PEMBENTANG POSTER (FIZIKAL)

ZON A KEJURUTERAAN LEPAS TUAI DAN MAKANAN	
ID POSTER	BUTIRAN
A1	<p>Comparative Performance of Conventional and Infrared-Assisted Refractance Window Drying for Pineapple Puree</p> <p>Yahya Sahari, Masniza Sairi, Mahanom Hussin, Amirredzuan Shamsulkamal, Mohammad Shukri Johari, Faewati Abdul Karim</p> <p>Agensi: MARDI</p>
A2	<p>Physicochemical, Color, and Textural Changes of Sweet Potato during Steaming for Puree Production</p> <p>Wan Mohd Fariz W.A., Asnawi S., Mohd Shahrir A., Saiful Azwan A., Afiqah Aina R., Zainun M.S., Wan Nur Zahidah W.Z., Nur Ilida M., Ahmad Fadhlul Wafiq A.R., Faewati A.K., Mohd Azmirredzuan S., Mohd Hafiz M.A.T., Mohd Zaimi Z.A., Muhammad Aliq J., Amir Redzuan S., Mohammad Shukri J., Masniza S., Teoh C.C.</p> <p>Agensi: MARDI</p>
A3	<p>Valorization of Glutinous Rice Husk via Optimized Ohmic Heating Pretreatment for Enhanced Sugar Production</p> <p>Hasfalina Che Man, Izzah Farhana Ab Aziz, Akmal Danial Zainudin, Norhashila Hashim, Muhammad Hazwan Hamzah, Adila Fazliyana Aili Hamzah, Khairul Faezah M. Yunos</p> <p>Agensi: UPM</p>
A4	<p>Optimization of a Dewatering Spinner for Surface Water Removal from Washed Chilies</p> <p>Asnawi Shahar, Wan Mohd Fariz Wan Azman, Mohd Shahrir Azizan, Mohammad Shukri Johari, Masniza Sairi, Teoh Chin Chuang</p> <p>Agensi MARDI</p>
A5	<p>Block Freeze Concentration of Pineapple Juice: Process Parameter Optimization via Response Surface Methodology</p> <p>Nur Afia Helmi Mohd Helmi, Nor Zanariah Safiei</p> <p>Agensi: UNIKL</p>
A6	<p>Halal-Compliant Supercritical CO₂-Ethanol Extraction of Bioactives from <i>Orthosiphon stamineus</i>: A Comparative Study of Static vs. Static-Dynamic Modes</p> <p>Masniza Mohamed-Mahmood, Masturah Markom, Farah Salina Hussin, Rinani Shima Abdul Rashid, Mohd Zulkhairi Abdul Rahim, Rossihan Abdul Hamid</p> <p>Agensi: UNIKL</p>

A7	<p>Corn Starch Films Incorporated with Silver Nanoparticles Synthesized from Polygonum minus Extract for Antioxidant Active Food Packaging Applications</p> <p>Roseliza Kadir Basha, Nazatul Shima Azmi, Nur Syazwani Yusri, Nor Amaiza Mohd Amin, Noor Zafira Noor Hasnan</p> <p>Agensi:UPM</p>
A8	<p>Effects of Alkalization Conditions on Yield and Moisture-related Physicochemical Properties of Cacao Bean Shell (CBS) Powder</p> <p>Philip Donald C. Sanchez, Norhashila Hashim, Mohd Salahuddin Mohd Basri, Nazamid Bin Saari, Dimas Rahadian Aji Muhammad</p> <p>Agensi: UPM</p>
A9	<p>Green Synthesis and Characterization of Fish Scale Gelatin-Silver Nanoparticles</p> <p>Nur Syazwani Yusri, Roseliza Kadir Basha, Nor Amaiza Mohd Amin, Norhazlin Zainuddin, Noor Zafira Noor Hasnan, Farah Saleena Taip</p> <p>Agensi: UPM</p>
A10	<p>Numerical Study of Thermal Performance and Heat Distribution in Agriculture Drying House</p> <p>Muhammad Isma Redza bin Shaidi, Sareh Aiman Hilmi bin Abu Seman, Mohd Syakirin bin Rusdi</p> <p>Agensi: USM</p>
A11	<p>Non-Destructive Detection of Cocoa Pod Borer (CPB) via Integrated Acoustic Signal Analysis and Thermal Imaging Technique</p> <p>Nur`Aliah Hanani Mohd Baktiar, Mahirah Jahari, Siti Khairunniza Bejo, Khairil Anas Md Rezali, Khairul Bariah Sulaiman</p> <p>Agensi: UPM</p>
A12	<p>Development of Ohmic-Assisted Hydrodistillation for Enhanced Extraction of Lemon Myrtle Essential Oil</p> <p>Goh Sin Ying, Muhammad Hazwan Hamzah, Mahirah Jahari, Rosnah Shamsudin, Hasfalina Che Man, Mohsen Gavahian</p> <p>Agensi: UPM</p>

A13	<p>Characterization of <i>Canarium odontophyllum</i> during storage and its physicochemical changes at different steeping time</p> <p>Tracy Saptu, Nihayatul Aggie, Kaiser Mahmood, Irina Harun, Uthumporn Utra, Awang Ahmad Sallehin, Awang Husaini, Shiamala Ramaiya, Yus Aniza Yusof, Hanisah Kamilah</p> <p>Agensi: UPMS</p>
A14	<p>Physicochemical Properties, Microbiological Quality, And Sensory Assessment of Commercial Canned Chicken Curry Brands in Malaysia</p> <p>Mohd Razali Faridah, Nur Najwa Ainani Puteri Normadani, Kowsar Abdirahman Afyare, Mahmud Ab Rashid Nor-Khaizura, Mohammad Rashedi Ismail-Fitry</p> <p>Agensi: UPM</p>
A15	<p>Application of <i>Averrhoa bilimbi</i> (Belimbing Buluh) and <i>Saccharum officinarum</i> (Sugar Cane) Extracts as Tenderisers for Spent Hen Meat</p> <p>Kowsar Abdirahman Afyare, Amalina Hanan Amir Hamzah, Nur Aqilah Mohamad Arif, Hafssa El Mouradi, Nurul Izzah Khalid, Abu Bakar Asyrul-Izhar, Mohammad Rashedi Ismail-Fitry</p> <p>Agensi: UPM</p>
A16	<p>Effects of Different Sizes of Buffalo Meat Chunks on The Physicochemical, Ultrastructure and Sensory of Buffalo Meat Patties</p> <p>Hafssa El Mouradi, Nur Amalina Muhamad Darif, Kowsar Abdirahman Afyare, Nur Aqilah Mohamad Arif, Mohd Razali Faridah, Nurul Izzah Khalid, Abu Bakar Asyrul-Izhar, Mohammad Rashedi Ismail-Fitry</p> <p>Agensi: UPM</p>
A17	<p>Effect of Different Jackfruit (<i>Artocarpus Heterophyllus</i>) Varieties on the Quality Characteristics of Hybrid Meatballs</p> <p>Mohammad Khasnieddy Nur Batrisyia Alya, Mohammad Rashedi Ismail-Fitry, Abu Bakar Asyrul-Izhar</p> <p>Agensi: UPM</p>
A18	<p>Effect of Different Thicknesses and Additional Dimples on the Physicochemical and Sensory Properties of Buffalo Meat Patty</p> <p>Nur Aqilah Mohamad Arif, Nor Ain Ruhazi, Mohd Razali Faridah, Hafssa El Mouradi, Nurul Izzah Khalid, Abu Bakar Asyrul-Izhar, Mohammad Rashedi Ismail-Fitry</p> <p>Agensi: UPM</p>

ZON B	
MEKANISASI PERTANIAN DAN AUTOMASI	
ID POSTER	BUTIRAN
B1	<p>Development and Performance Evaluation of a Combined Bed Former and Two-Row Precision Roller Seeder for Grain Corn Cultivation</p> <p>Ts Mohd Khusairy Khadzir, Mohammed Fauzi Md Isa, Saifulizan Mat Nor, Azamuddin Arshad, Yuhanawati Md Yunus, Ku Mohd Zahir Ku Mudzir, Azlan Othman</p> <p>Agensi: MARDI</p>
B2	<p>Computational Analysis of Airflow and Particle Separation in a Vacuum Cyclone Loose Fruit Collection System for Oil Palm Plantations</p> <p>Mohd Ramdhan Khalid, Aminulrashid Ibrahim, Mohd Ikmal Hafizi Azaman, Nur Saiful Azmi Nor Azhar, Muhammad Muaz Haikal Maurad</p> <p>Agensi: MPOB</p>
B3	<p>Learning oil palm fresh fruit bunches (FFBs) Ripeness Under Spectral Variations Using a Physics-Informed Vision Approach</p> <p>Mohd Ikmal Hafizi Azaman, Mohd Ramdhan Mohd Khalid, Aminulrashid Mohamed, Mohd Azwan Mohd Bakri, Kok-Sing Lim, Kuan-Huei Ng and Waldo Udos</p> <p>Agensi: MPOB</p>
B4	<p>Investigation on the Effectiveness Between Active and Passive Dehumidification in Dairy Cow Barn</p> <p>Muhamad Harith Danial Che Apandi, Anas Mohd Mustafah</p> <p>Agensi: UPM</p>
B5	<p>Performance Comparison between Large and Medium Combine Harvesters for Glutinous Rice Cultivation</p> <p>Nazmi Mat Nawi, Bomoii Muhammad Isa, Fayaz Hussain, Najidah Abdullah, Anas Mohd Mustafah</p> <p>Agensi: UPM</p>
B6	<p>Performance Evaluation of a Teleoperated Spraying Machine for Chilli (<i>Capsicum annuum L.</i>) Cultivation</p> <p>Hafidha A., Mohd Shukry H.B., Mohd Khairil Izani, Ahmad Kamil Z., Norahshekin A.R.</p> <p>Agensi: MARDI</p>
B7	<p>Automated Robot Harvester for Hydroponically Grown Indoor Vertical Farm</p> <p>Muhammad Razif Mahadi, Ali Imran Mohd Saleh, Sharence Nai Sawat</p> <p>Agensi: UPM</p>

B8	<p>Field Performance Evaluation of a Commercial Mechanical Cassava Planter under Local Conditions</p> <p>Mohd Fazly Mail, Mohd Nadzim Nordin, Mohd Shahmihaizan Mat Jusoh, Eddy Herman Sharu, Azimah Abdul Kadir, Amyita Witty Ugap</p> <p>Agensi: MARDI</p>
B9	<p>Performance Assessment of Small-Scale Land Preparation Machines: A Preliminary Study</p> <p>Eddy Herman Sharu, Mohd Nadzim bin Nordin, Mohd Shahmihaizan bin Mat Jusoh, Norahshekin binti Abd Rahman, Ts. Mohd Shukry bin Hassan Basri, Ahmad Kamil bin Zolkafli, Bunyamin bin Abu Kassim</p> <p>Agensi: MARDI</p>
B10	<p>Smart Aquaculture: Development of an IoT-Integrated Handheld Water Quality Monitoring Device for Water Quality Assessment in Aquaponics Systems</p> <p>M.S.M. Kassim, R.M.O. Syafiq, A.F. Abdullah, M.M.A. Karim, A.Z. Aris</p> <p>Agensi: UPM</p>
B11	<p>Portable Visible-Near Infrared Spectroscopy for Estimating Chlorophyll-Related Decline During Bacterial Heart Rot Progression in Pineapple Leaves</p> <p>Siti Nooradzah Adam, Nazmi Mat Nawawi, Siti Khairunniza Bejo, Khairulmazmi Ahmad, Amara Rafi</p> <p>Agensi: UPM</p>
B12	<p>Innovative Low-Cost Viscometer Using LEGO Mindstorms For Food Property Measurement</p> <p>Zanariah Mohd Dom, Nor Amaiza Mohd Amin, Roseliza kadir Basha, Nur Athirah Najihah Sameon, Syotaro Mitani, Shunta Fujikasa</p> <p>Agensi: UPM</p>
B13	<p>Deep Reinforcement Learning-Based Map-less Navigation for Autonomous Agricultural Robots</p> <p>Esmail Mubarak Saleh Alhaddad, Mohamad Shukri Bin Zainal Abidin, Mohd Saiful Azimi Bin Mahmud, Abdul Salam bin Saad</p> <p>Agensi: UTM</p>
B14	<p>Estimation of Rubber Plantation Above-Ground Biomass using Remote Sensing Technology</p> <p>Che Dini Maryani Ishkandar, Nazmi Mat Nawawi, Zailani Khuzaimah, Yaakob Mansor</p> <p>Agensi: UPM</p>

B15	<p>Ergonomic Assessment of a Passive Exoskeleton for Oil Palm Harvesters Using Surface EMG Analysis</p> <p>Mohd Rizal Ahmad, Mohd Azwan Mohd Bakri, Nabilah Kamaliah Mustaffa, Ahmad Syazwan Ramli factor Agensi: MPOB</p>
B16	<p>Factors Affecting the Performance of Automated Ripeness Detection and Location Tagging of Oil Palm Fresh Fruit Bunches: A Preliminary Study</p> <p>Ahmad Syazwan Ramli, Mohd Azwan Mohd Bakri, Mohd Rizal Ahmad, and Nabilah Kamaliah Mustaffa Agensi: MPOB</p>
B17	<p>Assessing The UAV Aerial Spraying Distribution in UAV Indoor Laboratory</p> <p>Azmeer Ahmad Shukri, Anas Mohd Mustafah, Fatin Nabila Rosli Agensi: UPM</p>
B18	<p>Ergonomic and Biomechanical Evaluation of Fresh Fruit Bunch Lifting in Oil Palm Harvesting</p> <p>Nadiah Aqilahwati Abdullah, Zaidi Mohd Ripin, Muhammad Fauzinizam Razali, Wan Mohd Amri Wan, Mamat Ali, Baharom Awang, Mohamad Ikhwan Zaini Ridzwan Agensi: USM</p>
B19	<p>Numerical Investigation of DVA in Attenuating the Transmitted Hand-Arm Vibration from the Motorboat Engine</p> <p>Nabil Mohamad Usamah, Ahmad Zhafran Ahmad Mazlan, Ahmad Syafiq Nazri Shaari, Daiki Tajiri Agensi: USM</p>
B20	<p>Evaluation of Field Performance and Fuel Consumption of Half-Tracked and Rubber-Wheeled Tractors during Tillage Operations</p> <p>Matlob Ahmad, Nazmi Mat Nawi, Najidah Abdullah Agensi: UPM</p>
B21	<p>Integration of Amenable Latex Harvesting Method with Tapping Machine Towards Mechanization in Rubber Plantation: Experience with Automatic Rubber Tapping System (ARTS)</p> <p>Abdul Ghaffar, M.A. Agensi: LGM</p>
B22	<p>Mechanizing Polybag Preparation: Optimizing Throughput and Efficiency in Malaysian Rubber Nurseries</p> <p>Muhammad Afiq Misri, Mohamad Khairul Akmal Amran, Shamsul Kamaruddin Agensi: LGM</p>

B23	<p>Development and Electromyographic Evaluation of a Passive Zero Gravity Manipulator for Oil Palm Harvesting Tools</p> <p>Aminulrashid Mohamed, Mohd Ramdhan Khalid, Mohd Rizal Ahmad, Mohd Ikmal Hafizi Azaman, Nur Saiful Azmi Nor Azhar, Mohd Azwan Mohd Bakri, Ahmad Athif Mohd Faudzi, Mohd Azizi Abdul Rahman</p> <p>Agensi; MPOB</p>
B24	<p>Evaluation of a Portable Solar-Powered Charging Station for Oil Palm Harvesting</p> <p>Nabilah Kamaliah Mustaffa, Mohd Azwan Mohd Bakri, Mohd Rizal Ahmad and Ahmad Syazwan Ramli</p> <p>Agensi: MPOB</p>
B25	<p>Factors Influencing the Adoption of Mechanisation Technologies Among Malaysian Oil Palm Smallholders</p> <p>Mohd Azwan Mohd Bakri, Mohd Rizal Ahmad and Nabilah Kamaliah Mustaffa.</p> <p>Agensi: MPOB</p>

ZON C	
ALAM SEKITAR, AIR, TANAH, DAN SUMBER ASLI	
ID POSTER	BUTIRAN
C1	<p>Sugar-Free Weak Gel Formation of High-Methoxyl Pectin Derived from Durian Rind</p> <p>Jamilu Suleiman, Rosnah Shamsudin, Muhammad Hazwan Hamzah, Mohd Salahuddin Mohd Basri, Kabiru Ayobami Jimoh</p> <p>Agensi: UPM</p>
C2	<p>Implementation of smart water management in rice cultivation</p> <p>Muhammad Haniff Ahmad, Mohd Khusairy Khadzir, Mohd Shahril Shah Mohamad Ghazali, Ku Muhammad Zahir Bin Ku Mudzir, Saifulizan Mat Nor, Muhammad, Azamuddin Arshad</p> <p>Agensi: MARDI</p>
C3	<p>Determination the Degree of Disintegration of Manila Paper Under Composting Conditions in a Laboratory Scale Test using MD2 Pineapple Peel</p> <p>Norliza Abd. Rahman, Nur Hijanah Mohamad Zahid, Muhammad Zuhayr Dzul Haimi</p> <p>Agensi: UKM</p>
C4	<p>Study on Biochar Production from Cocoa Pod Husk Using Box-Behnken Design: Effects of Particle Size, Temperature, and Residence Time</p> <p>Nur Afiqah Ali, Nozieana Khairuddin and Rozieana Khairuddin</p> <p>Agensi: UPMS</p>

C5	<p>Algorithm Development and Parameter Optimization Strategies Towards Coconut (<i>Cocos nucifera L.</i>) Irrigation Modelling in the Nursery Stages</p> <p>Ahmad Syafik Suraidi Sulaiman, Aimrun Wayayok, Samsuzana Abd Aziz, Wong Mui Yun and Guo Leifeng</p> <p>Agensi: MARDI</p>
C6	<p>Assessment of Surface Water Availability for Paddy Irrigation Using SWAT Modelling in IADA Pekan, Pahang, Malaysia</p> <p>Eunise Clare Anak Daklen, Noorellimia bt Mat Toridi, Aimrun Wayayok, Ahmad Fikri Bin Abdullah, Mohamed Azwan Bin Mohamed Zawawi, Lakam Anak Mejus, Mohd Muzamil Bin Mohd Hashim, Mohamad Syahiran Bin Mustaffa, Mohamad Wafiy Bin Abdul Wahab</p> <p>Agensi: UPM</p>
C7	<p>Evaluating the Bioenergy Potential of Sheep Manure within an Integrated Agrivoltaic Systems</p> <p>Mohammad Effendy Ya'acob, Mohd Zulkhairi Mohd Yusoff</p> <p>Agensi: UPM</p>
C8	<p>Effectiveness of Palm Oil Mill Effluent Treatment in Different Constructed Wetland Systems</p> <p>Siti Kamariah Md Sa'at, Norfazidah Othman, Hirun Azaman Ismail</p> <p>Agensi: UniMAP</p>
C9	<p>Development and Characterization of <i>Wedelia trilobata</i> Essential Oil Microemulsions for Weed Management</p> <p>Tuan Ashraf Faiz Tuan Anuar, Suria Ramli, Khairul Anwar Ishak, Chamroon Laosinwattana, Kamalrul Azlan Azizan</p> <p>Agensi: UKM</p>
C10	<p>Black Soldier Fly Larvae Frass as An Emerging Organic Fertilizer for Sustainable Maize Production</p> <p>Alia Najihah Majidi, Mohammad Azizi Abdullah, Nurul Anisa Nadia Muhamad Suhaime, Nurul Fatihah Abd Latip</p> <p>Agensi: UiTM</p>

C11	<p>Biocontrol of Apple Snails (<i>Pomacea Maculata</i>) Using Lemongrass (<i>Cymbopogon Citratus</i>), Garlic (<i>Allium Sativum</i>) and Ginger (<i>Zingiber Officinale</i>) Plant Extracts</p> <p>Nur Ainaa Athirah Mohd Zaid, Nurul Fatihah Abd Latip, Mohammad Azizi Abdullah</p> <p>Agensi: UiTM</p>
C12	<p>Behavioural Barriers in Food Waste Segregation: Insights from a Pilot Campus Composting Project</p> <p>Mohd Syazwan b Mohd Ghazali, Nadia bt Isa, Marmy Roshidah bt Mohd Salleh, Khairul Nadia bt Ibrahim, Nor Zalina bt Kassim, Amelia bt Md Som, Zaida Rahaya bt Yet, Mohd Zulkhari Abd Rahim</p> <p>Agensi: UNIKL</p>
C13	<p>Assessment of Spatial Distribution and Temporal Shift of Soil Physical Properties from Vegetative to Flowering Stages of Harumanis Cultivation</p> <p>Nurfirza Amani Milatu Samsi, Normardhiyah Roslan, Khairun Nisa Kamarudin, Mohd Ashraf Zainol Abidin, Chuah Tse Seng</p> <p>Agensi: UiTM</p>
C14	<p>Stabilization of Peat Soil Using Magnesium Oxide for Sustainable Agricultural Land Development</p> <p>Lily Suhaila Yacob, Amelia Md Som</p> <p>Agensi: UNIKL</p>
C15	<p>Comparative Performance of Series and Parallel Module Configurations in FO Systems Using CTA/CA Membrane</p> <p>Ma. Grace C. Sumaria, Hasfalina Che Man, Aida Isma M.I., Mohd Razif, Khairul Faezah Yunos</p> <p>Agensi: UPM</p>
C16	<p>Assessing the Cultivation of <i>Chlorella Vulgaris</i> in Aquaculture Wastewater via IoT system</p> <p>Hasfalina Che Man</p> <p>Agensi: UPM</p>
C17	<p>Chitosan Production from Chitin: Sources, Extraction Methods, Characterization, and Sustainable Applications</p> <p>Nurdiyana Husin, Nik Mohamad Faiz Dakhlan, Mohd Zulkhairi Abdul Rahim, Norzanariah Safiei, Nor Nadiah Mohd Yusof, Khairul Nadiah Ibrahim, Shamrulazhar Shamzir Kamal, Raihana Zahirah Edros</p> <p>Agensi: UNIKL</p>

ZON D	
PEMBANGUNAN SISTEM INFORMATIK DAN PENGEMBANGAN PERTANIAN	
ID POSTER	BUTIRAN
D1	<p>Development of an Automated Growth Monitoring System for Leafy Vegetables in Plant Factory</p> <p>Seri 'Aisyah Hassim, Arina Mohd Noh, Muhd Akhtar Mohamad Tahir, Mohammad Abid Ahmad, Mohd Zul Fadzli Marzuki, Mohamad Hafiz Hashim, Mohd Khairul Anuar Sumadi</p> <p>Agensi: MARDI</p>
D2	<p>Detection of aflatoxin in chili (<i>Capsicum annum L.</i>) using ultraviolet imaging</p> <p>Nor Hasnida Mohd Zawawi, Maimunah Mohd Ali</p> <p>Agensi: UKM</p>
D3	<p>UAV-Based Canopy Analysis for Large-Scale Detection of Basal Stem Rot in Oil Palm</p> <p>Muhammad Iqbal Afiq Muhammad, Nur Azuan Husin, Siti Khairunniza-Bejo, Mahirah Jahari, Nur 'Atirah Muhadi</p> <p>Agensi: UPM</p>
D4	<p>Development and Printability Assessment of Sorghum-Based Food Inks for Extrusion-Based 3D Food Printing</p> <p>Nur Ishami Mohd Shamsuri, Rozzamri Ashari, Norashikin Ab Aziz, Asyrul-Izhar Abu Bakar, Ismail-Fitry, Mohammad Rashedi, Nurul Izzah Khalid</p> <p>Agensi: UPM</p>
D5	<p>Effect of different light spectrum on inoculation stage and fruiting body development of oyster mushroom (<i>Pleurotus ostreatus</i>)</p> <p>Noor Suhaida Jamil, Mohd Saiful Akbar Mohamad Sahal, Normardhiyah Roslan, Mohd Ashraf Zainol Abidin</p> <p>Agensi: UiTM</p>
D6	<p>IoT-Based Field Mapping System for Ganoderma Disease Monitoring in Oil Palm Plantation Using a Mobile Web Platform</p> <p>Ezrin M.H.</p> <p>Agensi: UPM</p>
D7	<p>Field-Deployability of Edge AI for Musang King Identification</p> <p>Hazreen Harith, Muhammad Shahrulhazmie Che Mohamad Zulkifli, Diyana Jamaludin, Samsuzana Abd Aziz</p> <p>Agensi: UPM</p>

D8	<p>Developmental Stage Dependent Variation of Bioactive Compounds in Capsicum frutescens Extracted via Ultrasound-Assisted Extraction</p> <p>Nor Amaiza Mohd Amin, Roseliza Kadir Basha, Zanariah Mohd Dom, Maizatul Hashikin Yasril</p> <p>Agensi: UPM</p>
D9	<p>Enhancing STEM Literacy through Student-Led IoT Development: A Solar-Powered Smart Cultivator for Oyster Mushroom Farming</p> <p>Mohammad Faiz Norhisham, Mohd Hafizz Wondi, Sharifah Raina Manaf, Fakhira Jafri, Nur Qazreen Aneesah Mohd Roslan, Mohd Nasrun Izwan Annuar, Siti Nur Shahira Suhaimi</p> <p>Agensi: UiTM</p>
D10	<p>AI-Assisted IoT Platform for Precision Agriculture and Food Processing Automation: A User-Friendly Approach for Farmers and Food Industry</p> <p>Mohd Nazren b. Radzuan, Nur Azuan b. Husin, Muhammad Hazwan b. Hamzah and Mohamad Firdza b. Mohamad Shukery</p> <p>Agensi: UPM</p>
D11	<p>Estimation of Nitrogen Status in Mature Oil Palm Using Sentinel-2A Multispectral Imagery and Machine Learning Approaches</p> <p>Mohamad Izzuddin Anuar, Ezzati Bahrom, Nordiana Abd Aziz, Husein Abd Gani, Norliyana Zin Zawawi, Halimatul Sa'adiah Abdullah, Mohamad Hasnul Arif Mahmuddin and Ahmad Afandi Murdi</p> <p>Agensi: MPOB</p>
D12	<p>Data-Driven Environmental Control for Off-Season Fruiting of Harumanis Mango under Greenhouse Conditions</p> <p>Mohammad Aufa Bin Mhd Bookeri, Zul Helmey Bin Mohamad Sabdin, Yuhanawati Mat Yunus, Mohd Farid Bin Ahmad Fauzi</p> <p>Agensi: MARDI</p>
D13	<p>Adaptation Industrial Vision System in Greenhouse Harvesting Application</p> <p>Ten Seng Teik, Khairul Anuar Bin Shafie, Muhd Akhtar Bin Mohamad Tahir, Mohamad Hafiz Bin Hashim</p> <p>Agensi: MARDI</p>
D14	<p>AI-Powered Digitisation of Legacy Breeding Records with QuickXel</p> <p>Nurul Syafika Mohamad Fauzi, Farah Nini Othman, Muhammad Amirul Husni Samsulrizal, Nurul Fatiha Farhana Hanafi, Suhaila Sulaiman, Mohd Azinuddin Ahmad Mokhtar</p> <p>Agensi: FGV</p>

D15	<p>Experimental Prototype for Tracking System in Precision Farming Using Internet-Based Differential GPS (I-DGPS) in Malaysia</p> <p>Hong Sheng Lee, Tajul Ariffin Musa, Wan Anom Wan Aris, Ooi Wei Han, Shahrizal Ide Moslin, Noor Azawani Wahap, Kelvin Tang Kang Wee, Muhammad Syazwan Ab Razak</p> <p>Agensi: UTM</p>
D16	<p>Formulation of mayonnaise enriched with red palm olein as a strategy to meet Recommended Daily Allowance (RDA) of vitamin A for children</p> <p>Nur Rahiiqin Maktuum Baharuddin, Rabiha Sulaiman, Nurul Hanisah Juhari, Nur Azwani Ab Karim, Masni Mat Yusoff</p> <p>Agensi: UPM</p>
D17	<p>Design And Fabrication of Flexible Strain Sensor for Food Packaging Application</p> <p>Muhammad Irsyad Abdul Mokti, Inzarulfaisham Abd Rahim, Norwahida Yusoff</p> <p>Agensi: USM</p>
D18	<p>A Comparative Study of Subcritical Water Hydrolysis and Deep Eutectic Solvent Treatment for the Extraction of Protein Hydrolysates from Okara</p> <p>Sharifah Uzma Izzah Syed Khalid, Nur Farhanah Radzman, Imani Sufiah Zolnizam, Nur Aisyah Wan Sabri, Anis Alysha Mat Ropi, Mohd Razealy Anuar, Tau Len-Kelly Yong, Khairul Faizal Pa'ee</p> <p>Agensi: UNIKL</p>
D19	<p>Preliminary Study on Classification of Paddy Seed Germination</p> <p>Athirah Abdul Razak, Asnawi Shahr, Aisyah Hassim, AMM Azzami, Mohd Zamri Khairi Abdullah</p> <p>Agensi: MARDI</p>
D20	<p>Revolutionizing Rubber Field Operations Through Crop Management Simulation, Digital Knowledge Platforms and Geospatial Intelligence</p> <p>Muhammad Fadzli bin Ali, Muhammad Ariff bin Johari, Faris Rassoulli bin Rizal Wong</p> <p>Agensi: LGM</p>

D21	<p>Smart SolDry Home: An IoT-Monitored Enclosed System for Enhanced Cowhide Drying Efficiency</p> <p>Muhammad Fauznizam bin Razali, Muhammad Hafiz bin Hassan, Mohd Syakirin bin Rusdi, Sareh Aiman Helmi bin Abu Seman</p> <p>Agensi: USM</p>
D22	<p>Transforming Natural Rubber into Advanced Manufacturing</p> <p>Nik Intan Nik Ismail, Hani Afiffa Mohd Hanif, Dayang Habibah Abang Ismawi Hassim, Siti Salina Sarkawi, Nurul Hayati Yusof, Yong Kok Chong</p> <p>Agensi: LGM</p>
D23	<p>Estimation of Nitrogen Status in Mature Oil Palm Using Sentinel-2A Multispectral Data Integrity: Integrating Geographical Information Systems (GIS) into the PAT-G Database for Geospatial Traceability</p> <p>Mohd Hafiz Mohd Hazir, Azuan Adinan</p> <p>Agensi: LGM</p>

SENARAI PEMBENTANG E-POSTER

ID POSTER	BUTIRAN
AP1	<p>Mathematical Modelling and Optimisation of Food Drying Processes: Recent Advances and Sustainability Perspectives</p> <p>Nur Hamizah Abdul Ghani, Faiqa Shazeea Mohd Salleh, Noor Zafira Noor Hasnan</p> <p>Agensi: UPM</p>
AP2	<p>Pulsed Electric Field-Assisted Extraction of Fructooligosaccharides: A Sustainable Approach for Banana Peel Valorization</p> <p>Nor Nadiyah Abdul Karim Shah, Nur Fatihah Abdul Zamri, Yus Aniza Yusof, Widya Dwi Rukmi Putri, Azizah Mohamad</p> <p>Agensi: UPM</p>
AP3	<p>Drying of coconut haustorium (var.Matag): Mathematical modelling, optimization and quality assessment</p> <p>Rosalizan M.S, Mirfat A.H.S, Mohd Effendi M.N</p> <p>Agensi: MARDI</p>
BP1	<p>Design Requirements and Concept Development of a Mechanical Pineapple Harvester</p> <p>Mohd Taufik Ahmad, Badril Hisham Abu Bakar, Seri 'Aisyah Hassim, Siti Noor Aliah Baharom, Zakry Al-Asyraf Abdul Latiff, Muhammad Hariz Musa, Mohd Fadly Abdull Rasid, Noraznal Mohd Zainal, Norhafizi Mansor</p> <p>Agensi: MARDI</p>
BP2	<p>Simulation-Based Evaluation of Disc Blade Designs for Active-Type Furrow Openers in Zero Tillage Planting under Malaysian Soil Conditions</p> <p>Rohazrin Abdul Rani, Muhammad Razif Mahadi@Othman, Muhamad Saufi Mohd Kassim, Muhammad Adib Mohd Nasir</p> <p>Agensi: MARDI</p>
CP1	<p>Accumulation and Partitioning of Heavy Metals in Catharanthus roseus Treated with Varying Concentrations of Leachate</p> <p>Nur Firdaus Abdul Rashid, Chuah Tse Seng, Khairun Nisa Kamaruddin</p> <p>Agensi: UiTM</p>
DP1	<p>Erythritol Biosynthesis by <i>Yarrowia Lipolytica</i> on Glucose Medium</p> <p>Anis Athirah Saharuddin, Farah Saleena Taip, Alifdalino Sulaiman, Siti Mazlina Mustapa Kamal, Rosnita A Talib, Nur Hamizah Abd Ghani</p> <p>Agensi: UiTM</p>

DP2	<p>A Data-Driven Agricultural Research Management Platform</p> <p>Mohd Akmal Mhd Yusoff</p> <p>Agensi: MARDI</p>
DP3	<p>Microclimate Regulation Using Vortex Tube-Based Compressed Air Cooling: A Performance Evaluation in Butterhead Lettuce</p> <p>Nuraini Ahmad Ariff Shah, Seri 'Aisyah Hassim, Muhd Akhtar Mohamad Tahir, Wan Mohd Syafiq Wan Harun, Mohd Zulfadzli Marzuki, Mohd Daniel Hazeq Abdul Rashid</p> <p>Agensi: MARDI</p>
DP4	<p>Impact of Peel Hardening on the Yield and Functional Properties of Mangosteen (<i>Garcinia mangostana</i> L.) Extracts via Microwave-Assisted Extraction</p> <p>Roshita Ibrahim, Muhammad Ikmal Syafiq Osmanr, Hakun Wirawasista Aparamarta</p> <p>Agensi: UniMAP</p>