

CONFERENCE SCHEDULE			
Day 1			
Hours	Event	Venue	
0730 - 0830	Arrival of Participants & Registration	Wawasan Hall	
0830-0945	Arrival of State Executive Council of Pahang, Rector of UiTM Campus Pahang and Dean of Faculty of Applied Sciences UiTM Shah Alam	Wawasan Hall	
	Negaraku and UiTM Wawasan Setia Warga Song		
	Doa		
	Welcoming Speech by YBrs. Professor Ts. Dr. Azhan bin Hashim @Ismail. SAP, Rector of UiTM Campus Pahang.		
	Opening Speech and officiate ceremony by YB Dato' Amizar bin Abu Adam, DIMP, AAP, State Executive Council of Pahang		
0945 - 1015	Keynote Speaker ; Assoc. Prof. Dr. Sanjay M.R (King Mangkut's University of Technology North Bangkok, Thailand) Title: Natural Fibers and Green Composites For A Sustainable Future	Wawasan Hall	
1015 - 1040	Coffee Break and Poster Session	Foyer Wawasan Hall	
Venue	Wawasan Hall	Serindit Room	
Scope	Advanced Technology	Fundamental Science	
		Jelatek Room	
		Fundamental/Applied Technology	
SESSION 1			
Chairperson	Assoc. Prof. Dr Mohd Muzamir Mahat	Assoc. Prof. Dr. Nofrijon Sofyan	Assoc. Prof Dr Zety Sharizat Hamidi
	Invited Speaker	Invited Speaker	Invited Speaker
1040-1100	Assoc. Prof. Dr. Ali H. Jawad AL-Taei (Universiti Teknologi MARA) Title: Biomass Algae Biomass Modified Chitosan Biopolymer for Enhanced Toxic Dye Removal	Prof. Ir Rahmawaty (Universitas Sumatera Utara Indonesia) Title: Seasonal Plants Land Suitability: Land Limiting Factors and Management Recommendations in Supporting SDGS Achievement	Assoc. Prof Dr. Ernie Suzana Ali (Uni. Sains Islam Malaysia) Title: Antimicrobial Shape Memory Polyurethane From Waste Cooking Oil
1100-1110	P223A -Siti Nuramirah Rabbani binti Muhammad Zaki Title: A Comparative Study of Demineralization and Physical Activation in Enhancing the Porosity and Adsorption Properties of Recovered Carbon Black Pyrolyzed from Waste Tire	M328B -Mohd Nazip Suratman Title: Floristic Composition and Conservation Assessment of Lowland Dipterocarp Forests in UiTM Puncak Alam, Selangor, Malaysia	M314A -Fiona Angellinnov Title: Oil Palm (Elaeis guineensis) Leaves Extract Mediated Green Synthesis of TiO2 Nanoparticles and Their Optical Characteristics
1110-1120	P127A -Iswara Gautama Title: Waste Potential and Logging Times In People's Teak Forests	M212B -Andi Detti Yunianti Title: Secang Wood as a Dye for Gmelina Wood and Lento-Lento Wood at Different Times	M314B -Mohammed Falalu Hamza Title: The Impacts of Different Adsorbents on the Treatment of Produced Water Generated from Oil Industries
1120-1130	M112A -Surya Al Fatah Title: Integrated Geographic Information System (GIS) and Analytical Hierarchy Process (AHP) In Public Green Open Space Management in Medan City	M317B -Astuti Arif Title: Termite Diversity on Palm Oil Plantation in Pinrang Regency, South Sulawesi, Indonesia	M315B - Nur Iwani Nor Izaham Title: Low Temperature AC Photoelectrochemical Etching of Si-doped n-type GaN: Nanostructure Fabrication for Enhanced MSM Photodetector Performance
1130-1140	P226A -Sikiru Surajudeen Olalekan Title: Innovative Utilisation of Ferrite Magnetic Nanoparticles with Electromagnetic Field Propagation for Enhanced Oil Recovery Using 3-D Finite Element Methods	M322B -Agus Purwoko Title: Characteristics of Kepah (M. meretrix) and Mangroves as its Habitat in the Main Clam-producing Area of Bagan Asahan, North Sumatra, Indonesia	M312B -Wahyuni Title: Land Use Suitability Based on Spatial Pattern in Biang Loe Watershed
1140-1150	M117A - Ardi Mardiana Title: Cross-Platform Speaker Diarization: Evaluating the Scalability and Flexibility of Maleo	P140B -Haidar Fari Aditya Title: Phytoremediation Potential of Four Plants in Contaminated with PB and CD Near the Pulp and Paper Industrial Area, Indonesia	M313B -Risfah Yulianty Title: Discrimination of Kleinhovia hospita in South Sulawesi using FTIR, Chemometric Approach
1150-1200	M118A - Fahri Budiman Title: Scenario Modelling for Tapanuli Orangutan Habitat Preservation in Central Tapanuli	P144B -Seca Gandaseca Title: Tree and Medicinal Plant Diversities in UCS Forest, Puncak Alam, Selangor Malaysia	M317A -Erni Farisha Binti Muhammad Fadzulli Title: Impact of Social Marketing into Purchasing Behavior of Apparel Products in Malaysia
1200-1210	P230A -Syed Taufiq Akmal Title: A Comparative Study of Different Thresholding Techniques in Segmenting Porous Gallium Nitride in Field Emission Scanning Electron Microscopy Images	M136B -Nurfarah Ain Binti Limin Title: Behavioural Patterns and Faecal Glucocorticoid Metabolites (Fgm) Concentrations in Captive Malayan Tigers at National Wildlife Rescue Centre (Nwrc), Perak, Malaysia	M315A -Fiona Angellinnov Title: Exploring The Characteristics of TiO2 Nanoparticles Green Synthesized Using Gambir (Uncaria gambir) Leaves Extracts

1210-1220	P131A -Engkos Koswara Title; Numerical Study of Nozzle Tilt Variation on Pelton Turbine Performance	M322A - Wanti Mindari / Haidar Fari Title; Phytoremediation Potential of Four Plants Contaminated With Pb And Cd Near the Pulp and Paper Industrial Area in Indonesia	P229B -Herlina Rante Title; Isolation and Characterization of Antibacterial – Producing Actinomycetes from Soil in Luwu Timur Regency, South Sulawesi, Indonesia
1220-1230	P228B -Andang Suryana Soma Title; Landslide Hazard Modeling using the Artificial Neural Network (ANN) Approach in the Biang Loe River Watershed	M133B - Nurul Fathiah Binti Khairudin Title; Exploring Epiphytes Dynamics Across Diverse Landscapes in Oil Palm Plantation: Ecological Insights	P142B -Sazlinda Kamaruzaman Title; Effervescence Tablet-Assisted Dispersive Solid Phase-Microextraction Based on Multi-Templates Molecularly Imprinted Polymer/Graphene Oxide for Preconcentration and Determination of OAC Drugs in Aqueous Samples
1230-1240	M119A - Dony Susandi Title; Enhancing Material Quality Control in Construction: A Data-Driven Approach Using PDCA and DMAIC	P143B -Zulfan Arico Title; Land Use Impact on Seedbank Diversity in Montane Bogs Forests: A Study on Tree Restoration Efforts	M323B -Nuraina Hanum Binti Abdulruhimi Title; Effect of Ba²⁺ Substitution at A-site on Structural, Electrical and Magnetic Properties of Sm_{0.5}Ca_{0.5}MnO₃ Manganite
1300-1430	Lunch break & Poster Session		
SESSION 2			
Chairperson	Prof. Ts. Dr. Mohd Nazip Suratman	Prof. Agus Purwoko	Assoc. Prof. Dr Adi Md Sikin
1430-1440	M210A -Muhammad Rakha Alfarabi Title; Machine Learning Assisted Scanning of Pyrimidine-Pyrazole Derivative Compounds as Steel Corrosion Inhibitors in Hydrochloric Solution	P145B -Masrizal Sararan Title; Species Composition and Vegetation Structure in Conservation Partnership Areas of the Gunung Leuser National Park	M111A -Marina Zulkifli Title; Oxidative Stability of Cookies Formulated with Kiwi (Actinidia Deliciosa) as Active Ingredient
1440-1450	P123A -Rio Sudwitama Persadanta Kaban Title; Prediction of Tensile Strength, Hardness, and Melting Point of Nickel and Iron-nickel Superalloys Based on Composition Using Machine Learning	M217B -Siti Khairiyah binti Mohd Hatta Title; Unraveling Mutualistic Dynamics: Host Specificity of Blastophaga sp. Fig Wasps from Ficus deltoidea var. deltoidea	P220B - Opeyemi Saheed Kolawole Comparative effectiveness of different animal manure and the phytotoxicity evaluation on the growth and yield of Abelmoschus esculentus L. (Okra) vegetable
1450-1500	M313A -Nofrijon Sofyan Title; Characteristics of Graphene Oxide-Doped and Basella rubra Leaves Extract Mediated Green Synthesis of TiO₂ Nanoparticles	P147B -Dwi Astiani Title; Tree-species Selection and Richness of the Tembawang Forest, Local Wisdom in Supporting Food Security and Improving the Environment in a Sustainable Manner	P225A -Nabilatulkhilwa binti Khairi Ajmain Title; Comparative Effects of Long-term vs. Short-term Coffee Consumption on Metabolic Health: A Systematic Review
1500-1510	P124A -Julius Paolo Siregar Title; Land Cover Change Analysis in the Potential Area of the Tapanuli Orangutan Ecological Corridor between the West and East Blocks of the Batangtoru Hutaimbaru	M211B -Andi Sadapotto Title; Soil Surface Insect Diversity in Sugar Palm (Arenga pinnata) And Pine (Pinus merkusii) Stands At The Hasanuddin University Educational Forest, Maros	M219A -Rumaisya Yasmin Binti Mohd Nazri Title; Critical Cultivation Parameters for Optimized Astaxanthin Biosynthesis in Haematococcus pluvialis: A Systematic Review
1510-1520	P125A -Budiaman Title; Sustainable Agroforestry System Supporting Sulawesi's Endemic Bee Feeding Wallacetrigona incisa	P149B -Syamsu Rijal Title; Land Cover Dynamics of Social Forestry Using Google Earth Engine at Latimojong Forest Management Unit, South Sulawesi, Indonesia	M311A -Hafizuddin Ja'afar Title; Coffee as a Functional Food: Does Brewing Method Matters?
1520-1530	P126A -Fitra Syawal Harahap Title; Study of Soil Erodibility in its Relationship with Coffee Plant Productivity Based on Agroforestry in Silaen District Toba Regency	P150B -Ramadhani Mahendra Kusuma Title; Comparative Study of Nocturnal Insect Diversity in Integrated Pest Management (IPM) Rice Fields in Indonesia and Malaysia	M213A -Nuratikah Binti Abdulllah Title; Exploring the Impact of Brewing Techniques and Roasting Levels on the Metabolomics and Antioxidant Profile of Coffea liberica, Coffea arabica, and Coffea canephora
1530-1600	Tea break & Poster Session		
SESSION 3			
Chairperson	Assoc. Prof. Dr. Shariff Ibrahim	Prof Ir. Rahmawaty	Dr. Amaliawati Ahmad Latiffi
1600-1610	P121A -Lo Po Kim Title; Assessment of Microplastic Pollution in Malaysia's Freshwater Ecosystems: A Case Study of Sungai Keranji, Kampar, Perak	P151B Wiwik Ekyastuti Title; Potential of Peatland After Burning as A Source of Arbuscular Mycorrhizal Fungi Inoculum	P229A -Nur Aqilah Binti Zailani Title; Molecular Insights into Kombucha Tea: A Functional Food Perspective
1610-1620	P128A -Irwandi Title; Analysis of Sumatran Orangutan Occupancy Patterns in Forest Management Unit (KPH) 6 Aceh Province Using SMART Data	M318B -Rizki Amaliah Title; Analysis of Infiltration Rates in the Agroforestry System of Arenga pinnata (Sugar Palm) in Bonelema Barat Village, Luwu Regency, Suso Watershed	P141B -Tri Ferga Prasetyo Title; Research and Development of a Roselle Petal Maturity Detection System Utilizing HSV Image Segmentation Method, Based on Raspberry Pi and Internet of Things Technology

1620-1630	P129A -Aline Sisi Handini Title; Enhancing Tomato Production with Liquid Organic Fertilizer and Growing Media Combinations	P224A -Nazrizawati Binti Ahmad Tajuddin Title; Structural Design of Macroporous Layered Double Hydroxide Catalysts: Alleviating Mass Transport Constraints In Bulkier Triglycerides	M310B - Rina Maharany Title; Effect of Sugar Cane Blotong Application Time on Improvement of Soil Biological Properties in Plants Producing Palm Oil (Elaeis Guineensis Jacq)
1630-1640	P130A - Dimas Prabowo Harliando Title; Dynamic Simulation of Land Management for Corn Cultivation on Critical Land in Pasuruan District	P222B - Mohamed Ibrahimshah bin Kasim Title; Accuracy Comparison Between Easy Qibla and Total Station	M216B -Aida Firdaus Muhammad Nurul Azmi Title; A Review: Innovative Plant Based Meal Replacement as an Alternative Solution for Weight Control Management through A Very Low-Calorie Diet Concept
1640-1650	M212A -Syahidah Title; Biological Activity of Mahogany Bark (Swietenia Mahagoni (L.) Jacq) Growing at Different Altitudes in Barru Regency, South Sulawesi	P146B -Muhamad Helmi Husaini Bin Rusmidi Title; Astatoco vitalis: A Cost-effective Therapeutic Approach Utilizing Astaxanthin And Tocotrienols for Anti - Inflammatory Treatment	M321B -Muhammad Rizwan Title; Effect of Palm Oil Shell Biochar and P and K Fertilizer on the Growth and Production of Soybean Plant (Glycine max)
1650-1700	M319A -Siti Raihan Binti Zakaria Title; Chromatographic and Chemometric Approaches for Pyrazine Analysis in the Discrimination of Coffee Bean Varieties and Geographic Origins	M326B -Samsuri Title; Aboveground biomass model of mangrove forest using Sentinel 2A imagery in east Sumatera coastal, Indonesia	P120A - Ade Bastian Title; Enhancing Indonesian Food Safety: Deep Neuro-fuzzy Rice Quality Classification

1945 - 2245	Networking Dinner (Lanai Hall)
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CONFERENCE SCHEDULE			
DAY 2			
Venue	Wawasan Hall	Serindit Room	Jelatek Room
Scope	Advanced Technology	Fundamental Science	Fundamental/Applied Technology
SESSION 4			
Chairperson	Dr. Sikiru Surajudeen	Assoc. Prof. Dr. Seca Gandaseca	Assoc. Prof. ChM. Dr. Sazlinda Kamaruzaman
0830-0840	P122A -Masitah Binti Abu Kassim Title; Performance Characteristics Assessment of Sustainable Materials using Life Cycle Assessment (LCA)	M217A -Intan Nurfarzana Binti Mohd Safini Title; Patterns of Antibiotic Resistance in Staphylococci Associated with Bovine Subclinical Mastitis	M320B-Noor Hidayah Binti Pungot Title; Toward Novel Therapeutics: A Synthetic Approach to Pachydermin from Chamonixia pachydermis as a Promising Pharmacological Agent
0840-0850	M211A -Rovina Kobun Title; Integrating Food Technology and Polymer for Sustainable Agricultural Practices: Enhancing Tomato Shelf Life with Natural Coatings	M210B -Yenny Wuryandari Title; Antagonistic Ability of Bacillus spp. Against the Pathogen Fusarium sp. Causes of Chili Plant Wiltling (Capsicum annum L.) and Mechanism of Action	P223B -Ade Fitria Title; Estimation of Carbon Sequestration in Rubber Vegetation Using Remote Sensing
0850-0900	M130B -Zety Sharizat binti Hamidi Title; Impacts of Angular Width on the Physical Properties, Evolution, and Propagation of CMEs During the Transition Phase from Solar Cycle 24 To Solar Cycle 25	P148B -Emi Roslinda Title; Management of Tembawang, a Traditional Community Forest in West Kalimantan, for Biodiversity Conservation	M110A - Wan Saidatul Syida Bt Wan Kamarudin Title; Fuctional Improvement of Kefir's Physicochemical and Sensory Attributes with Mango Peel Puree
0900-0910	M215A- Anita Zaitunah Title; Mapping Vegetation Dynamics and Coastline Change Using Remote Sensing Techniques in Pantai Cermin, Serdang Bedagai, North Sumatra	M213B -Abdul Rauf Title; Percut Watershed Monitoring and Evaluation Supports Sustainable Watershed Management in North Sumatra	P224B -Khairil Anuar Jantan Title; Phosphine-Free Approach for the Suzuki-Miyaura Reaction, Antifungal Efficacy, In Silico Analysis, and Molecular Docking Studies of Dimeric Iodide-Bridged Palladium(II) Complexes
0910-0920	M318A -Norzihan Rahimi Title; Buckling Analysis and Laminate Optimisation of Composite Laminates	M214B -Lai Zhi Qin Title; Effect of Mycovirus Infection on the Hydrolytic Enzymes Activity on Fusarium oxysporum f. sp. cubense Tropical Race 4, the Causal Agent Banana Fusarium Wilt	P225B -Mohd Khairulniza Mansor Title; Influence of Solvent Type on the Morphology and Mechanical Properties of Electrospun PMMA Nanofibers
0920-0930	P221A - Nur Diyana Nadirah binti Fuadi Title; Pitch Study of Bifacial Photovoltaic System Design Using Pvsyst: A Case Study in Puncak Alam, Malaysia	M215B -Norinsafirina Binti Mustaffa Kamal Title; Three-factor Response Surface Optimization for Manganese Adsorption by Ferromanganese Ore and Humus Mixture	P227B -Hanisah Binti Zainal Abidin Title; Porosity and Structural Integrity of Tin-Polydimethylsiloxane (PDMS) Composites for Radiation Shielding Applications.
0930-0940	M218A -Mr. Oluwatosin Obaseki Title; Photoelectrode Materials for Green Hydrogen Production: A Concise Overview	M134B -Nur Amin Ibrahim Title; Biodiversity of Understorey Vegetation in Oil Palm Plantation: Insights from Banting, Malaysia	M320A -Adi Md Sikin Title; Optimization of Roasting Condition of Salak Seed (Salacca zalacca) as Coffee Substitute and its Physicochemical Properties
0940-0950	M312A -Azra Umairah Binti Anuar Title; Tailoring Oxidation Degrees of Graphene Oxide (GO) Based Recovered Carbon Black (rCB) of Waste Tire Through Varying Potassium Permanganate Concentration	M321A - Indra Gunawan Title; Soybean Plant Growth and Production Response (Glycine max L) Regarding the Use of Organic Fertilizers and Inorganic P and K	P220A - Nurul Zaizuliana binti Rois Anwar Title; Proximate Composition, Thermal and Rheological Properties of Ice Cream Substituted with Different Proportions of Palm Sugar as Natural Sweetener
0950-1000	M115A -Nafisah Binti Musa Title; The Use of Empty Fruit Bunches (Efb) for Biodegradable Plastic Utensil Alternatives	M324B -Mohammed Abdullahi Title; Potentials and Limitations of Cold adapted Hydrogen Producing Bacteria; A Mini Review	P230B -Yazmin Bustami Title; Evaluation of anti-quorum sensing of bioAgNPs against Pseudomonas aeruginosa sp. using in vitro and in silico approaches
1000-1010	P231B -Nurul Husna Mohammad Bokhari Title; Statistical Analysis of Isolated Metric Type III Solar Radio Bursts (Subtype VI) During the Ascending Phase of Solar Cycle 25	M325B -Muhammad Isah Legbo Title; Antibacterial Activity of piliostigma thonningii Extracts against Bacterial Species Isolated from Open Wound	M216A -Muhammad Iqbal Hafiz Bin Saad Title; Prevalence and Antibiotic Resistance of Enterococcus faecium and Enterococcus faecalis in Municipal Wastewater Integrated with Hospital Effluent in Northern Malaysia
1010-1020	P227A -Nurul Syafiqah Binti Roslan Title; Porosity and Structural Morphology of Double Layers Tin-polydimethylsiloxane (PDMS) as Radiation Shielding Material	M329B -Sadia Sultan Title; Modulating the metabolism of soil fungi: Use of toxic volatiles as a tool for selective isolation	M139B -Nur Farah Syuhada Binti Mohd Zaki Title; Isolation and Identification of Tannin-degrading Bacteria From Goat Feces, Ruminant Fluid, and Rumen Gut
1020-1030	P231A -Fatin Nur Azmina Binti Mohd Fauzi Title; Evaluating The Efficacy of Petroleum Based Polyurethane versus Green Polyurethane: A Comparative Study on The Physical, Mechanical and Morphological Properties for Enhancing Grouting Application		
Light refreshments & end of conference			

POSTER PRESENTATION DASAT 2025

POSTER ID	Advanced Technology	POSTER ID	Fundamental Science
T310A	Chemically Modified Banana Stem Bioadsorbents for Effective Adsorption of A Reactive Dye in Aqueous Solution	T318B	Evaluation of Physical and Chemical Properties Of Bamboo Leaves and Their Potential for Tea Production: Impact of Particle Size on Total Phenolic Content
T311A	Mechanical Properties of Hybrid Woven Glass Cloth and Recycled Polypropylene Sheet Of Polyester Laminate Composite	T319B	Thermal Conductivity of Al ₂ O ₃ Nanofluid Utilizing Cross-linked Polyacrylic Acid (PAA) as the Base Fluid: An Experimental Study
T313A	Antimicrobial Shape Memory Polyurethane From Waste Cooking Palm Oil	T322B	An Investigation of Chia Seed Emulsifiers in Oil-In-Water Emulsion Mixtures.
T314A	Development and Characterization of Mechanical, Physical and Biodegradability Properties of Banana Peel-based Bioplastic	T327B	Hyrtyosulawesine: An Efficient Synthesis and Molecular Docking Studies
T315A	Comparative Study of PLA/Kenaf Core and PLA/Kenaf Bast Flexural Properties	T333B	Deflection Performance of Composite Panels Comparing Particleboard, Blockboard and Sandwich Board
T316A	Advancing Wood Coating Efficiency through Nanotechnology Applications	T334B	Perfomance of Kitchen Cabinet as Built-in Furniture
T317A	Fe ₃ O ₄ /NiO/Graphene Composites: Enhancing Humidity Energy Harvesting Through Temperature Variations	T336B	Application of Asparaginase Enzyme In Reducing Acrylamide Formation In Roasted Coffee Beans
T320A	Anti-odour and Colour Properties of Cotton Fabric Dyed with Spent Ground Coffee	T337B	Structural Properties of Barium (Ba) Substitution at A-Site on SrBaMnRuO ₆ Double-Perovskite Material
T324A	Design and Development of Conductive Hydrogels for Enhanced Neural Regeneration in Spinal Cord Injuries	T338B	Green Synthesis, Characterization and Anticancer Activity of Poly acetal/Chitosan doped with Gold Nanoparticles
T325A	High-Sensitivity Sensors for Dual Detection of Hydrogen and CO ₂ Gases: Advances in Materials and Design	T339B	Mentha piperita Ethanolic Extract Attenuates the Growth of Oral Pathogenic Bacteria
T326A	Advancements in Graphene Nanocoating: A Novel Approach to Corrosion Protection for Offshore Pipelines	M327B	Effect of Addition of Emulsifiers and sterilization on the physical stability of tigernut-date-coconut milk drink
T335A	A Preliminary Study on the Carbon Footprint of Rubberwood Primary School Chair		