



VIRTUAL
UNDERGRADUATE
RESEARCH CONFERENCE 2021

Programme Book

URC | UNDERGRADUATE
RESEARCH
CONFERENCE

9:00 AM – 3:00 PM

18th December 2021

<https://www.utm.my/urc>

<https://bit.ly/URC2021>

Virtual Online Conference
via



Organized by:



UTM
UNIVERSITI TEKNOLOGI MALAYSIA



iLeaGue
Institute for Life-Ready Graduate

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Welcoming Note from General Chair of URC 2021 Prof. Madya Dr. Norhisham bin Bakhary



We would like to welcome you to the 2021 Undergraduate Research Conference (URC 2021) to be held on 18 December 2021. This Undergraduate Research Conference that held annually since 2017 offers an exciting platform for final year students to showcase their completed research as part of their undergraduate coursework. URC 2021 provides an excellent platform for budding researchers to demonstrate their communication skills, enhance their work readiness, meet students from other disciplines,

learn how other disciplines approach research problems. Additionally, URC2021 will be the one for the student to share their thoughts and exchange ideas on how to chart their journey forward to reach new heights.

Due to the epidemic of COVID-19, This year the URC2021 will be convened fully online, however URC2021 still provides undergraduate researchers a unique opportunity to present their research and enjoy a research conference environment.

To put a conference during this epidemic time is not a small task. To that end, we would like to thank the organizing committee for invaluable support in organizing the conference. Technical support team, keynote speaker, panels, the authors, and presenters for participating and making URC2021 a great venue for final year student to showcase their research. Stay safe and healthy.

Welcoming Remark from Deputy Vice Chancellor (Academic & International), UTM Prof. Sr. Dr. Hishamuddin Mohd Ali

I am pleased when I hear that URC 2021 has received overwhelming responses from amongst UTM final year undergraduate students from multidisciplinary research field. It goes to show many more innovations and ideas are being materialized which tell us that, pandemic did not stop us.

URC created an opportunity for the participants to exposed themselves of the recent development and network and meet colleagues. In general, this event provided a good opportunity to meet others and exchange ideas. The success of past Undergraduate Research Conference is a testimony of the dedication of educators in bringing high quality education to our future generations. I am truly impressed with the great enthusiasms shown by the participants of the URC 2021 in putting their very best effort to demonstrate their research. I hope by showcasing their research and innovations in the URC 2021, all the participants can learn, relearn, and continue to innovate. My utmost gratitude to the Virtual URC 2021 organizing committee from Institut Siswazah Tersedia Kehidupan (UTM iLeague) for their tremendous contribution and dedication to make this conference successful. I wish all the participants the very best luck for your presentations.



Conference Committee

Patron	Prof. Dr. Mohd Shafry bin Mohd Rahim Pengerusi, Institut Siswazah Tersedia Kehidupan (UTM iLeaGue)
Honorary Chair	Prof. Ts. Dr. Intan Zaurah binti Mat Darus Pengarah, Pusat Akademik dan Pengalaman Pembelajaran (CAEL) Institut Siswazah Tersedia Kehidupan (UTM iLeaGue)
General Chair	Prof. Madya Dr. Norhisham bin Bakhary
Secretary	Cik Mira binti Panadi
Treasurer	Dr. Nur Izyan Binti Wan Azelee
Publication Chair	Prof Madya Dr Mazura binti Jusoh
Secretariat Chair	En. Azhar bin Ahmad
Proceedings Committee	Dr. Siti Zaleha binti Daud Dr. Aishah binti Rosli Prof. Madya Dr. Sarimah binti Ismail Dr. Mohamad Shah bin Kassim Dr. Nurul Diyana Binti Md Khairi
Publication Committee	Dr. Chin Chee Loong Prof. Madya Dr. Norzita binti Ngadi Dr. Mohd Asmadi bin Mohammed Yussuf Dr. Norhana binti Mohamed Rashid Dr. Aiman bin Mohd Rashid

Conference Committee

Activity Committee

Dr. Mohd Ibthisham bin Ardani
Dr. Mat Hussin bin Ab. Talib
Dr. Ummikalsom binti Abidin

Event Committee

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Dr. Siti Mariam binti Norrulashikin
Dr. Shaziera binti Omar

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Sr Gs. Dr. Othman bin Zainon
Dr. Nurul Izzati Binti Abd Karim

IT & Multimedia Committee

Dr. Farrah Azwanee binti Aminuddin
Dr. Muhammad Syahir Bin Sarkawi
Dr. Hazinah Binti Kutty Mammi
LAr. Dr. Zanariah Binti Jasmani

Secretariat Committee

En. Mohd Nazih bin Nordin
En. Adam bin Mohd Taha
En. Ardiyanto bin Arda
En. Ahmad Fadli bin Othman
Pn. Norlida binti Sajimin
Pn. Norarfinah binti Ariffin
En. Mohd Izhar bin Dorani

Creative & Multimedia Committee

Pn. Nur Aida Faziera binti Kamaruddin
Pn. Nor Farahani binti Idris

Programme Schedule

Time Agenda

0845 Registration of Participants (<https://forms.gle/gXu8xZh5VVU2du3k6>)



0900 Welcoming Remark by Master of Ceremony

0910 Du'a Recitation

0915 Opening Speech by General Chair of URC 2021

0920 Speech by Deputy Vice Chancellor (Academic & International), UTM

0930 Coffee Break

0935 Keynotes Speech: Assoc. Prof. Ir. Roslin bin Ramli

1020 Parallel Sessions

1305 Lunch slot

1400 Speech by Prof. Ts. Dr. Intan Zaurah binti Mat Darus

1410 Award Ceremony

1435 Closing Remark

Keynote Abstract

Portfolio Scenarios Analysis: Engineering & Construction in Oil and Gas Industry



Assoc. Prof. Ir. Roslin bin Ramli

Marine Technology Centre (MTC),
School of Mechanical Engineering (SME), UTM

The engineering and construction in the oil and gas industry is a unique and complex activity. Application and enforcement of Key Performance Indicator (KPIs) in the engineering and construction phase will minimize the impacts and risks toward project completion. The value of formulation and integration between engineering and construction will be the key message in this URC 2021.

Hence, both engineering and construction have the right to stay in control of their responsibilities.

Guide to Join Parallel Sessions

1. Look for your Paper ID in the table below and visit specified page.
2. Click the link given in the specific page.

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<u>12</u>	64	102	113	105	111	126	114				
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Parallel Sessions: Session 1

[\(Click here to join Webex Session\)](#)

SESSION CHAIR: ASSOC. PROF. DR. NORZITA NGADI
 INDUSTRIAL JURY: MISS NORFALISA JUSOH
 ACADEMIC JURY 1: DR. MUHAMMAD TAHIR
 ACADEMIC JURY 2: DR. ABDUL RAHIM BIN RISAL

TIME	ID	PROJECT'S TITLE	PRESENTER'S NAME
1020	18	RADIATION INDUCED GRAFTING OF VINYLIMIDAZOLE ONTO CELLULOSE TRIACETATE MEMBRANE FOR RARE EARTH METAL REMOVAL	DEVI DURGAASHINI A/P RAMESH
1035	19	RADIATION SHIELDING SIMULATOR USING JAVA	TAN JIA YEE
1050	58	SURFACE MODIFICATION OF CELLULOSE TRIACETATE MEMBRANE BY RADIATION GRAFTING FOR RARE EARTH METAL RECOVERY	THIRUNAUKKARASU A/L ASOGAN
1105	108	MODIFIED BIOCHAR FOR HEAVY METAL REMOVAL	MUHAMMAD IQMAL HUSHNAN
1120	124	SIMULATION STUDY OF LEAD REMOVAL FROM WASTEWATER BY USING TEA WASTE AS BIO-SORBENT	THAVAAMBIGAI A/P REVICHANDRAN
1135	109	DEVELOPMENT OF HEAT EXCHANGERS ENERGY SYSTEM ANALYSIS AND PROCESS IMPROVEMENT	NURUL AIN BINTI AHMAD RUSHDI

Parallel Sessions: Session 2

(Click to Join Webex Session)

SESSION CHAIR: DR. MOHD ASMADI MOHAMMED YUSSUF
 INDUSTRIAL JURY: MR. FARIS IBRAHIM
 ACADEMIC JURY 1: DR. MUHAMED YUSUF SHAHUL HAMID
 ACADEMIC JURY 2: DR. SITI HAJJAR CHE MAN

TIME	ID	PROJECT'S TITLE	PRESENTER'S NAME
1020	64	METAL IONIC CROSSLINKED CARBOXYLATED NITRILE BUTADIENE RUBBER GLOVE	CHOO WEI WANG
1035	102	OPTIMIZATION OF BENCH-SCALE SUPERCRITICAL CARBON DIOXIDE CONDITIONS IN EXTRACTING EUGENOL FROM PIPER BETLE	AIMAN HAKIM JUWAHIR
1050	113	PREPARATION AND CHARACTERIZATION OF POLY(LACTIC ACID) / POLY(CAPROLACTONE) SHAPE MEMORY POLYMER BLENDS COMPATIBILIZED WITH EPOXIDIZED PALM OLEIN	ARIQ AHMAD BOWO LEKSONO
1105	105	THERMODYNAMIC MODELLING OF ETHANOL CONVERSION TO ALDEHYDE AND HYDROGEN THROUGH DRY REFORMING	TEOH ZIAH ER
1120	111	THERMODYNAMIC ANALYSIS OF FUEL OIL BLENDED STOCK (FOBS) INTO LIQUID HYDROCARBON	TEO MEI LIAN
1135	126	THERMODYNAMIC ANALYSIS OF ETHYL ACETATE AS BIO-OIL COMPOUND TO LIGHT HYDROCARBONS	SHALINI VELAYUTHEM
1150	114	THE EFFECT OF SONICATION PARAMETERS ON STRUCTURAL, MORPHOLOGICAL AND ELECTRICAL PROPERTIES OF POLYPYRROLE NANOPARTICLES.	MUGILAN A/L PACKRISAMY

Parallel Sessions: Session 3

[\(Click here to join Webex Session\)](#)

SESSION CHAIR: DR. NORHANA MOHAMED RASHID
 INDUSTRIAL JURY: MR. SALLEHUDDIN SIDEK
 ACADEMIC JURY 1: DR. AHMAD ILYAS RUSHDAN
 ACADEMIC JURY 2: DR. AZIATUL NIZA SADIKIN

TIME	ID	PROJECT'S TITLE	PRESENTER'S NAME
1020	20	EDIBLE BIRD'S NEST AS A SOURCE OF NATURAL INGREDIENTS IN SKINCARE FOR ITS ANTIOXIDANT AND ANTI-AGING PROPERTIES	CHIA YIN YEE, EUNICE
1035	66	FACILE SYNTHESIS OF ANTIMICROBIAL ALOE VERA FOR COSMETIC APPLICATION	NURAI SHAH BINTI MOHD SAHAL SELVARAJA
1050	110	GREEN SUBCRITICAL WATER EXTRACTION ON PRODUCTION OF LOW METHOXYL PECTIN FROM BANANA PEEL WASTE	DANISH HILMAN BIN KAMARULZAMAN
1105	103	ULTRAVIOLET LIGHT EMITTING DIODE CURABLE PRESSURE SENSITIVE ADHESIVE CONTAINING MODIFIED MULTIWALL CARBON NANOTUBE FOR COVER TAPE	YOUSEF ALI AHMED AHMED MUNASSAR
1120	148	SYNTHESIS OF KENAF DERIVED ACTIVATED CARBON FOR CARBON DIOXIDE (CO ₂) GAS ADSORPTION	DANISH AIMAN B ABD MAJID
1135	138	EFFECT OF RESERVOIR CONDITIONS TO PREFORMED PARTICLE GEL (PPG) FOR OIL SWEEP EFFICIENCY	NUHA NAJIHAN BINTI AZMEE
1150	163	OPTIMIZATION OF PROCESS PARAMETERS FOR PHENOLIC ACID EXTRACTION FROM ROSELLE CALYCES BY SUPERCRITICAL CO ₂	WAN MUHAMMAD SYAHIR B WAN JUSOH

Parallel Sessions: Session 4

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SESSION CHAIR: DR. RAIMI DEWAN@ABDUL RAHMAN
 INDUSTRIAL JURY 1: MOHD EZWAN BIN JALIL
 INDUSTRIAL JURY 2: AMIR EFFENDY BIN MUHAMMAD AFIFI
 ACADEMIC JURY 1: AMIRUDIN BIN IBRAHIM
 ACADEMIC JURY 2: TS. MUHAMMAD MUZAMIL MUSTAM
 ACADEMIC JURY 3: ZAIRIL MUHAMMAD NOR

TIME	ID	PROJECT'S TITLE	PRESENTER'S NAME
1020	10	INVESTIGATION OF RFID TAG ON HUMAN BODY	BA-SALEH AMMAR NABIL SALEM
1035	36	SMART GLOVES WITH GPS FOR CYCLISTS	AHMAD HAYEDAUD
1050	14	AUTOMATED PROTOTYPE GATES WITH INTELLIGENT HEALTH SYSTEM	MAHMOUD JAMEEL ATTA DAASAN
1105	54	AN INTELLIGENT ARM AND GRIPPER MECHANISM FOR CONTROLLING THE PROBE IN TRANSESOPHAGEAL ECHOCARDIOGRAPHY OPERATION	ABDELRAHMAN ZAIAN
1120	59	OBJECT DETECTION FOR VISUALLY IMPAIRED USING AI	FAIZA ULLAH
1135	73	STROKE REHABILITATION BY WEIGHT MANAGEMENT IN OBESE MINORITY USING MACHINE LEARNING	RAISA ZAFAR KHAN
1150	74	TELEOPERATION OF ROBOTIC ARM WITH FORCE FEEDBACK	ALAA FAISAL ALI AL-FAHAD
1205	78	AUGMENTED REALITY (AR) FOR MEDICAL DEVICES	NOURALDEEN ASHRAF AHMED
1220	80	A MCKIBBEN ACTUATOR SOFT SPLINT DEVICE FOR POST-STROKE HAND REHABILITATION	ABDULGHANI SAEED OTHMAN AL-AMODI
1235	87	SIGN LANGUAGE DETECTION AND CONVERSION TO WRITTEN MESSAGES USING AI	HASSAN MOHAMMED SHAIKH AL-KAFF
1250	164	RESIDENTIAL FACILITIES COLLEGE MANAGEMENT SYSTEM	NOR FAREEZ ROHIMI

Parallel Sessions: Session 5

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SESSION CHAIR: DR. MUHAMMAD SYAHIR BIN SARKAWI
 INDUSTRIAL JURY: PN. KHAIRIAH YAZID@KHALID
 ACADEMIC JURY 1: DR. MOHD AMRI BIN MD. YUNUS
 ACADEMIC JURY 2: DR. MUHAMMAD AFIQ NURUDIN BIN HAMZAH

TIME	ID	PROJECT'S TITLE	PRESENTER'S NAME
1020	71	MACHINE VISION-BASED SYSTEM FOR TRAFFIC MONITORING AND PREDICTION	ELBARAA ABDELFATTAH ABDALLA ELSAWAH REFAIE
1035	72	INTELLIGENT SYSTEM FOR SHIPPING CONTAINER RECOGNITION AND SUPERVISION	ASSEM JAMEEL AHMED THABET AL-QERSHI
1050	82	AUTOMATED WAREHOUSE INVENTORY MANAGEMENT USING DRONE TECHNOLOGY INTEGRATED WITH INDOOR NAVIGATION SYSTEM AND RFID SYSTEM	MAHMOUD GAMAL FATHALLA
1105	130	OPTIMIZED PID CONTROLLER OF A WATER DISTRIBUTION SYSTEM UTILIZING PARTICLE SWARM OPTIMIZATION AND GREY WOLF OPTIMIZATION	NUR FATHEN AMIRA BINITI KOSMANI
1120	22	ANALYSIS OF ABSORBER LAYER THICKNESS AND TRANSPORT LAYERS IN PEROVSKITE SOLAR CELL	SADNAN SAKIB
1135	92	SIZING OF STANDALONE PHOTOVOLTAIC-THERMOELECTRIC GENERATOR COGENERATION USING PARTICLE SWARM OPTIMIZATION	ASEEL AHMED MOHAMMED OBAID BA SALEM
1150	101	MAXIMUM POWER GENERATION OF PHOTOVOLTAIC-THERMOELECTRIC GENERATOR COGENERATION USING BOOST CONVERTER.	ABDULLAH A. O. ALHADDAD
1205	61	THE IMPROVEMENT ON BREAKDOWN STRENGTH OF XLPE BLENDED WITH NANOFILLERS	IBRAHIM ALI NURADIN HASSAN
1220	65	PIEZOELECTRIC MATERIAL BASED ORGANIC FIELD EFFECT TRANSISTOR FOR FLEXIBLE ELECTRONICS.	MD RAKIN AL MAMUN
1235	86	NONDESTRUCTIVE DEVICE FOR WALL THICKNESS MEASUREMENT AND ANOMALIES DETECTION	MOHAMMED KHALED ABDO AL-MUNTASER

Parallel Sessions: Session 6

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SESSION CHAIR: DR. SITI MARIAM NORRULASHIKIN
 INDUSTRIAL JURY: PN. AINATUN ILLANI AHMAD ZUKRI
 ACADEMIC JURY 1: DR. SITI ERNIEYANTI HASHIM
 ACADEMIC JURY 2: DR. NURRULHIDAYAH SALAMUN

TIME	ID	PROJECT'S TITLE	PRESENTER'S NAME
1020	1	NATURAL DEEP EUTECTIC SOLVENT AS EXTRACTION MEDIA FOR XANTHORRHIZOL AND CURCUMIN FROM CURCUMA XANTHORRHIZA	LOOK LI MON
1035	2	INTERACTION OF THE NANOBIO-BASED REAGENT WITH SODIUM FLUORESCEIN AND LIPIDS VIA BIOINFORMATICS FOR FORENSIC FINGERPRINT VISUALIZATION	KHOR TZE LIN
1050	8	TOXIC METALS, VOLATILE ORGANIC COMPOUNDS AND MICROFIBER ANALYSES FROM DISPOSABLE FACE MASK	ALICE SIM HUI LI
1105	12	COATING OF TEXTILE USING CELLULOSE FROM WATERMELON RIND	WONG KEH LI
1120	26	QUANTIFICATION OF ULTRASOUND PRETREATMENT OF Piper betle OIL	NURHAZLIN BINTI AZMAN
1135	51	PREPARATION OF SILVER/ZEOLITE IMIDAZOLATE FRAMEWORKS FOR ENHANCED ANTIBACTERIAL PROPERTIES	SITI AIFA HUSIN
1150	81	ELECTROSPUN POLY (ϵ -CAPROLACTONE) NANOFIBER MEMBRANE MODIFIED WITH EGG SHELL AND EGG SHELL MEMBRANE AS WOUND DRESSING MATERIAL	HASAN SEDZALI

Parallel Sessions: Session 7

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SESSION CHAIR: DR. NURUL IZZATI ABD KARIM
 INDUSTRIAL JURY: LAR. NOR'ASHIKIN MOHD YASIN
 ACADEMIC JURY 1: LAR. DR. MUHAMMAD FARID AZIZUL BIN AZIZUI
 ACADEMIC JURY 2: DR. NORHADJIA BINTI DARWIN
 ACADEMIC JURY 3: DR. AHMAD AZIM SHUKRI

TIME	ID	PROJECT'S TITLE	PRESENTER'S NAME
1020	21	SIMPLIFIED CONFINING STRESS PATH DEPENDENT MODEL FOR PRE-TENSIONED STEEL-CONFINED CONCRETE	HANIZ SYAFIQAH BINTI MOHD SALIM
1035	27	SOFT COMPUTING APPROACH TO PRODUCE THE STRESS-STRAIN MODEL OF PRE-TENSIONED STEEL-CONFINED CONCRETE	VINOTH KUMAR A/L KRISHNAN
1050	69	REJUVENATING QUALITY OF PHYSICAL AND SOCIAL ENVIRONMENT IN URBAN VILLAGE	AULIANNISA SARAH FIRDAUSI FULKAN
1105	28	REVITALISING COAL MINING INDUSTRIAL HERITAGE IN HISTORIC URBAN LANDSCAPE	AINA ZAFIRAH BINTI RADZUAN
1120	38	STRENGTHENING COMMUNITY SENSE OF PLACE THROUGH PLACEMAKING	QURRATU NISA ZAFIRAH BINTI MOHD ZIN
1135	30	GLOBAL POSITIONING SYSTEM PERFORMANCE ASSESSMENT WITH PRECISE POINT POSITIONING AND RELATIVE POSITIONING	MOHD. SYAZWAN AFFIF BIN SULAIMAN
1150	45	REJUVENATING A WALKABLE CITY THROUGH PUBLIC ART APPROACH	NICHOLAS YONG JIA FU
1205	46	URBAN HEAT ISLAND MITIGATION IN ACHIEVING OUTDOOR THERMAL COMFORT FOR ENHANCEMENT OF URBAN LIVING QUALITY	MUHAMAD KHAIRUL NIZAM BIN ABD JALIL
1220	47	ECOLOGICAL RESILIENCE APPROACH FOR SEA LEVEL RISE ADAPTATION AT URBAN WATERFRONT	LIEW CHUN FEI
1235	29	ENHANCING HEALING PROCESS THROUGH NATURE THERAPY FOR AMPUTEE PATIENTS	ELIA NURUL SYAHIDA BINTI NASRUDDIN
1250	70	THERAPEUTIC LANDSCAPE IN OPTIMISING HEALING ENVIRONMENT FOR HOSPITAL COMMUNITIES	MOHAMMAD IMRAN HAKIM BIN MOHD GHAZALI

Parallel Sessions: Session 8

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SESSION CHAIR: SR. GS. DR. OTHMAN ZAINON
 INDUSTRIAL JURY: LAR WAN SALAMATUL JUITA WAN HASHIM
 ACADEMIC JURY 1: PROF. DR. ISMAIL SAID
 ACADEMIC JURY 2: DR. WAN SAIFUL NIZAM BIN WAN MOHAMAD

TIME	ID	PROJECT'S TITLE	PRESENTER'S NAME
1020	31	CULTURAL IDENTITY AND PLANNING OF FISHERMEN VILLAGE OF COASTAL AREA IN TERENGGANU	JOSHUA TANG WIEY AIK
1035	32	RESTORING SENSE OF CULTURAL, NATURE AND HISTORICAL VALUE FOR RIVERFRONT DEVELOPMENT	IKLIL HUMAIRA BT MOHD SHAHRULL
1050	34	PRESERVING THE IDENTITY OF RIVERFRONT CORRIDOR THROUGH REVITALIZING HISTORICAL VALUES	ZAZA AINAZ BINTI MOHAMED AZNAM
1105	35	REVIVING SACRED SPACE THROUGH LANDSCAPE APPROACH AS A CONTRIBUTION TO CULTURAL TOURISM.	JOATHY A/P ARUL KAANDAN
1120	37	INTEGRATING ECOLOGICAL RELATIONSHIP OF PLANTS AND ANIMALS TO INCREASE BIODIVERSITY OF CITY LANDSCAPE	CHUNG ZE XUAN
1135	53	INTERPRETATIVE LANDSCAPE AT BIRDS HABITAT SANCTUARY FOR HORNBILL CONSERVATION CENTER	NUR IZZATI NAJIHAH BINTI ZAIDI
1150	55	THE PLANNING AND DESIGN OF CONSERVATION CENTER FOR TERRAPIN HABITAT IN MANGROVE AREAS	ARNI MAISARAH BINTI MOHD AZAM
1205	56	ECOLOGICAL WATERFRONT LANDSCAPES FOR PUBLIC RECREATION IN MERSING BEACH, JOHOR	NONI ZIZILEN BINTI AFFENDY
1220	57	THE ROLE OF LOCAL COMMUNITY IN CONSERVING HERITAGE LANDSCAPE FOR GEOPARK ESTABLISHMENT	NURUL HAJAR AMIRAH BINTI MOHAMED TAHA
1235	63	A STUDY ON MANGROVE AREA LANDSCAPE MANAGEMENT PLAN A FOR ECO-TOURISM ACTIVITY AT TANJUNG KETAPANG, MUAR	ZAID BIN JAMAL

Parallel Sessions: Session 9

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SESSION CHAIR: DR. SITI ZALEHA BINTI DAUD
 INDUSTRIAL JURY: LAR. FONG JENG JONG
 ACADEMIC JURY 1: ASSOC. PROF LAR. DR. SAPURA MOHAMAD
 ACADEMIC JURY 2: DR. YEO LEE BAK

TIME	ID	PROJECT'S TITLE	PRESENTER'S NAME
1020	39	REHABILITATION OF POLLUTED RIVER CORRIDOR THROUGH ECOLOGICAL LANDSCAPE PLANNING AND DESIGN	LAU CHEN LAM
1035	162	DESIGN APPROACH ON ABORIGINAL INTERPRETATIVE CENTRE AS INTEGRATED HUB FOR VISITOR AT NATIONAL PARK	NUR AMAL IZZATI BINTI IBRAHIM
1050	41	ENHANCING IMAGE OF A CITY BY INTEGRATING PUBLIC ART IN PUBLIC SPACE	NORAZLIN BINTI PARIS
1105	42	ENVIRONMENT ENHANCEMENT IN HIGH-TECH INDUSTRIAL PARK THROUGH DYNAMIC AND INTERACTIVE GREEN COMMUNITY SPACE	NISHA AQILAH UZMA BINTI MOHD SHAHARUDDIN
1120	44	EXPLORING THE POTENTIAL OF URBAN TREESCAPE AS HISTORICAL LANDMARK OF A PLACE	NG MINN ER
1135	48	THE ROLE OF COMMUNITY CENTER IN MANGROVE AREA FOR PROMOTING ECOTOURISM	SALSABILA FATINAH
1150	49	URBAN GREENING FOR LOW CARBON CITY AND ITS IMPACT TO HUMAN HEALTH AND WELL-BEING	LIM XIN HUI
1205	50	REGENERATION OF URBAN GREEN SPACE IN CREATING LIVABLE CITY	SITI ZULAIKHA BINTI ROSMAN
1220	52	LIVABLE ENVIRONMENT FOR SLUM AREA COMMUNITY BY DESIGNING GREEN SPACE	MOHAMMAD AZMI ABDILLAH
1235	68	LANDSCAPE PLANNING AND DESIGN OF COASTAL ECO-RESORT IN ENHANCING VISUAL QUALITY AND USER EXPERIENCE	AHMAD FARIS BIN AZLI

Parallel Sessions: Session 10

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SESSION CHAIR: ASSOC. PROF. DR. MOHD SAFARIN BIN NORDIN
 INDUSTRIAL JURY: DR. NORAIDA ABDUL KARIM
 ACADEMIC JURY 1: DR. NUR FATIHAH BINTI RAIMI
 ACADEMIC JURY 2: DR. MOHD HIZWAN MOHD HISHAM

TIME	ID	PROJECT'S TITLE	PRESENTER'S NAME
1020	96	PENGURUSAN SISA MAKANAN DALAM KALANGAN ISI RUMAH	KAMARUL ESARIZA BINTI MUHAMMAD
1035	97	KESEDIAAN BAKAL GURU TERHADAP PELAKSANAAN PEMBELAJARAN BERASASKAN PROJEK BAGI MATA PELAJARAN REKA BENTUK DAN TEKNOLOGI	NOR AMIRAH BINTI MAHMUD ZUHDI
1050	99	IMPAK PEMBELAJARAN SERVIS TERHADAP KEMAHIRAN SOSIAL PELAJAR TVET TAHUN AKHIR SEKOLAH PENDIDIKAN, UTM	NUR AFIFAH MUSFIRAH BINTI YASIN
1105	100	TAHAP KOMPETENSI GURU MATA PELAJARAN REKA BENTUK DAN TEKNOLOGI DI SEKOLAH MENENGAH DAERAH JOHOR BAHRU	NURUL SHAHIRAH BINTI ZAIHAN
1120	104	KOMPETENSI BAKAL GURU MENGENAI PENDIGITALAN PEMBELAJARAN TVET	NUR AIN SHAHIRAH BINTI ZAHRI
1135	116	IMPAK PENGGUNAAN E-LEARNING TERHADAP KURSUS AMALI DALAM KALANGAN PELAJAR KEMAHIRAN HIDUP DI UTM	NORSARIYAH BINTI ISMAIL
1150	123	BUDAYA KESELAMATAN DALAM KALANGAN GURU DI KOLEJ VOKASIONAL	NURIZYANTI BINTI MUSTAFA
1205	139	PRELIMINARY STUDY OF THE EFFECT OF EXERCISE WITH INFANTS ON BODY POSTURE	MUHAMMAD FAIZ BIN MOHD SHAFE'E
1220	140	PEMBANGUNAN MODUL PAKAIAN DAN FABRIK - PENGHILANG GELEMBUNG	NURHAZIRAH BINTI CHE MOHD ASRI

Parallel Sessions: Session 11

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SESSION CHAIR: DR. YUSRI KAMIN
 INDUSTRIAL JURY: TS. DR. AHMAD BIN ZAINAL
 ACADEMIC JURY 1: DR. NUR HAZIRAH NOH
 ACADEMIC JURY 2: DR. DAYANA ZULAIKA ABDUL GHANI

TIME	ID	PROJECT'S TITLE	PRESENTER'S NAME
1020	146	PENGARUH PERINTAH KAWALAN PERGERAKAN SEMASA PANDEMIK COVID-19 TERHADAP INDEKS JISIM TUBUH PELAJAR SAINS SUKAN UTM	NOR ALWANI HUSNA BINTI BAHARIN
1035	149	PEMIKIRAN KOMPUTASIONAL DI KALANGAN GURU DALAM PENDIDIKAN SAINS, TEKNOLOGI, KEJURUTERAAN DAN MATEMATIK (STEM)	ANNURUL AQILAH BINTI AYUZA AZMI
1050	151	KAJIAN RINTIS KEMAMPUAN INSTRUMEN TAHAP KEBIMBANGAN PELAJAR KETIKA SESI PEMBELAJARAN SECARA BERSEMUKA DAN TERADUN (BLENDED LEARNING) SEMASA PRAKTIKUM LATIHAN MENGAJAR DI SEKOLAH	NUR ARISSHA SHAFIQA BINTI MOHD ARIS
1105	152	TAHAP LITERASI KEWANGAN PELAJAR-ATLET YANG MENERIMA TAJAAN KEWANGAN	NURUL FATINAH BINTI MOHAMAD SABRI
1120	154	TAHAP KESEDARAN DAN AMALAM PEMAKANAN SIHAT DALAM KALANGAN PELAJAR IJAZAH SARJANA MUDA SEKOLAH PENDIDIKAN (ISMP), UNIVERSITI TEKNOLOGI MALAYSIA (UTM) SEMASA PANDEMIK COVID-19.	GEETHA PARAMESVARAN
1135	155	KAJIAN RINTIS PROTOKOL INTERVENSI CETUSAN KELETIHAN (PICK)	ABDUL AZIM AZFAR BIN ALIAS
1150	157	KESAN URUTAN SUKAN PRA ACARA TERHADAP KESEDIAAN OTOT ATLET LARIAN JARAK JAUH	MUHAMMAD NOR SYAHID BIN AMRAN
1205	159	IMPLEMENTASI REVOLUSI INDUSTRI 4.0 BAGI PENSYARAH-PENSYARAH TEKNOLOGI PEMBINAAN DI KOLEJ VOKASIONAL MALAYSIA. BERSEDIakah KITA ?	MURNI FAHIRAH BINTI MAHMUD

Parallel Sessions: Session 12

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SESSION CHAIR: PROF. DR. HUAM HON TAT
 INDUSTRIAL JURY: MISS NORNABILAH BINTI HANIFIAH
 ACADEMIC JURY: PROF. DR. HUAM HON TAT

TIME	ID	PROJECT'S TITLE	PRESENTER'S NAME
1020	77	FACTORS INFLUENCING CUSTOMER SATISFACTION: CASE STUDY OF ONE COSMETICS BRAND IN MALAYSIA.	MUHAMMAD AMIRUL ASRAF BIN SUNGIP
1035	125	UNDERSTANDING CUSTOMER COMPLAINTS ON ZOO NEGARA SOCIAL ENGAGEMENT	NURUL 'AIN BINTI AMRAN
1050	84	FACTOR INFLUENCING CONSUMERS' INTENTION TOWARDS FRAUDULENT DIETARY SUPPLEMENTS AMONG JOHOR CONSUMERS	SITI SUHAILIEY BINTI ABD WAHID
1105	60	CONSUMER ENGAGEMENT BEHAVIOR TOWARDS SOCIAL MEDIA CONTENT IN COSMETIC INDUSTRY	HAIRIYAH BINTI YUSUF
1120	7	FACTORS INFLUENCING CUSTOMER LOYALTY OF MOBILE ELECTRONICS STORES: CASE STUDY OF ONLY U MOBILE ENTERPRISE	KER JIE MING
1135	25	E-SERVICE OF ONLINE BANKING AND ITS INFLUENCES ON CUSTOMER SATISFACTION DURING COVID-19 AMONG JOHOR CONSUMERS: THE CASE AT BANK BRAND IN MALAYSIA	NUR FAZIRA BINTI AZMAN
1150	13	EFFECT OF REFERENCE PRICE TOWARD CUSTOMER PURCHASE INTENTION ON FROZEN FOOD: A CASE STUDY AT RESTAURANT VEGETARIAN S.I. JIN WEI	TAN YI TING
1205	15	MARKETING MIX STRATEGIES TO INCREASE PURCHASE INTENTION OF PLUMBING AND MAINTENANCE SERVICE DURING COVID-19 PANDEMIC	MUHAMMAD FAIZ BIN AZMAN
1220	16	ONLINE BOOKING IMPLEMENTATION FOR HOME MAINTENANCE SERVICES: A CASES OF NASESZ SERVICES	SUBHASS A/L SANDRAN SEGARAN
1235	9	FACTORS INFLUENCING CONSUMER PURCHASE INTENTION: TEKPOL ELECTRIC & SUPPLY SDN BHD	NG WAI TENG

Parallel Sessions: Session 13

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SESSION CHAIR: DR. MOHAMAD SHAH KASSIM
 INDUSTRIAL JURY: MADAM SITI MARIA ADAWIYAH
 ACADEMIC JURY: DR. MOHAMAD SHAH KASSIM

TIME	ID	PROJECT'S TITLE	PRESENTER'S NAME
1020	118	THE CHALLENGES AND OPPORTUNITIES OF TECHNOLOGY BUSINESS INCUBATORS FOR EMBRACING SUSTAINABLE BUSINESS	NURRINA BINTI ABDUL RAHIM
1035	24	THE EFFECT OF MARKETING MIX TOWARDS CUSTOMER SATISFACTION OF JANNAHNOE'S BRAND	FARAH ADIBAH
1050	119	THE RELATIONSHIP BETWEEN EMPLOYEE EMPOWERMENT AND INNOVATIVE WORK BEHAVIOUR AT FOREST INTERACTIVE	NG KAH WAI
1105	121	FACTORS THAT INFLUENCE ONLINE PURCHASING INTENTION AMONG PUBLIC UNIVERSITY STUDENTS IN JOHOR	LEE YU MAN
1120	62	ASSESSING CHILDREN ACCESSIBILITY, PREFERENCES, AND PROBLEM THROUGH THEIR EXPERIENCE BROWSING ZOO NEGARA'S WEBSITE	SYAFIQAH AQILAH BINTI SHAZMY
1135	76	TOURIST VISITING INTENTION THROUGH FACEBOOK	NUR NABILAH IZZAH BINTI MD EHARAY
1150	17	DESIGNING SOCIAL MEDIA BRAND COMMUNICATION STRATEGIES TO ENHANCE BRAND EQUITY OF AN ELECTRONIC COMPONENT RETAILER	FITRI NURLIZA BINTI SYAPRI
1205	83	FACTORS INFLUENCING CUSTOMER SATISFACTION TOWARDS ONE OF FAST-FOOD RESTAURANTS IN MALAYSIA	MUHAMMAD KADIR BIN GHAZALI
1220	88	ENHANCING THE BRAND AWARENESS OF ONLINE SECOND-HAND MARKET DURING PANDEMIC COVID-19	AIDA NADIA BINTI ABI SAFIAN
1235	160	STUDY OF EFFECTIVENESS & CHALLENGES MULTI-CHANNEL DISTRIBUTION MARKETING MINYAK MASAK CAP	RAHIMAH BINTI AZMAN

Parallel Sessions: Session 14

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SESSION CHAIR: DR. NURHANAN SYAFIAH ABDUL RAZAK
 INDUSTRIAL JURY: MISS CASSEY GOH KAR HE
 ACADEMIC JURY: DR. NURHANAN SYAFIAH ABDUL RAZAK

TIME	ID	PROJECT'S TITLE	PRESENTER'S NAME
1020	4	THE IMPLEMENTATION OF SOCIAL MEDIA INTERACTION TOWARD BRAND AWARENESS AND BRAND IMAGE FOR A PASTRY SHOP	YAP KAI YING
1035	89	PURCHASE INTENTION THROUGH THE MARKETING MIX FOR SEWING GARMENT INDUSTRY	NOR KHAIRENA KHALID
1050	90	FACTORS INFLUENCING BRAND AWARENESS: CASE STUDY OF CLAYNIQ ENTERPRISE	NUR QAMARINA BINTI MOHAMAD HANIF
1105	91	THE IMPACT OF BRAND EQUITY ON PURCHASE INTENTION TOWARD HERMS C ENTERPRISE	TEO KAR QING
1120	93	MEASURING CUSTOMER SATISFACTION FOR COURIER SERVICES USING SERVPERF: A CASE STUDY OF COURIER SERVICES IN MALAYSIA	SITI AMIRA SAIM
1135	94	FACTORS INFLUENCING THE NEW SERVICE POSITIONING IN TOUR AND TRAVEL COMPANY	SYAKIRAH BINTI MD YUSOFF
1150	95	DETERMINE FACTORS THAT AFFECT CUSTOMER SATISFACTION IN COMMUNITY PHARMACY: A CASE STUDY AT MUHIBBAH JAYA PHARMACY	TAM WENG HONG
1205	115	THE INFLUENCE OF BRAND EQUITY ON CUSTOMER'S PURCHASE INTENTION: A CASE STUDY OF KARISMA JAYA ENTERPRISE	RABIATUL ALYA NAJIHAH BINTI ZULFADZLI
1220	23	PROPOSED SOCIAL MEDIA MARKETING STRATEGIES TO ENHANCE BRAND PASSION AND PURCHASE INTENTION OF A BAKING SUPPLY STORE	NOVIANI BINTI IBRAHIM
1235	147	HOW UPIN AND IPIN PROMOTES TERLAJAK LARIS BRANDS	FATIN NAZURAH BT MOHD NOH

Parallel Sessions: Session 15

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SESSION CHAIR: DR. NORMAL MAT JUSOH
 INDUSTRIAL JURY: MR. WILLIAM MOK TSEUY IIUNN
 ACADEMIC JURY: DR. NORMAL MAT JUSOH

TIME	ID	PROJECT'S TITLE	PRESENTER'S NAME
1020	141	FACTORS INFLUENCING CUSTOMER SATISFACTION IN ROUMUMMY BAKERY	LIM HUEY NEE
1035	122	THE EVALUATION ON THE HOTEL WEBSITE PERFORMANCE TOWARDS CUSTOMERS RESERVATION	INTAN YUSNIZA
1050	11	MARKETING REMEDIES TO INCREASE THE PURCHASE INTENTION OF MY-ROBOT TAMAN UNIVERSITI SDN. BHD.	WOON ZENG QUAN
1105	127	FACTORS AFFECTING SALES PERFORMANCE TOWARDS LOGISTIC COMPANY	MUHAMAD RIFQI ZAFRAN BIN HAKIM
1120	128	DEVELOPING ZOOKU MEMBERSHIP CARD ATTRIBUTES TO ENHANCE CUSTOMER LOYALTY	NURUL HAFIZA BINTI AZRI
1135	33	ASSESSMENT OF SERVICE QUALITY USING WEIGHTED SERVPERF MODEL: A CASE STUDY ON J&T EXPRESS MALACCA	JAMY ONG SWEE AI
1150	132	FACTORS INFLUENCING PURCHASE INTENTION TOWARD WORKERS DORMITORY SERVICE	MUHAMMAD AMMIR HADI BIN MOHD HASNUL HADI
1205	133	THE IMPACT OF PRODUCT PACKAGING ON CUSTOMER'S PURCHASE INTENTION	FATIN FARHANAH BINTI RAMLI
1220	134	THE IMPACT OF PROMOTIONAL STRATEGY TOWARDS CONSUMER BUYING BEHAVIOR	NURUL NISYYAH BINTI MD SAHABANDI

Parallel Sessions: Session 16

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SESSION CHAIR: DR. KEW SI NA
 INDUSTRIAL JURY: MADAM NOORLELAWATI BT MUSTAFFA KAMAL
 ACADEMIC JURY : DR. KEW SI NA

TIME	ID	PROJECT'S TITLE	PRESENTER'S NAME
1020	137	FACTORS THAT INFLUENCE CONSUMER PREFERENCES TOWARDS BRANDED PRODUCTS : A CASE STUDY WITH REFERENCE TO EDIBLE OIL BRANDS IN JOHOR BAHRU, MALAYSIA	MONICA FORMAS CABE
1035	150	IMPACT OF KKKL EXPRESS'S WEBSITE DESIGN ELEMENTS TOWARDS USER SATISFACTION	LEE MEI XIAN
1050	142	FACTORS INFLUENCING CUSTOMER SATISFACTION: CASE STUDY OF BAMBOO HUT ENTERPRISE	SOH JIE QI
1105	143	FACTORS INFLUENCING CUSTOMER SATISFACTION IN DAILY HAPPY OTAK OTAK	TEE KELLY
1120	153	HOW PINTEREST ENGAGE WITH CONSUMER FOR TRAVEL	NURUL AZIFAH BINTI AZDI
1135	145	THE IMPACT OF CELEBRITY ENDORSEMENT THROUGH BRAND IMAGE ON PURCHASE DECISION AMONG INDONESIAN FEMALE	AFIFAH NURUL ADAWIYAH
1150	156	THE INFLUENCE OF TRAILERS, CRITICS REVIEWS AND WORD OF MOUTH TOWARDS CONSUMER DECISION MAKING IN KERIS SIAMANG	NURSAHIRA BINTI ENJI
1205	5	SOCIAL MEDIA MARKETING STRATEGIES TO INCREASE PURCHASE INTENTION OF A KINDERGARTEN	GOH HUI CHIN
1220	6	IMPLEMENTING SOCIAL MEDIA EFFORTS AND ENGAGEMENT TO INCREASE BRAND EQUITY AND PURCHASE INTENTION OF A TELECOMMUNICATION SERVICE PROVIDER	LIM SEOW YING
1235	144	FACTORS INFLUENCING CUSTOMER SATISFACTION: CASE STUDY ON RESTAURANT IN MALAYSIA	NUR AINI NAJIHAH BINTI MOHD JAHIB

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