



# Research **NEWS**

3/2024

Department of  
Research & Innovation  
Universiti Teknologi MARA



# // DEPUTY VICE-CHANCELLOR FOREWORD

**Prof. Ts. Dr. Norazah Abd Rahman**  
Deputy Vice-Chancellor  
(Research & Innovation) UiTM

**Assalamualaikum Warahmatullahi  
Wabarakatuh & Hello readers!**

With immense gratitude, we proudly present the third edition of our Research News. As Deputy Vice Chancellor (Research & Innovation), I am excited to share the remarkable activities and accomplishments that have shaped our journey this year. This edition serves as a vital opportunity to highlight our ongoing commitment to innovation and progress.

Documenting our research activities is essential—not just for preserving our achievements, but also for enhancing our visibility within the academic community and beyond. This visibility allows us to celebrate our impact and inspire collaboration across disciplines.

In this edition, you will find highlights such as the recent delegation visit to Shenzhen Technology University and BYD in China, where we explored advancements in transportation technology. We also undertook a benchmarking visit to Universiti Teknologi Petronas and Akademi Sains Malaysia, fostering the exchange of best practices in research management. Notably, UiTM secured two prestigious grants during the Petronas-Academia Collaboration Dialogue 2023, further solidifying our role in innovative research initiatives.

I would like to express my heartfelt thanks to everyone who has contributed to this publication. Your dedication, creativity, and hard work are the bedrock of our success and our shared vision for a better future through research.

I invite you to delve into the pages ahead, engaging with the vibrant array of ideas and achievements that illustrate our academic community's dedication to excellence. Together, let's continue to push boundaries, inspire change, and create a lasting impact for future generations.

# MESSAGE FROM THE CHIEF EDITOR

As Chief Editor, I am pleased to present the third edition of our Research News, which highlights the exceptional work and achievements of our academic community at UiTM.

Effective research communication and visibility are essential in today's academic landscape. By showcasing the groundbreaking work of our researchers, we not only enhance our institution's reputation but also foster connections that can lead to collaborative opportunities. Notably, our researchers have made significant media appearances, sharing their insights and findings with a broader audience. These engagements help elevate the profile of our research initiatives and underscore our commitment to addressing real-world challenges.

This edition also features activities organized by the Department of Research and Innovation, such as our Ukhuwah program and recent team-building events. These initiatives aim to strengthen relationships within our community and promote a collaborative spirit among researchers. By fostering a supportive environment, we encourage innovation and creativity, vital components for successful research outcomes.

I invite you to explore the stories and achievements in this edition, which reflect our ongoing commitment to innovation and excellence. Thank you to all contributors for your dedication—together, we can continue to enhance our visibility and make a lasting impact in our fields.



---

## **ChM. Dr. Shahrul Nizam Ahmad**

Head of Research Communication &  
Visibility Unit  
Department of Research & Innovation,  
UiTM



## Advisor

**Prof. Ts. Dr. Norazah Abd Rahman**

Deputy Vice-Chancellor

Research & Innovation

UiTM

# EDITORIAL BOARD



*Research*  
**NEWS**

**20  
24**

## Chief Editor

ChM. Dr. Shahrul Nizam Ahmad

## Editor

Mohamed Izzat Mohamed Khalil

## Documentation

Mohd Aizuddin Borhan Shah

## Graphic & Media

Nazarul Wirda Baharuddin

Muhammad Ammar Khaizuan

OFFICE OF DEPUTY VICE-CHANCELLOR  
RESEARCH & INNOVATION UiTM // TNCPI



# TABLE OF CONTENT

---

---

## **NEWS AT JPI**

- Delegation from Malaysia Institute of Transport (MITRANS) and Akademi
  - Q1 Article | What stops us and what motivates us?
  - Pengangkutan Jalan Malaysia visit to Shenzen Technology University China and BYD Shenzen China.
  - Lawatan Penandaarasan Pejabat TNC (P&I) Universiti Teknologi MARA ke Pejabat TNC (P&I) Universiti Teknologi Petronas (UTP)
  - Official Opening Ceremony of the AI Popularization Program & International Conference on Innovation and Entrepreneurship in Computing, Engineering, and Science Education (InvENT) 2024.
  - **Universiti Teknologi MARA (UiTM) succeed in obtaining two prestigious grants during the Petronas-Academia Collaboration Dialogue 2023 (PACD2023) Award Ceremony**
  - Timbalan Naib Canselor (Penyelidikan & Inovasi) UiTM, YBrs. Prof. Ts. Dr Norazah Abd Rahman telah menerima kunjungan hormat daripada Arsyad Ayub Graduate Business School (AAGBS)
  - Q1 journal status in 2023 for Asian Journal of University Education
  - Townhall Indeks Keselamatan Kebangsaan (IKK)
- 

## **GRANT ACQUISITION**

---

## **RESEARCH @ MEDIA**

---

## **JPI ACTIVITIES**

---

## **NEW MEMBERS @ JPI**

---

## **THANK YOU & ALL THE BEST**



**NEWS**  
**at JPI**

July - September 2024

# DELEGATION FROM MALAYSIA INSTITUTE OF TRANSPORT (MITRANS) AND AKADEMI PENGANGKUTAN JALAN MALAYSIA VISIT TO SHENZHEN TECHNOLOGY UNIVERSITY CHINA AND BYD SHENZHEN CHINA.

24 July 2024



# Q1 ARTICLE | WHAT STOPS US AND WHAT MOTIVATES US?

A scoping review and bibliometric analysis of barriers and facilitators to physical activity | Ageing Research Reviews

Physical inactivity is a major global health concern, contributing to the rising non-communicable disease burden. Elucidating barriers and facilitators influencing participation is critical to promoting activity. This study aimed to synthesize the literature and analyze the extent of research on determinants of physical activity engagement. Scoping review methodology guided the synthesis of 272 publications on factors influencing physical activity. Bibliometric analysis examined publication trends, productivity, influential studies, content themes, and collaboration networks. Results: Since 2010, the United States has led a significant increase in research output. Highly cited articles identified physiological limitations and psychosocial determinants as key barriers and facilitators. Extensive focus was seen in clinical medicine and exercise science journals. Analysis revealed predominant attention to psychosocial factors, physiological responses, and applications in respiratory disease. Gaps remain regarding policy and environmental factors. Conclusion: This review showed major advances in elucidating determinants while revealing the remaining needs to curb the pandemic of inactivity globally. Expanding international collaboration, contemporary theoretical models, and tailored mixed-methods approaches could promote progress through greater global participation. Addressing knowledge gaps across populations and disciplines should be a priority.

25th Anniversary UNIVERSITI TEKNOLOGI MARA

**RESEARCH NEWS**

2023 Journal impact factor 12.5

**What Stops Us and What Motivates Us? A Scoping Review and Bibliometric Analysis of Barriers and Facilitators to Physical Activity**

Azliyana Azizan <sup>\*,†</sup>, Nurul Hidayah Md Fadzil <sup>†</sup>

Ageing Research Reviews

**Corresponding Author:**

**Dr. Azliyana Azizan**  
[azliyana9338@uitm.edu.my](mailto:azliyana9338@uitm.edu.my)  
 Centre of Physiotherapy, Faculty of Health Sciences, Universiti Teknologi MARA, Puncak Alam, 42300 Selangor, Clinical and Rehabilitation Exercise Research Group, Faculty of Health Sciences, Universiti Teknologi MARA, Puncak Alam, 42300 Selangor

UTiM لہذا بروی ملایا #AVISABLE | Pemangkin Idea

25th Anniversary UNIVERSITI TEKNOLOGI MARA

**RESEARCH NEWS**

2023 Journal impact factor 12.5

**What Stops Us and What Motivates Us? A Scoping Review and Bibliometric Analysis of Barriers and Facilitators to Physical Activity**

Azliyana Azizan <sup>\*,†</sup>, Nurul Hidayah Md Fadzil <sup>†</sup>

Ageing Research Reviews

**Abstract**

Physical inactivity is a major global health concern, contributing to the rising non-communicable disease burden. Elucidating barriers and facilitators influencing participation is critical to promoting activity. This study aimed to synthesize the literature and analyze the extent of research on determinants of physical activity engagement.

Scoping review methodology guided the synthesis of 272 publications on factors influencing physical activity. Bibliometric analysis examined publication trends, productivity, influential studies, content themes, and collaboration networks. Results: Since 2010, the United States has led a significant increase in research output. Highly cited articles identified physiological limitations and psychosocial determinants as key barriers and facilitators. Extensive focus was seen in clinical medicine and exercise science journals. Analysis revealed predominant attention to psychosocial factors, physiological responses, and applications in respiratory disease. Gaps remain regarding policy and environmental factors. Conclusion: This review showed major advances in elucidating determinants while revealing the remaining needs to curb the pandemic of inactivity globally. Expanding international collaboration, contemporary theoretical models, and tailored mixed-methods approaches could promote progress through greater global participation. Addressing knowledge gaps across populations and disciplines should be a priority.

**Corresponding Author:**

**Dr. Azliyana Azizan**  
[azliyana9338@uitm.edu.my](mailto:azliyana9338@uitm.edu.my)  
 Centre of Physiotherapy, Faculty of Health Sciences, Universiti Teknologi MARA, Puncak Alam, 42300 Selangor, Clinical and Rehabilitation Exercise Research Group, Faculty of Health Sciences, Universiti Teknologi MARA, Puncak Alam, 42300 Selangor

UTiM لہذا بروی ملایا #AVISABLE | Pemangkin Idea



# PENYERTAAN STAF PEJABAT TNCPi YANG MEWAKILI KONTINJEN UiTM DALAM KARNIVAL SUKAN BADAN BERKANUN VIRTUAL EDITION (SUKANUNVE) 2024

22 - 25 July 2024

**SELAMAT MAJU JAYA**

LI SHURIKEN  
 AXELEN  
 CAPIKAPIT  
 BAZE SUZY  
 EDEN SHAH  
 JOYBOH  
 JAMES

Mohamad Rezduan Abd Rashid  
 Muhammad Aff Khaizuan  
 Muhamad Syafiq Muhammad  
 Zulhilm Shazhali  
 Mohd Aizuddin Borhan Shah  
 Mohammad Syafiq Shamshul  
 Muhammad Harith Ahmad Tarmizi

Kontinjen UiTM yang akan menyertai  
**Karnival Sukan Badan Berkanun Virtual Edition (SUKANUNVE) 2024**

**MOBILE LEGENDS**  
 BANG BANG

22 - 25 Julai 2024  
 ESPORT INTERGRATED, SPACERUBIX, PUCHONG

daripada  
 Timbalan Naib Canselor (Penyelidikan & Inovasi)  
 dan seluruh warga Pejabat TNCPi

UiTM **bevisible** | TNCPi UiTM | #bevisible | Pemangkin Idea

CONGRATULATIONS

# LAWATAN PENANDAARASAN PEJABAT TNC (P&I) UNIVERSITI TEKNOLOGI MARA KE PEJABAT TNC (P&I) UNIVERSITI TEKNOLOGI PETRONAS (UTP)

1 August 2024

Universiti Teknologi Petronas (UTP), Perak



## Lawatan Penandaarasan PTNCPI Universiti Teknologi MARA



لوسبدا بقرى مولىيا



TNCPI UITM

#bevisible

Pemangkin Idea



**25** TAHUN  UNIVERSITI TEKNOLOGI MARA

*Selinggi-tinggi*  
**TAHNNIAH**

**YBhg. Datuk Prof. Dr Azlinda binti Azman**  
Ketua Pengarah Pendidikan Tinggi  
Jabatan Pendidikan Tinggi

atas pengurniaan  
**Darjah Kebesaran Panglima Jasa Negara (P.J.N)**  
yang membawa gelaran Datuk

sempena  
Sambutan Ulang Tahun Hari Keputeraan  
Rasmi Kebawah Duli Yang Maha Mulia  
Seri Paduka Baginda Yang di-Pertuan  
Agong bagi Tahun 2024

ikhlas daripada  
Timbalan Naib Canselor  
(Penyelidikan & Inovasi) serta  
seluruh warga Jabatan Penyelidikan  
& Inovasi UTM



UTM اوتيم | اوتيم | JPI UTM | #bevisible | Pamangkin Idea

**25** TAHUN  UNIVERSITI TEKNOLOGI MARA

*Tahniah*

**YBrs. Prof. Ts. Sr. Dr. Md Yusof Hamid**

atas pelantikan sebagai  
**Timbalan Naib Canselor  
(Pembangunan)**

berkuat kuasa  
**12 Ogos 2024 (7 Safer 1446H)**

daripada  
Timbalan Naib Canselor (Penyelidikan & Inovasi)  
dan seluruh warga Jabatan Penyelidikan & Inovasi



UTM اوتيم | اوتيم | TNCP UTM | #bevisible | Pamangkin Idea

**25** TAHUN  UNIVERSITI TEKNOLOGI MARA

*Tahniah*

**Prof. Madya Ts. Ir. Dr. Mohd Najib Mohd Hussain**  
Kolej Pengajian Kajiuteraan, UTM Cawangan Pulau Pinang

terpilih mengikuti  
**Program Mobiliti  
Penyelidikan EMJ-APCO**

bermula 27 Julai - 9 Ogos 2024  
bertempat di APCO, Jordan

daripada  
Pejabat Timbalan Naib Canselor  
(Penyelidikan & Inovasi) dan  
seluruh warga Pejabat TNCP



UTM اوتيم | اوتيم | TNCP UTM | #bevisible | Pamangkin Idea

**25** TAHUN  UNIVERSITI TEKNOLOGI MARA

*Tahniah*

**Prof. Madya Ts Dr Shahrul Yani Said**

atas lantikan kepakaran sebagai  
**Konservator Berdaftar  
(Fizikal & Bukan Fizikal)  
daripada Jabatan Warisan  
Negara**

September 2024-2026

daripada  
Timbalan Naib Canselor  
(Penyelidikan & Inovasi) dan seluruh warga  
Jabatan Penyelidikan & Inovasi



UTM اوتيم | اوتيم | JPI UTM | #bevisible | Pamangkin Idea

**25** TAHUN  UNIVERSITI TEKNOLOGI MARA

*Tahniah*

**Ts Salifairus Mohammad Jafar**  
Institut Sains (IOS), UTM Shah Alam

di atas penganugerahan  
**Anugerah Pentadbir Harapan  
(Gangsa)**

sempena  
 **Sambutan Hari Pentadbir  
Universiti Awam Malaysia 2024**  
100th Anniversary Report (Bahasa)  
2023-2024 Ogos 2024

daripada  
Timbalan Naib Canselor (Penyelidikan & Inovasi)  
& seluruh warga Jabatan Penyelidikan & Inovasi



UTM اوتيم | اوتيم | TNCP UTM | #bevisible | Pamangkin Idea

CONGRATULATIONS




# Tahniah Penerima

## Anugerah Perkhidmatan Cemerlang (APC) Pejabat TNCPI Tahun 2023

 <b>Prof. Dr. Norhayati Mohamed</b> Timbalan Pengarah, ARI	 <b>Dr. Nurul Aqmar Mohd Nor Hazalin</b> Felo Penyelidik, iPROMISE	 <b>Norhasnida Mohamad</b> Penolong Pegawai Penyelidik Kanan, IBSD	 <b>Nur Syazwani Ahamad Azahari</b> Perangkawan Kanan/ Ketua UMS
 <b>Prof. Madya Dr. Nor Farizal Mohammed</b> Felo Tetap, ARI	 <b>Prof. Madya Ts. Dr. Saiful Iqwan Sulliman</b> Ketua Unit Data Penyelidikan dan Inovasi, RMC	 <b>Ts. Dr. Siti Zaliha Mohammad Noor</b> Felo Tetap, SRI	 <b>Prof. Madya Dr. Mohd Rizammy Shaharudin</b> Timbalan Pengarah (Logistics & Transportation) ReNeU
 <b>ChM. Dr. Che Puteh Osman</b> Felo Penyelidik, AuRIns	 <b>Noor Amiliza Samsudin</b> Kerani Kanan, BPSM	 <b>Prof. Madya Dr. Fazlena Hamzah</b> Timbalan Pengarah Pemindahan Teknologi & Pengkomersialan, BITCOM	 <b>Nurshuhada Mohder</b> Pegawai Eksekutif, RMC
 <b>Dr. Norshariza Mohamad Bhkari</b> Felo Penyelidik, IIESM	 <b>Shahfika Ezaliza Sulaiman</b> Kerani Kanan, Penerbit UTM	 <b>Prof. Madya Dr. Mohd Muzamir Mahat</b> Ketua UKPV	 <b>Muhammad Faez Mohammad</b> Kerani, RMC
 <b>Ts. Nur Farizan Tarudin</b> Felo Tetap, MITRANS	 <b>Rozanah Mat Noor</b> Kerani Kanan, Penerbit UTM	 <b>Prof. Dr. Nor Azura Mid Ghani @ Mamat</b> Pegawai RMC	 <b>Muhammad Harith Ahmad Tarmizi</b> Kerani, RMC
 <b>Prof. Madya Dr. Siti Nur Liyana Mamaud</b> Felo Tetap, IOS	 <b>Prof. Madya Dr. Zainiharyati Mohd Zain</b> Timbalan Pengarah (Energy & Environment) ReNeU	 <b>Mohd Naufal Hishamudin</b> Pembantu Operasi Kanan, BPSM	 <b>Mohd Noor Azlyy Abdullah</b> Pegawai Eksekutif, BITCOM
 <b>Prof. Madya Dr. Mohd Ali Bahari Abdul Kadir</b> Ketua Penunjang dan Kebolehpercayaan Peruncitan, IBE	 <b>Nurulakma Hairoman</b> Penolong Pendaftaran Kanan, ReNeU	 <b>Suhaila Hashim</b> Setiausaha Pejabat Kanan, BPSM	 <b>Fasihah Abdul Wahab</b> Pegawai Eksekutif, ReNeU

daripada  
Timbalan Naib Canselor (Penyelidikan & Inovasi)  
dan seluruh warga Pejabat TNCPI



TNCPI UTM
#bevisible
Pemangkin Idea

# ::: CONGRATULATIONS :::



25th Anniversary  
UNIVERSITI TEKNOLOGI MARA

**Salam Maal Hijrah**  
Selamat Menyambut Tahun Baharu Islam  
1 Muharam 1446H | 7 Julai 2024

AL-FALAH PEMACU MALAYSIA MADANI

daripada  
Timbalan Naib Canselor (Penyelidikan & Inovasi)  
dan seluruh warga Pejabat TNCPi

UIM | #UIM25 | #visible | #PamangkinIdea



25th Anniversary  
UNIVERSITI TEKNOLOGI MARA

**Selamat HARI LAHIR**

YBHG. PROF. DATUK DR. SHAHRIN SAHIB @ SAHIBUDDIN, FASc  
Naib Canselor UiTM

23 Julai 2024

"Semoga dipanjangkan usia dan sentiasa diberkati dalam limpah rahmat Allah SWT"

daripada  
Timbalan Naib Canselor (Penyelidikan & Inovasi) & seluruh warga Pejabat TNCPi

UIM | #UIM25 | #visible | #PamangkinIdea



25th Anniversary  
UNIVERSITI TEKNOLOGI MARA

**Selamat HARI LAHIR**

YBHG. PROF. DR. AZLINDA AZMAN  
AHLI Lembaga Pengarah Universiti

31 Julai 2024

"Semoga sentiasa dalam rahmat dan perlindungan Allah SWT"

daripada  
Timbalan Naib Canselor (Penyelidikan & Inovasi) & seluruh warga Pejabat TNCPi

UIM | #UIM25 | #visible | #PamangkinIdea



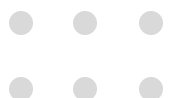
25th Anniversary  
UNIVERSITI TEKNOLOGI MARA

**Selamat Ulang Tahun UiTM ke-25**

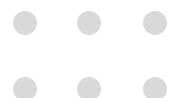
26 Ogos 2024

25 tahun UiTM sebagai sebuah Universiti

daripada  
Timbalan Naib Canselor (Penyelidikan & Inovasi) dan seluruh warga Jabatan Penyelidikan & Inovasi



# CELEBRATIONS



# OFFICIAL OPENING CEREMONY OF THE AI POPULARIZATION PROGRAM & INTERNATIONAL CONFERENCE ON INNOVATION AND ENTREPRENEURSHIP IN COMPUTING, ENGINEERING, AND SCIENCE EDUCATION (INVENT) 2024.

19 August 2024



19 Ogos 2024 - Majlis Perasmian Program Memasyarakatkan AI & Persidangan Antarabangsa Inovasi dan Keusahawanan dalam Pengkomputeran, Kejuruteraan dan Pendidikan Sains (InvENT) 2024 telah diadakan bertempat di Dewan Agung Tuanku Canselor (DATC), UiTM Shah Alam.

Antara pempamer reruai terdiri daripada Pusat Kecemerlangan UiTM seperti Institute for Big Data Analytics and Artificial Intelligence (IBDAAI), Institute of Pathology, Laboratory and Forensic Medicine (I-PPerForM), Solar Research Institute (SRI), dan Microwave Research Institute (MRI).



# UNIVERSITI TEKNOLOGI MARA (UiTM) SUCCEED IN OBTAINING TWO PRESTIGIOUS GRANTS DURING THE PETRONAS- ACADEMIA COLLABORATION DIALOGUE 2023 (PACD2023) AWARD CEREMONY

19 August 2024



On 19th August 2024, Universiti Teknologi MARA (UiTM) succeed in obtaining two prestigious grants during the Petronas-Academia Collaboration Dialogue 2023 (PACD2023) Award Ceremony, held at the Kuala Lumpur Convention Centre. The awards were presented by Datuk Ir. Bacho Piong, Senior Vice President of Malaysia Petroleum Management (MPM), PETRONAS, to Associate Prof. Datin Dr. Norazida Mohamed, Assistant Vice-Chancellor (International) of UiTM. The projects are led by Assoc. Prof. Dr. Muhamad Kamil Yaakob (Graphene enhanced flexible hybrid piezoelectric-solar cells: An integrated development using density functional theory (DFT) + experimental approaches) and Assoc. Prof. Ir. Ts. Dr. Syed Abdul Mutalib Al Junid Syed Abdul Rahman (Self-sustaining energy storage system for wellhead, satellite, and remote oil rig platform application).

**TIMBALAN NAIB  
CANSELOR  
(PENYELIDIKAN &  
INOVASI) UiTM,  
YBRS. PROF. TS. DR  
NORAZAH ABD  
RAHMAN TELAH  
MENERIMA  
KUNJUNGAN  
HORMAT DARIPADA  
ARSYAD AYUB  
GRADUATE  
BUSINESS SCHOOL  
(AAGBS)**

5 September 2024

Timbalan Naib Canselor (Penyelidikan & Inovasi) UiTM, YBrs. Prof. Ts. Dr Norazah Abd Rahman telah menerima kunjungan hormat daripada Arsyad Ayub Graduate Business School (AAGBS). Kunjungan hormat ini telah dipimpin oleh Dekan AAGBS iaitu YBrs. Prof. Dr Norzanah Mat Nor. Kehadiran AAGBS ke Jabatan Penyelidikan & Inovasi UiTM ini adalah bagi membincangkan beberapa agenda serta hala tuju Penyelidikan. Selain itu juga perbincangan mengenai Persidangan The 4th AAGBS International Conference on Business Management 2024 (AICOBM 2024) turut diadakan.








# Congratulations

## TOP UiTM Q1 AUTHORS 2024

(Q1 WoS - indexed articles as corresponding authors)  
Data from 1<sup>st</sup> January - 30<sup>th</sup> June 2024

<ul style="list-style-type: none"> <li>■ <b>Assoc. Prof. Ts Dr Ali H. Jawad Al-Taie</b> <small>Faculty of Applied Sciences, UiTM Shah Alam</small></li> <li>■ <b>Ts Dr Sikiru Surajudeen Oalekan</b> <small>Faculty of Applied Sciences, UiTM Shah Alam</small></li> <li>■ <b>Ir Dr Mohd Jumain Jalil</b> <small>College of Engineering, UiTM Johor Branch, Pasir Gudang Campus</small></li> <li>■ <b>Dr Lee Seng Hua</b> <small>Faculty of Applied Sciences, UiTM Pahang Branch, Jengka Campus</small></li> <li>■ <b>Dr Muhammad Amir Khan</b> <small>College of Computing, Informatics and Mathematics, UiTM Shah Alam</small></li> <li>■ <b>Assoc. Prof. Dr Azlan Ismail</b> <small>College of Computing, Informatics and Mathematics, UiTM Shah Alam</small></li> <li>■ <b>Dr Intan Salwani Mohamed</b> <small>Faculty of Accountancy, UiTM Shah Alam / Accounting Research Institute (ARI)</small></li> <li>■ <b>Prof. Dr Wong Tin Wui</b> <small>Faculty of Pharmacy, UiTM Selangor Branch, Sg. Buloh Campus / Smart Manufacturing Research Institute (SMRI)</small></li> <li>■ <b>Dr Nurhuda Ismail</b> <small>Faculty of Medicine, UiTM Selangor Branch, Sg. Buloh Campus</small></li> </ul>	<div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">7</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">4</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">3</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">3</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">3</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">2</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">2</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">2</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">2</div>	<ul style="list-style-type: none"> <li>■ <b>Prof. Dr Mohd Hafiz Mohd Hanafiah</b> <small>Faculty of Hotel and Tourism Management, UiTM Selangor Branch, Puncak Alam Campus / Institute for Biodiversity and Sustainable Development (IBSD)</small></li> <li>■ <b>Assoc. Prof. Dr Robin Chang Yee Hui</b> <small>Faculty of Applied Sciences, UiTM Sarawak Branch, Samarahan Campus</small></li> <li>■ <b>Prof. Dr Shahriman Zainal Abidin</b> <small>College of Creative Arts, UiTM Shah Alam</small></li> <li>■ <b>Prof. Ir Dr Ahmad Sabirin Zoolfakar</b> <small>College of Engineering, UiTM Shah Alam</small></li> <li>■ <b>Assoc. Prof. Dr Norashikin Yusof</b> <small>Faculty of Dentistry, UiTM Selangor Branch, Sg. Buloh Campus</small></li> <li>■ <b>Dr Mohd Azrai Azman</b> <small>College of Built Environment, UiTM Shah Alam</small></li> <li>■ <b>Ts Dr Azlinda Saadon</b> <small>College of Engineering, UiTM Shah Alam</small></li> <li>■ <b>Assoc. Prof. Dr Rosdiyana Hasham @ Hisam</b> <small>Faculty of Applied Sciences, UiTM Shah Alam</small></li> </ul>	<div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">1</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">1</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">1</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">1</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">1</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">1</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">1</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">1</div>
--	--	--	---

Source: Research Data & Innovation Unit, RMC


|

|
JPI UiTM
|
#bevisible
|
Pemangkin Idea




# Congratulations

## TOP UiTM Q2 AUTHORS 2024

(Q2 WoS - indexed articles as corresponding authors)  
Data from 1<sup>st</sup> January - 30<sup>th</sup> June 2024

<ul style="list-style-type: none"> <li>■ <b>Assoc. Prof. Ts Dr Ali H. Jawad Al-Taie</b> <small>Faculty of Applied Sciences, UiTM Shah Alam</small></li> <li>■ <b>Prof. Dr Mohd Hafiz Mohd Hanafiah</b> <small>Faculty of Hotel and Tourism Management, UiTM Selangor Branch, Puncak Alam Campus / Institute for Biodiversity and Sustainable Development (IBSD)</small></li> <li>■ <b>Ir Dr Mohd Jumain Jalil</b> <small>College of Engineering, UiTM Johor Branch, Pasir Gudang Campus</small></li> <li>■ <b>Assoc. Prof. Dr Robin Chang Yee Hui</b> <small>Faculty of Applied Sciences, UiTM Sarawak Branch, Samarahan Campus</small></li> <li>■ <b>Prof. Dr Anis Safura Ramli</b> <small>Faculty of Medicine, UiTM Selangor Branch, Sg. Buloh Campus</small></li> <li>■ <b>Assoc. Prof. Dr Azlan Ismail</b> <small>College of Computing, Informatics and Mathematics, UiTM Shah Alam</small></li> <li>■ <b>Prof. Dr Shahriman Zainal Abidin</b> <small>College of Creative Arts, UiTM Shah Alam</small></li> <li>■ <b>Assoc. Prof. Dr 'Ismah Osman</b> <small>Faculty of Business and Management, UiTM Selangor Branch, Puncak Alam Campus</small></li> <li>■ <b>Assoc. Prof. Ir Dr Ismacahyadi Bagus Mohamed Jais</b> <small>College of Engineering, UiTM Shah Alam</small></li> <li>■ <b>Assoc. Prof. Dr Budi Aslinie Md Sabri</b> <small>Faculty of Dentistry, UiTM Selangor Branch, Sg. Buloh Campus</small></li> </ul>	<div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">12</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">8</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">5</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">3</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">3</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">2</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">2</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">2</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">2</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">2</div>	<ul style="list-style-type: none"> <li>■ <b>Assoc. Prof. Dr Heo Chong Chin</b> <small>Faculty of Medicine, UiTM Selangor Branch, Sg. Buloh Campus</small></li> <li>■ <b>Assoc. Prof. Dr Mohd Muzamir Mahat</b> <small>Faculty of Applied Sciences, UiTM Shah Alam</small></li> <li>■ <b>Dr Leong Sook Sam</b> <small>Faculty of Health Sciences, UiTM Selangor Branch, Puncak Alam Campus</small></li> <li>■ <b>Ts Dr Sikiru Surajudeen Oalekan</b> <small>Faculty of Applied Sciences, UiTM Shah Alam</small></li> <li>■ <b>Dr Lee Seng Hua</b> <small>Faculty of Applied Sciences, UiTM Pahang Branch, Jengka Campus</small></li> <li>■ <b>Dr Muhammad Amir Khan</b> <small>College of Computing, Informatics and Mathematics, UiTM Shah Alam</small></li> <li>■ <b>Prof. Ir Dr Ahmad Sabirin Zoolfakar</b> <small>College of Engineering, UiTM Shah Alam</small></li> <li>■ <b>Assoc. Prof. Dr Norashikin Yusof</b> <small>Faculty of Dentistry, UiTM Selangor Branch, Sg. Buloh Campus</small></li> <li>■ <b>Dr Mohd Azrai Azman</b> <small>College of Built Environment, UiTM Shah Alam</small></li> <li>■ <b>Ts Dr Azlinda Saadon</b> <small>College of Engineering, UiTM Shah Alam</small></li> <li>■ <b>Assoc. Prof. Dr Rosdiyana Hasham @ Hisam</b> <small>Faculty of Applied Sciences, UiTM Shah Alam</small></li> </ul>	<div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">2</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">2</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">2</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">1</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">1</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">1</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">1</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">1</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">1</div> <div style="border: 1px solid white; padding: 2px; width: 20px; margin: 0 auto;">1</div>
--	--	--	---

Source: Research Data & Innovation Unit, RMC


|

|
JPI UiTM
|
#bevisible
|
Pemangkin Idea

::: CONGRATULATIONS :::

25th Anniversary

UNIVERSITI TEKNOLOGI MARA

*Congratulations*

**AJUE** | ASIAN JOURNAL OF UNIVERSITY EDUCATION

ISSN Print: 1823-7767  
ISSN Online: 2689-0144

**Asian Journal of University Education**  
for being ranked as **Q1 Journal** indexed by **Scopus**  
from **Department of Research & Innovation**

**CiteScore trend**

Year	CiteScore value	Percentile in category
2019	0.0	0
2020	1.2	20
2021	2.4	40
2022	3.6	60
2023	4.3	80

UiTM *di hantui* لوسها تقوى، موليا

JPI UiTM | #bevisible | Pemangkin Idea

## Q1 JOURNAL STATUS IN 2023 FOR ASIAN JOURNAL OF UNIVERSITY EDUCATION

6 September 2024

With a CiteScore of 4.3, the Asian Journal of University Education (AJUE) has attained the prestigious Q1 journal rank in 2023. AJUE was initially indexed as Q4 by Scopus in 2019, then after two years, it was upgraded to Q2, surpassing the Q3 level.

Between 2021 and 2022, the journal maintained a Q2 level of recognition. Alhamdulillah, the good news is that in 2023, they attained their highest recognition as a Q1 journal rank.

This remarkable accomplishment serves as a source of inspiration for all other UiTM journals. We extend our congratulations to all the Editorial Board Members of AJUE for your relentless and unquestionably exceptional efforts in achieving this level of success.

CONGRATULATIONS

# 7TH INTERNATIONAL CONFERENCE OF ECONOMICS, BUSINESS AND ENTREPRENEURSHIP (ICEBE) 2024

5 September 2024

Organised by Universitas Lampung in collaboration with Accounting Research Institute (ARI)



**25** th anniversary logo of **UNIVERSITI TEKNOLOGI MARA**

# Selamat Hari Pentadbir Universiti Awam Malaysia

20 Ogos 2024

**"Keterlihatan dan Keterampilan Bakat Pemangkin Kecemerlangan Pentadbir Universiti"**

daripada  
Timbalan Naib Canselor (Penyelidikan & Inovasi) & seluruh warga Jabatan Penyelidikan & Inovasi

UTM Malaysia | لہجہ انگریزی ملیا | #BeVisible | Pemangkin Idea

**25** th anniversary logo of **UNIVERSITI TEKNOLOGI MARA**

# Selamat Menyambut Hari Kebangsaan ke 67

31 Ogos 2024 (Sabtu)

**MALAYSIA MADANI**  
*Jaya Merdeka*

daripada  
Timbalan Naib Canselor (Penyelidikan & Inovasi) dan seluruh warga Jabatan Penyelidikan & Inovasi

UTM Malaysia | لہجہ انگریزی ملیا | #BeVisible | Pemangkin Idea

**25** th anniversary logo of **UNIVERSITI TEKNOLOGI MARA**

# Salam Maulidur Rasul

12 RABI'ULAWAL 1446H

**Al-Falah Pemacu Malaysia Madani**

اللَّهُمَّ صَلِّ عَلَى مُحَمَّدٍ وَعَلَى آلِ مُحَمَّدٍ

"Sesiala yang mengucapkan selawat kepadaku satu kali maka Allah akan berselawat baginya sepuluh kali, & digugurkan sepuluh kesalahan (dosanya), serta ditinggikan baginya sepuluh darjat (diseyurga keatas)"  
(An-Nasa'i no 1297, Ahmad, Sahih)

ikhlas daripada  
Timbalan Naib Canselor (Penyelidikan & Inovasi) serta seluruh warga Jabatan Penyelidikan & Inovasi UTM

UTM Malaysia | لہجہ انگریزی ملیا | #BeVisible | Pemangkin Idea

**25** th anniversary logo of **UNIVERSITI TEKNOLOGI MARA**

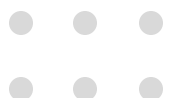
# SELAMAT MENYAMBUT HARI MALAYSIA

16 SEPTEMBER 2024

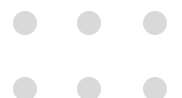
**MALAYSIA MADANI**  
*Jaya Merdeka*

ikhlas daripada  
Timbalan Naib Canselor (Penyelidikan & Inovasi) serta seluruh warga Jabatan Penyelidikan & Inovasi UTM

UTM Malaysia | لہجہ انگریزی ملیا | #BeVisible | Pemangkin Idea



# CELEBRATIONS





Syabas Malaysia Institute of Transport (MITRANS) UiTM dan juga pewangi Dr Azri Perfume yang telah terlibat dalam Pameran Halal Antarabangsa Malaysia (MIHAS) ke-20 yang berlangsung pada 17 sehingga 20 September ini di MITEC, Kuala Lumpur.

Pameran MIHAS ini telah dirasmikan sendiri oleh Perdana Menteri Malaysia YAB. Datuk Seri Anwar Ibrahim semalam. MIHAS adalah salah satu medan pameran perniagaan & pelaburan berasaskan Halal yang dianjurkan oleh Perbadanan Pembangunan Perdagangan Luar Malaysia (MATRADE). Pada tahun ini terdapat lebih kurang 1890 reruai pameran di dalam 9 dewan yang telah disediakan dan salah satu entiti kecemerlangan (CoE) UiTM iaitu "MITRANS" serta produk pewangi "Dr Azri Perfume" turut terlibat di dalam Pameran MIHAS kali ini.

17-20 September 2024

CONGRATULATIONS







**UiTM RESEARCHERS LISTED AMONG  
WORLD'S TOP 2% SCIENTIST  
(SINGLE YEAR ACHIEVEMENT)**

## Congratulations

### 10 UiTM RESEARCHERS

Listed among  
**WORLD'S TOP 2% SCIENTIST**  
(SINGLE YEAR ACHIEVEMENT)

By Elsevier BV, Stanford University  
Source: DOI: 10.17632/blchxkztzyw.4

### 6 UiTM RESEARCHERS

Listed among  
**WORLD'S TOP 2% SCIENTIST**  
(CAREER-LONG ACHIEVEMENT)

By Elsevier BV, Stanford University  
Source: DOI: 10.17632/blchxkztzyw.7

 **01**  
 **02**  
 **03**  
 **04**  
 **05**  
 **06**  
 **07**  
 **08**  
 **09**  
 **10**

**01** Assoc. Prof. Dr Ali H. Jawad Al-Tale  
Faculty of Applied Sciences, UiTM Shah Alam

**02** Assoc. Prof. Dr Damsayanthi A/P Duralajanayagam  
Faculty of Medicine, UiTM Selangor

**03** Prof. Dr Wong Tin Wui  
Faculty of Pharmacy, UiTM Selangor / Smart Manufacturing Research Institute (SMRI)

**04** Assoc. Prof. Dr Chang Siu Hua  
College of Engineering, UiTM Pulau Pinang

**05** Prof. Dr Fadzman Sufian @ Sofian  
Faculty of Business and Management, UiTM Melaka

**06** Dr Lee Seng Hua  
Faculty of Applied sciences, UiTM Pahang

**07** Prof. Dr Mohd Hafiz Mohd Hanafiah  
Faculty of Hotel & Tourism Management, UiTM Selangor

**08** Prof. Ir Dr Syed Shatir Asghrar Syed Hassan  
College of Engineering, UiTM Selangor

**09** Prof. Dr Kalavathy A/P Ramasamy  
Faculty of Pharmacy, UiTM Selangor

**10** Ts Dr Sikiru Surajudeen Olatokun  
Faculty of Applied sciences, UiTM Shah Alam

Source: 



اوبھائٹری مہلیا

JPI UiTM | #bevisible | Pemangkin Idea



اوبھائٹری مہلیا

JPI UiTM | #bevisible | Pemangkin Idea







**UiTM RESEARCHERS LISTED AMONG  
WORLD'S TOP 2% SCIENTIST  
(CAREER-LONG ACHIEVEMENT)**



**Assoc. Prof. Dr Ali H. Jawad Al-Tale**  
Faculty of Applied Sciences, UiTM Shah Alam



**Prof. Dr Wong Tin Wui**  
Faculty of Pharmacy, UiTM Selangor / Smart Manufacturing Research Institute (SMRI)



**Prof. Dr Fadzman Sufian @ Sofian**  
Faculty of Business & Management, UiTM Melaka



**Prof. Ts. Dr Mohamad Rusop Mahmood**  
College of Engineering, UiTM Shah Alam / Institute of Sciences (IOS)



**Prof. Emeritus Dato/ Dr Raymond Azman Ali**  
Faculty of Medicine, UiTM Selangor



**Prof. Dr Ahmed Mahmoud Ahmed Alafeefy**  
Faculty of Pharmacy, UiTM Selangor

Source: 



اوبھائٹری مہلیا

JPI UiTM | #bevisible | Pemangkin Idea



اوبھائٹری مہلیا

JPI UiTM | #bevisible | Pemangkin Idea

::: CONGRATULATIONS :::

# TOWNHALL INDEKS KESELAMATAN KEBANGSAAN (IKK)

27 September 2024



Townhall Indeks Keselamatan Kebangsaan (IKK) telah diadakan di Garden Ballroom, Aras 1, Hotel Marriot Putrajaya. Dalam townhall ini bersama Prof Yarina Ahmad, Pengarah IBSD dan YM Raja Dato' Nurshirwan Zainal Abidin, Ketua Pengarah Keselamatan Negara, Majlis Keselamatan Negara (MKN).





Dr. Nur Maizatul Idayu Othman dari Fakulti Perladangan dan Agroteknologi, Universiti Teknologi MARA (UiTM), telah terpilih dari penyertaan seluruh negara sebagai salah seorang daripada 15 wakil agensi awam dan swasta untuk membentangkan poster kepada YB Dato' Lukanisman Awang Sauni, Timbalan Menteri Kesihatan Malaysia, pada Persidangan National Environmental Health Action Plan (NEHAP) ke-10 yang berlangsung pada 26 September 2024.

Poster bertajuk 'Palm oil mill effluent (POME) and microbes as an organic fertilizer for sustainable agriculture and environment' ini menonjolkan penyelidikan inovatif mengenai penggunaan sisa kilang minyak sawit dan mikrob sebagai baja organik, yang mendapat perhatian sebagai langkah penting ke arah pertanian mampan dan kelestarian alam sekitar di Malaysia.

26 September 2024







**GRANT**  
**ACQUISITION**

July - September 2024

25th Anniversary UNIVERSITI TEKNOLOGI MARA

# Tahniah



**Prof. Dr. Yarina Ahmad**  
Pegawai Institut Biodiversiti dan Pembangunan Lestari (IBSD)

atas pelantikan sebagai  
**Penyelidik Utama**  
Kajian Pengukuran Indeks Keselamatan Sempadan Negara (IKSN) 2024 dan Pembangunan Sistem

sewa  
27 Jun 2024 - 26 Januari 2025

Jumlah Peruntukan : **RM 499,998.00**

daripada  
Pejabat Timbalan Naib Canselor (Penyelidikan & Inovasi) dan seluruh warga Pejabat TNCPi

UTM *idea* | *idea* | TNCPi UTM | #visible | Pemangkin Idea

25th Anniversary UNIVERSITI TEKNOLOGI MARA

# Tahniah



**ChM. Dr. Nazrizawati Ahmad Tajuddin**  
Fakulti Sains Gunaan, UTM Shah Alam

perantara geras  
**Dana Penyelidikan Padanan Antarabangsa (MYPAIR) - ISPF: Use of the ISIS Neutron and Muon Source, UK 2024**

taajik projek  
**Electronic and Structural Transformation of Hydrogen and Oxygen Atoms on Blochar/Pd@Layered Double Hydroxide (CoPd@LMD)-x(MII)x(OH)<sub>2</sub>(x=Al<sup>3+</sup>)<sub>n</sub> Interlayered Spacing**

Jumlah Peruntukan : **RM 152,000.00**

daripada  
Pejabat Timbalan Naib Canselor (Penyelidikan & Inovasi) dan seluruh warga Pejabat TNCPi

UTM *idea* | *idea* | TNCPi UTM | #visible | Pemangkin Idea

25th Anniversary UNIVERSITI TEKNOLOGI MARA

# Tahniah



perantara geras  
**UK-MALAYSIA GOING GLOBAL PARTNERSHIPS GRANT FOR STUDENT MOBILITY**

taajik projek  
**Building Sustainable Futures and Businesses Through Students: Future Leaders Cultural Exchange**

sewa  
8 Januari 2024 - 31 Mac 2025

Jumlah Peruntukan : **RM 178,023.05**

daripada  
Pejabat Timbalan Naib Canselor (Penyelidikan & Inovasi) dan seluruh warga Pejabat TNCPi

UTM *idea* | *idea* | TNCPi UTM | #visible | Pemangkin Idea

25th Anniversary UNIVERSITI TEKNOLOGI MARA

# Congratulations



the recipient of grant from  
**Kementerian Ekonomi Malaysia**

on the project entitled  
**ECONOMIC DEVELOPMENT AND FRAMEWORK OF SMALLHOLDER RICE FARMERS FOR SUSTAINABLE FOOD SECURITY IN NON- GRANARY AREAS IN MALAYSIA**

Amount received : **RM253,100.00**

Members  
Assoc. Prof. Ts. Dr. Abdul Rahman Saifi (Project Leader) Faculty of Plantation and Agrotechnology, UTM Sarawak Branch  
Prof. Dr. Zaidunissa Abdul Hayee Faculty of Applied Sciences, UTM Shah Alam  
Assoc. Prof. Dr. Syahida Nabila Azwa Ahmed Faculty of Business and Management, UTM Sabah Branch  
Assoc. Prof. Dr. Abdul Rahim Ridzuan Institute of Big Data Analytics and Artificial Intelligence, UTM Shah Alam  
Assoc. Prof. Ts. Dr. Haslinda Abdul Fatah Faculty of Plantation and Agrotechnology, UTM Melaka Branch  
Dr. Shahril Muzaffar Wan Yusoff Faculty of Plantation and Agrotechnology, UTM Sarawak Branch  
Zubaidah Yusop Faculty of Plantation and Agrotechnology, UTM Sarawak Branch

from  
Office of Deputy Vice-Chancellor (Research & Innovation)

UTM *idea* | *idea* | TNCPi UTM | #visible | Pemangkin Idea

# CONGRATULATIONS



## Congratulations



The recipients of  
**PETRONAS Academia Collaboration Dialogue (PACD)**  
Project entitled  
**Self-Sustaining Energy Storage System for Wellhead, Satellite and Remote Oil Rig Platform Application**  
Amount received : **RM2,051,676.00**

Members:  
Assoc. Prof. Ir. Ts. Dr. Syed Abdul Matallo Al-Jumaid Syed Abdul Rahman (convener),  
Assoc. Prof. Ts. Dr. Zubairi Mohamad, Assoc. Prof. Ts. Dr. Abdul Hani Abdul Razak,  
Assoc. Prof. Ir. Ts. Dr. Shahril Iwan Sulaiman, Assoc. Prof. Ts. Dr. Mohd Fadzil Md Idros,  
Ir. Ts. Dr. Zulkifli Othman, Ir. Abdul Karim Haimi & Farid Nazmie Osman  
College of Engineering, UTM Shah Alam

from  
Office of Deputy Vice-Chancellor (Research & Innovation)













## Congratulations



**Assoc. Prof. Ir. Dr. Noor Fitrah Abu Bakar**  
Deputy Director of Energy & Environment,  
Research Nexus UTM (ReNeU) / College of Engineering

Co Investigator(s):  
Ir. Ts. Mohamed Syazwan Osman, Dr. Mohamad Sufian So'aba,  
& Miss Nurfarwizah Hafiz

the recipients of  
**Travel Grant**  
**ISIS Neutron and Muon Source Facility**  
**UK 2024**  
project entitled  
**Effect of different molecular weights of chitosan stabilized iron oxide nanoparticles for seed germination under abiotic stress conditions**

from  
Office of Deputy Vice-Chancellor  
(Research & Innovation)














## Congratulations



the recipient of grant from  
**Agensi Antidadah Kebangsaan Malaysia (AADK)**  
on the project entitled  
**Kajian Keberkesanan Perkhidmatan AADK kepada Masyarakat**  
Amount received : **RM430,000.00**

Members:  
Assoc. Prof. Dr. Mahadi Ladisma @ Awis (Project Leader) Faculty of Administrative Science and Policy Studies, UTM Shah Alam  
Prof. Dr. Roshima Haji Said Faculty of Accountancy, UTM Kedah Branch  
Assoc. Prof. Datin Sri Dr. Neura Mohamed Sayuti Faculty of Business and Management, UTM Shah Alam  
Assoc. Prof. Dr. Sukeen Hana Herman College of Engineering, UTM Shah Alam  
Assoc. Prof. Dr. Noor Zahrah Mohd Sidek Faculty of Business and Management, UTM Kedah Branch  
Dr. Suhaimi Haji Abd Samad Faculty of Administrative Science and Policy Studies, UTM Negeri Sembilan Branch  
Dr. Shafiqah Fatimah Syed Mohd Fuzi Faculty of Administrative Science and Policy Studies, UTM Negeri Sembilan Branch  
Dr. Nurul Hidayana Mohd Noor Faculty of Administrative Science and Policy Studies, UTM Negeri Sembilan Branch  
Salmiwati Othman Registrar Office, UTM Shah Alam  
Nooraznan Kamardinithi Office of Industry, Community and Alumni Network (ICAN), UTM Shah Alam  
Norfarhana Fadila Mohd Zaki Academy of Language Studies (APS), UTM Shah Alam

from  
Office of Deputy Vice-Chancellor (Research & Innovation)













## Congratulations



the recipient of grant from  
**Kementerian Ekonomi Malaysia**  
on the project entitled  
**Kajian Kualiti Infrastruktur Digital Negara**  
Amount received : **RM436,065.00**

Members:  
Dr. Nor Azlira Ayob (Project Leader) Faculty of Administrative Science and Policy Studies, UTM Negeri Sembilan Branch  
Dr. Mohd Amar Aziz Faculty of Administrative Science and Policy Studies, UTM Pahang Branch  
Dr. Noor Hediidah Ayob Faculty of Human Sciences, Universiti Pendidikan Sultan Idris  
Dr. Irwan Suria Hamzah Faculty of Human Sciences, Universiti Pendidikan Sultan Idris  
Prof. Dr. Yarina Ahmad Institute for Sustainability and Corporate Development & Faculty of Administrative Science and Policy Studies, UTM Shah Alam  
Assoc. Prof. Dr. Hjh. Nur Suzawana Hj. Tahir Faculty of Administrative Science and Policy Studies, UTM Shah Alam  
Dr. Siti Zafiah Mustapha Faculty of Administrative Science and Policy Studies, UTM Malacca Branch  
Dr. Nur Amalina Aziz Faculty of Business and Management, UTM Johor Branch

from  
Office of Deputy Vice-Chancellor (Research & Innovation)











# CONGRATULATIONS




# Congratulations



the recipient of grant from  
**Kementerian Ekonomi Malaysia**

on the project entitled  
**Enhancing Research Instrument Management for Public Universities in Malaysia**

Amount received : **RM464,100.00**

Members:  
 Prof. Ts. Dr. Mohamed Rusop Mahmood (Project Leader) College of Engineering  
 Ts. Dr. Noor Asrida Ashi  
 Ts. Saifairus Mohammad Jafar  
 Assoc. Prof. Dr. Zuraida Khusaimi  
 Assoc. Prof. Ts. Dr. Mohd Firdaus Malek  
 Dr. Mohd Husaini Fauziah Suhaimi  
 Mr. Mohibah Musa  
 Mr. Mohd Azlan Jaafar  
 Mr. Muhammad Faizal Abd Halim  
Institute of Science (IOS)

from  
Office of Deputy Vice-Chancellor (Research & Innovation)




# Congratulations



The recipients of  
**PETRONAS Research Grant**

Project entitled  
**Virtual Power Plant (VPP) Technology**

Amount received : **RM1,132,164.00**

Members:  
 Prof. Ir. Dr. Nofri Yenni Dahlan (Project Leader)  
 Assoc. Prof. Dr. Zahara Mei Yasin Assoc. Prof. Dr. Amin Mohd Azmi  
 Assoc. Prof. Ir. Dr. Mohd Najib Mohd Hussain Ts. Dr. Siti Zalina Mohammad Noor  
 Ir. Dr. Nurhidayah Ahmad, Dr. Ghinar Siripornwantham Hader Indrie,  
 Ts. Mohd Fuzad Abdul Latip, Mr. Mohd Huseini Mohd Som,  
 Mr. Muhammad Azhar Shamli Abd Aziz & Mr. Langga Rimon  
Smart Research Institute (SRI) and College of Engineering

from  
Office of Deputy Vice-Chancellor (Research & Innovation)


 لوبها توری ملیها | 
 
 TNCP/UTM | #bevisible | Pemangkin Idea


 لوبها توری ملیها | 
 
 TNCP/UTM | #bevisible | Pemangkin Idea




# Congratulations



the recipient of grant from  
**Kementerian Ekonomi Malaysia**

on the project entitled  
**Kajian Indeks Komposit Pembangunan Malaysia**

Amount received : **RM294,000.00**

Members:  
 Prof. TPr. Dr. Jamalunaili Abdullah (Project Leader)  
Deputy Vice-Chancellor, Office of Research, Community and Alumni Network (RCAN)  
 College of Built Environment, UTM Selangor Branch  
 Prof. Sr. Ts. Dr. Abdul Hadi Nawawi  
College of Built Environment, UTM Shah Alam  
 Assoc. Prof. TPr. Dr. Mariyana Azyyati Marzuki  
College of Built Environment, UTM Selangor Branch  
 Dr. Muhammad Hakim Danial  
College of Built Environment, UTM Selangor Branch  
 TPr. Mohammad Yusup  
College of Built Environment, UTM Selangor Branch

from  
Office of Deputy Vice-Chancellor (Research & Innovation)




# Tahniah



perenerimaan grant  
**Perundingan/ Penyelidikan Kontrak Jabatan Perhutanan Negeri Perak**

taujuk projek  
**Kajian Penyediaan Pelan Pengurusan Taman Eko-Rimba Ulu Linc, Perak**

Jumlah Penentuan : **RM 198,690.30**

Anggota:  
 Prof. Ts. Dr. Mohd Nuzly Suratman  
(Ketua Projek) Fakulti Sains Gunaan/Institut Biodiversiti dan Pembangunan Lestari (IBSD), UTM Shah Alam  
 Dr. Fauziah Pireidi  
Fakulti Sains Gunaan/Institut Biodiversiti dan Pembangunan Lestari (IBSD), UTM Shah Alam  
 Dr. Nur Nadiah Rid Yusoff  
Fakulti Sains Gunaan/Institut Biodiversiti dan Pembangunan Lestari (IBSD), UTM Shah Alam  
 Dr. Zakaria Hasmim  
Isbang Pengurusan Taman & Asemit, Kolej Pengajian Alam Sina, UTM Shah Alam

ditandatangani  
Timbalan Naib Canselor (Penyelidikan & Inovasi) dan seluruh warga Jabatan Penyelidikan & Inovasi


 لوبها توری ملیها | 
 
 TNCP/UTM | #bevisible | Pemangkin Idea

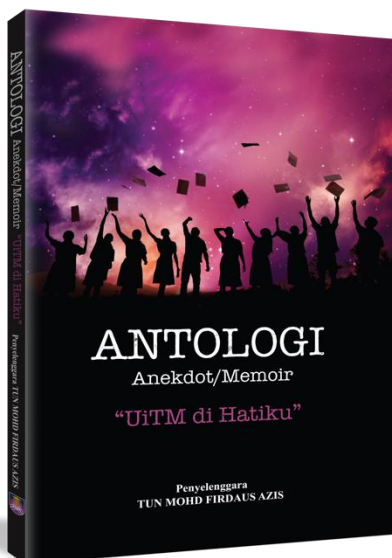

 لوبها توری ملیها | 
 
 TNCP/UTM | #bevisible | Pemangkin Idea

# CONGRATULATIONS

# EMBRACE THE FUTURE OF READING!



Dive into the latest breakthroughs!  
Explore our collection of published works.

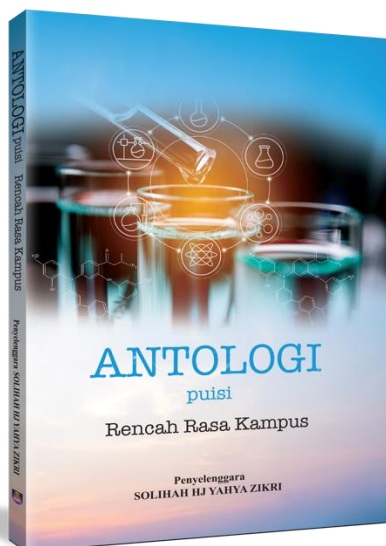


Menampilkan 55 karya anekdot/memoir garapan penulis-penulis kita. Hamparan 1001 bebenang cerita, yang disulam 1001 wama tawa, air mata dan dihiasi manik-manik harapan dan doa untuk kita warga UiTM. Inilah cerita dari kita, tentang kita untuk kita.

**Title** : Antologi Anekdote/Memoir "UiTM Di Hatiku"  
**E-ISBN** : 978-967-363-959-5  
**Price** : RM 37.00 (E-Buku)  
**Page** : 360 pages



MindAppz

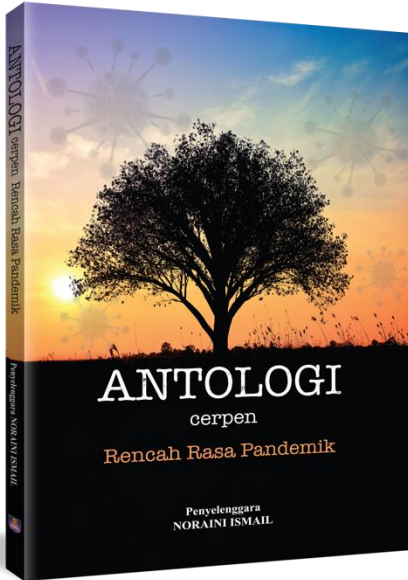


Menampilkan 80 karya hasil luahan penulis serata UiTM satu Malaysia untuk santapan pembaca semua. Ada yang manis lemak, ada yang tawar tetapi berbisa, ada yang masin tetapi mampu buat kita menguntum senyuman. Malah ada yang membuatkan kita diimbau kenangan. Sedangkan tempat jatuh lagi dikenang, apatah lagi tempat menuntut ilmu atau mencurahkan jasa.

**Title** : Antologi Puisi: Rencah Rasa Kampus  
**E-ISBN** : e 978-967-363-950-2  
**Price** : RM31.00 (E-Buku)  
**Page** : 124 halaman



MindAppz



Koleksi 20 karya nukilan warga UiTM yang membicarakan bingkisan rasa pandemik yang mereka hadapi. Setiap cerpen membawa nada berbeza. Imajinasi penulis pastinya berdasarkan pengalaman dan rasa dalaman yang mahu dikongsikan bersama pembaca.

**Title** : Antologi Cerpen: Rencah Rasa Pandemik

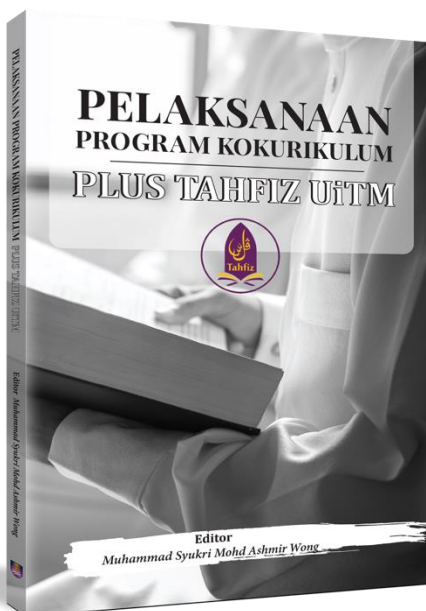
**E-ISBN** : e 978-967-363-949-6 (E-Buku)

**Price** : RM 34.00 (E-Buku)

**Page** : 158 halaman



MindAppz



Pendidikan tahfiz al-Quran semakin mendapat sambutan di pelbagai peringkat pendidikan. Sehubungan itu, Universiti Teknologi MARA (UiTM) menyambut baik aspirasi ini dengan membuka peluang kepada para huffaz yang melanjutkan pengajian di UiTM apabila memperkenalkan Program Plus Tahfiz UiTM dalam usaha untuk mempertahankan dan meningkatkan mutu hafazan al-Quran. Justeru, buku ini boleh dijadikan rujukan kepada pihak yang terlibat dalam pengurusan Program Plus Tahfiz UiTM dalam usaha untuk melancarkan operasi perlaksanaannya.

**Title** : Pelaksanaan Program Kokurikulum Plus Tahfiz UiTM

**E-ISBN** : e 978-629-496-044-2

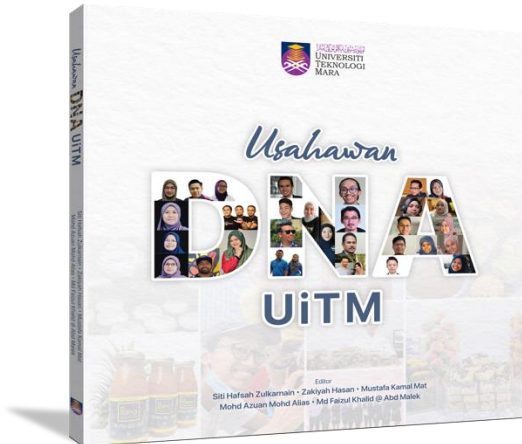
**Price** : RM 35.00 (E-Buku)

**Page** : 126 halaman



MindAppz

*Usahawan DNA UiTM* adalah himpunan kisah inspirasi kejayaan staf, alumni dan siswa Universiti Teknologi MARA (UiTM) yang terlibat dalam bidang keusahawanan. Perkongsian pengalaman bermula dari peringkat awal penglibatan dalam perniagaan sehingga mereka menjadi usahawan yang berjaya turut dikongsikan dalam buku ini. Bagi merealisasikan hasrat UiTM untuk menjadi Universiti Keusahawanan pada tahun 2025, pelbagai usaha telah dilaksanakan oleh Akademi Pembangunan PKS dan Keusahawanan Malaysia (MASMED) dalam mewujudkan ekosistem keusahawanan di dalam kampus dan seterusnya melahirkan lebih ramai Ikon Usahawan Universiti yang akan menjadi kebanggaan negara pada masa hadapan.



**Title** : Usahawan DNA UiTM  
**E-ISBN** : e 978-967-363-951-9  
**Price** : RM 52.00 (E-Buku)  
**Page** : 192 halaman



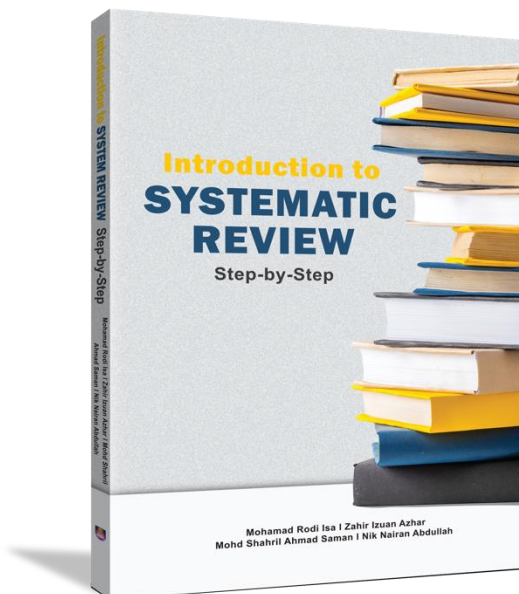
MindAppz

Nowadays, the number of studies published in the biomedical literature, mostly in medicine and health, has increased tremendously over the past few decades. There are too many trials, 25,000 biomedical journals in print, and 8,000 articles published per day. This massive abundance of literature makes clinical medicine increasingly complex, and knowledge from various researchers is often needed to formulate a particular clinical decision. However, all studies are often heterogeneous regarding their study design, operational quality, and subjects under study. Also, different ways of handling the research question and interpretation add to the complexity of evidence and conclusion synthesis, even with a well-designed study or data interpretation. Therefore, conducting a systematic review is the solution to answering a defined research question by collecting and summarising all empirical evidence that fits a pre-specified eligible criterion. Results from systematic reviews are the cornerstone for developing mostly clinical practice guidelines.

**Title** : Pelaksanaan Program Kokurikulum Plus Tahfiz UiTM  
**E-ISBN** : e 978-629-496-044-2  
**Price** : RM 35.00 (E-Buku)  
**Page** : 126 halaman



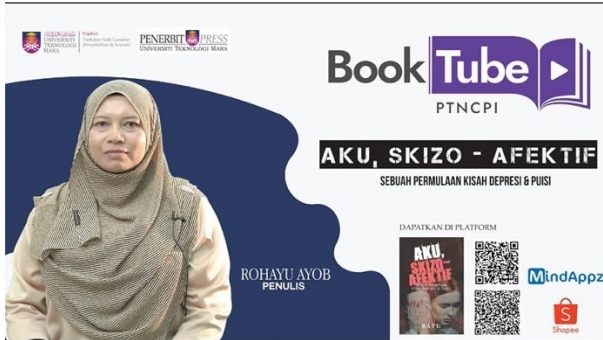
MindAppz





**RESEARCH**  
**@ MEDIA**

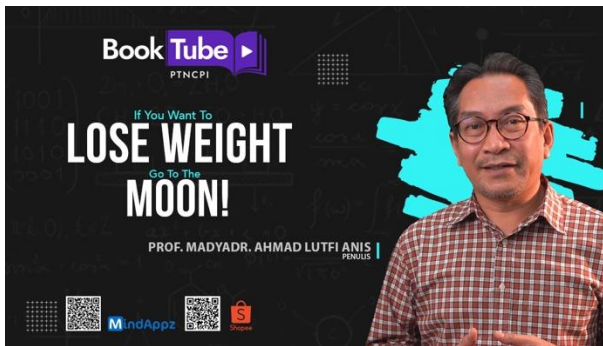




3 July 2024

**BookTube #1 - AKU SKIZO-AFEKTIF**

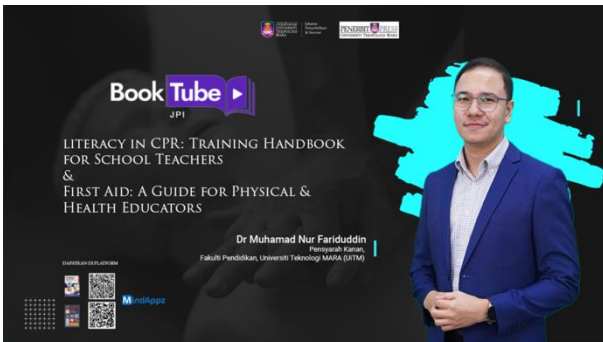
**Rohayu Ayob**  
Writer



7 August 2024

**Booktube #2 - IF YOU WANT TO LOSE WEIGHT, GO TO THE MOON**

**Prof. Madya Dr. Ahmad Lutfi Anis**  
Writer & Senior lecturer  
Faculty of Applied Sciences, UiTM Sarawak



20 September 2024

**Booktube #3**

**Dr Muhammad Nur Fariduddin Abdul Aziz**  
Writer & Research Coordinator, Senior Lecturer  
Department of Physical & Health Education, UiTM  
Puncak Alam

# Jimat kos elektrik hingga 50 peratus

Sektor industri di Malaysia disarangkan tenaga solar

Oleh **NURHIDAYAH HAIROM**  
**SHAH ALAM**

**S**udah tiba masanya sektor perindustrian di negara ini mengambil langkah serius dengan melabur dalam penggunaan tenaga solar yang mampu menjimatkan kos elektrik yang signifikan dalam jangka masa panjang, seterusnya sebagai langkah mengawal peningkatan harga barangan.

Pengarah Institut Penyelidikan Solar Universiti Teknologi MARA (UiTM),

Profesor Ir Dr Nofri Yenita Dahlan berkata, setelah kos pemasangan sistem solar diambil kira, industri boleh menikmati bil elektrik lebih rendah atau hampir sifar, yang seterusnya mengurangkan kos operasi secara menyeluruh.

Bagaimanapun katanya, pengurangan kos elektrik bergantung kepada beberapa faktor, termasuk saiz sistem tenaga solar, kadar penggunaan tenaga dan tarif elektrik yang dikenakan oleh syarikat utiliti kuasa.

"Industri yang menggunakan tenaga solar boleh jimat 20 hingga 50 peratus daripada bil elektrik mereka.

"Pengurangan kos elektrik ini boleh terhasil daripada penjimatan penggunaan tenaga elektrik dari grid, penjimatan kehendak maksimum caj ketika beban puncak, penjimatan daripada jualan tenaga solar

berlebihan ke grid melalui NEM (Net Energy Metering) kredit yang diperoleh di dalam bil dan penjimatan dari pengurangan tenaga daripada grid yang tidak dikenakan surcaj Pelembang Kos Tidak Berimbang (ICPT).

"Penggunaan tenaga solar boleh

digabungkan dengan sistem pengurusan tenaga pintar dan teknologi kecerdasan buatan (AI), yang membolehkan pemantauan dan pengawasan penggunaan tenaga boleh dilakukan secara *real-time* dan optimum. Ini boleh meningkatkan kecekapan tenaga dan mengurangkan pembaziran," katanya kepada *Sinar Harian* pada Isnin.

Pada masa sama, Nofri Yenita berkata, pihak industri juga wajar memanfaatkan pelbagai insentif dan program sokongan disediakan oleh kerajaan yang boleh membantu mengurangkan kos pemasangan awal, mengurangkan bil elektrik dan mempercepatkan pulangan pelaburan.

Jelas beliau, dengan teknologi tenaga solar yang semakin efisien dan kos pemasangan semakin rendah, pulangan pelaburan dapat dicapai dalam masa beberapa tahun bergantung kepada sejauh mana industri tersebut dapat menghasilkan tenaga solar dan penggunaannya secara langsung.

"Kos pemasangan sistem tenaga solar boleh berbeza-beza bergantung kepada beberapa faktor, termasuk skala sistem, jenis teknologi panel solar dan

sistem yang digunakan selain lokasi pemasangan.

"Untuk sistem tenaga solar berskala komersial dan industri, kos purata pemasangan adalah antara RM 3,000 hingga RM 5,000 per kWp (*kilowatt peak*). Sistem yang lebih besar biasanya mempunyai kos per kWp yang lebih rendah," katanya.

Tambah beliau, pelaburan dalam tenaga solar bukan sahaja mengurangkan kos operasi tetapi juga meningkatkan daya saing dan kelestarian industri.

"Ini bukan sahaja mengurangkan jejak karbon tetapi juga meningkatkan imej syarikat di mata pelanggan dan pelabur yang semakin prihatin terhadap isu-isu alam sekitar.

"Dengan sokongan kerajaan dan teknologi pintar yang ada, industri di Malaysia mempunyai peluang besar untuk memanfaatkan tenaga solar sebagai sumber tenaga utama mereka," katanya.

Muka depan *Sinar Harian* pada Isnin melaporkan peniaga dan pengilang berkemungkinan tidak mampu untuk menurunkan harga barangan semata-mata disebabkan oleh penurunan tarif elektrik kerana masih menanggung banyak perbelanjaan lain dan kos bahan mentah yang tinggi.



**NOFRI YENITA**

## INFO INSENTIF DAN PROGRAM SOKONGAN PEMASANGAN SISTEM SOLAR:

- **Net Energy Metering (NEM) Skim:** Konsep NEM ialah tenaga yang dihasilkan dari pemasangan solar PV akan digunakan dahulu oleh pengguna elektrik, dan lebih akan dijual kepada syarikat utiliti kuasa dan dikreditkan di dalam bil.
- **Pembiayaan hijau:** Pinjaman berfaedah rendah atau jaminan pinjaman melalui bank milik kerajaan atau skim pembiayaan hijau seperti *Green Technology Financing Scheme (GTFS)*.
- **Insentif cukai:** Terdapat insentif cukai untuk pemasangan sistem tenaga solar, yang boleh mengurangkan kos pemasangan keseluruhan.

Ia susulan pengumuman bahawa tarif elektrik komersial dan industri mengalami penurunan kadar surcaj sebanyak 1 sen per kilowatt sejam (kWj) bermula 1 Julai sehingga 31 Disember ini.



Laporan muka depan *Sinar Harian*.

## JIMAT KOS ELEKTRIK HINGGA 50 PERATUS

2 July 2024 | Sinar Harian

# SHELVE PROPOSED PLAN FOR ELECTRIC VEHICLE FREE PARKING

10 July 2024 | Sinar Harian

## 'Shelve proposed plan for electric vehicle free parking'

➤ Implementation could be seen as benefitting wealthier individuals rather than addressing economic concerns of lower-income groups, say experts

■ BY **QIRANA NABILLA MOHD RASHIDI**  
newsdesk@thesundaily.com

**PETALING JAYA:** Given the current inflationary pressures, now is not the time to implement the proposed free parking policy for electric vehicles (EV), said experts.

Universiti Teknologi Mara Malaysian Institute of Transport head of legal and quality Dr Siti Ayu Jalil said although the Transport Ministry had announced reducing EV road tax by 85%, and introducing special plates for easy identification, the majority of Malaysians cannot afford such vehicles for now.

"Statistics collected between January 2022 and April 2024 on registered cars based on fuel type in Malaysia shows that 88% use petrol, 7.4% green diesel and 2.5% were hybrids, while only 1.2% were registered as EV.

"Thus, the immediate and potential economic benefits of this policy for local governments or the broader economy is unclear, unless a more attractive and effective way is found to encourage Malaysians to buy EV," she said.

On Friday, the government said it was considering waiving parking fees for EV under local authority control to encourage more people to purchase such vehicles.

Housing and Local Government Minister Nga Kor Ming said his ministry was discussing it with local councils to assess the feasibility of the proposal.

Siti Ayu said if the potential economic benefits lie in reducing carbon emissions in the long term, implementing the policy may not be effective unless EV become affordable for the majority.

Additionally, she said the sale of EV must also consider charging infrastructure to build buyer confidence.

"It is important to note that charging EV is not free, and prices vary depending on location, type of charger and the service provider.



Siti Ayu said the benefit of the proposal will primarily be to the 1.2% who own EV, most of whom are in the T20 income group. – **AMIRUL SYAFIQ/THESUN**

"Even in France, where the installation of fast chargers along highways has been accelerated, there is still much to be done, particularly regarding price transparency."

Siti Ayu said neither the B40 nor M40 groups are likely to be impacted by the policy, as their primary concern is the high cost of living, especially in urban areas.

"People are still grappling with the 56% increase in diesel prices, yet the government is pursuing a policy that doesn't benefit the public. The benefit will primarily be to the 1.2% who own EV, most of whom are in the T20 income group.

"In my perspective, equity is not an issue as long as parking fees for non-EV cars are maintained."

However, Siti Ayu said if the government adopts a practice similar to London, where non-EV cars have to pay RM90 per entry into the city, the public might argue that the government is favouring the wealthy while making the poor worse off.

Universiti Teknologi Malaysia Automotive Development Centre director Dr Mohd Azman Abas said providing free parking for EV alone will not encourage EV adoption in the country.

"Designating parking spaces exclusively for

EV without affecting parking availability for non-EV can be challenging, especially in areas with limited parking."

Mohd Azman said this could spark resistance from non-EV users who may perceive it as inconvenient, potentially leading to misuse of such free spaces or causing illegal roadside parking.

"Local councils may encounter challenges such as reduced revenue and increased expenses due to infrastructure development for designated EV parking spaces, charging stations and the associated costs of monitoring and enforcement."

However, he said for now, such implementation could be seen as benefitting wealthier individuals who can afford EV rather than addressing the more critical economic concerns of the lower-income groups.

"Resources should focus on accelerating the charging network with more rapid chargers, ensuring infrastructure reliability, or improving charger installation regulations.

"These measures are essential to effectively support the EV transition by addressing the practical needs and concerns of potential EV users, making EV adoption more appealing," he said.

# UiTM TERIMA PERISIAN SIMULASI PEMBUATAN LOGAM PINTAR KOREA SERTA GERAN INDUSTRI ANTARABANGSA

10 July 2024 | Dagang News

Universiti Teknologi MARA (UiTM) menerima perisian simulasi pembuatan logam AFDEX (Advisor for Metal Forming process Design Experts) daripada MFRC (Metal Forming Research Corporation) Korea, sebuah syarikat perkhidmatan simulasi pembentukan logam terkemuka di Korea dan Geran Industri Antarabangsa MFRC.

Universiti itu merupakan merupakan universiti penerima pertama di Malaysia. Perisian itu akan digunakan di Institut Penyelidikan Pembuatan Pintar, Sekolah Kejuruteraan Mekanikal UiTM serta untuk penyelidikan dan kerjasama industri.

Perisian itu telah mencatat kejayaan dalam industri logam di pelbagai negara seperti Korea, Jerman, Jepun, China, Thailand, Indonesia, India dan Turki, menurut kenyataan media UiTM hari ini. Terutamanya dalam mengurangkan masa pemprosesan, kos dan pengoptimuman aliran logam, inovasi pintar serta proses penempaan yang inovatif.

Menurut Presiden MFRC, Profesor Mansoo Joun, mengumumkan derma dan geran industri antarabangsa telah dianugerahkan kepada ketua program dan Felo SMRI UiTM, Prof. Madya Dr. Noor Azlina Mohd. Salleh.

Pengiktirafan itu hasil daripada program latihan industri tahunan, kerjasama penyelidikan, dan inisiatif mobiliti seperti program musim panas dan persidangan yang telah berlangsung sejak 2016



Oleh Syaza Norazharuddin  
[editor@dagangnews.com](mailto:editor@dagangnews.com)

**KUALA LUMPUR 10 Julai** - Universiti Teknologi Mara (UiTM) menerima perisian simulasi pembuatan logam AFDEX (Advisor for Metal Forming process Design Experts) daripada MFRC (Metal Forming Research Corporation) Korea, sebuah syarikat perkhidmatan simulasi pembentukan logam terkemuka di Korea dan Geran Industri Antarabangsa MFRC.

Universiti itu merupakan merupakan universiti penerima pertama di Malaysia.

Perisian itu akan digunakan di Institut Penyelidikan Pembuatan Pintar, Sekolah Kejuruteraan Mekanikal UiTM serta untuk penyelidikan dan kerjasama industri.

Perisian itu telah mencatat kejayaan dalam industri logam di pelbagai negara seperti Korea, Jerman, Jepun, China, Thailand, Indonesia, India dan Turki, menurut kenyataan media UiTM hari ini.

Terutamanya dalam mengurangkan masa pemprosesan, kos dan pengoptimuman aliran logam, inovasi pintar serta proses penempaan yang inovatif.

Menurut Presiden MFRC, Profesor Mansoo Joun, mengumumkan derma dan geran industri antarabangsa telah dianugerahkan kepada ketua program dan Felo SMRI UiTM, Prof. Madya Dr. Noor Azlina Mohd. Salleh.

Pengiktirafan itu hasil daripada program latihan industri tahunan, kerjasama penyelidikan, dan inisiatif mobiliti seperti program musim panas dan persidangan yang telah berlangsung sejak 2016.

Sementara itu, penghargaan juga diberikan kepada Dr. Mohd Kaswandee, ahli MFRC dan alumni UiTM sempena mengekalkan hubungan rapat dengan UiTM dan SMRI.

**25** **UNIVERSITI TEKNOLOGI MARA**

**Ufm** *Info Menghidupkan*

**Temubual RADIO UFM**  
Penyelidikan & Inovasi

**“Komunikasi Optik dalam Kehidupan”**

**16 Julai 2024 (Selasa) | 11.00 Pagi**

**Ir. Dr. Nani Fadzlina Naim**  
Kolej Pengajian Kejuruteraan  
UITM Shah Alam

Playden audio online: [radioutm.uitm.edu.my/utfmive](http://radioutm.uitm.edu.my/utfmive)  
Frekuensi 93.6 MHz (Kampus Shah Alam)

Ufm *Info Menghidupkan*

UTM | #UTMUTM | #liveable | #PamangkinIdea

## Sesi Temu bual Penyelidik UiTM

16 July 2024

IR DR NANI FADZLINA NAIM

COLLEGE OF ENGINEERING, UITM SHAH ALAM

**Ufm** *Tanpa Sela-Anta*

**MEMADANI PENYELIDIKAN UNIVERSITI KE MASYARAKAT**

**PROFESOR Ir. DR. AHMAD SABIRIN ZOLFAKAR**  
PENGARAH  
BUSINESS INNOVATION & TECHNOLOGY  
COMMERCIALIZATION CENTRE, UITM  
(BITCOM)

**DR. MOHD ADZMAN OMAR**  
PENYELIDIK DAN PENYARAH  
UNIVERSITI TEKNOLOGI MARA (UITM)

**ISNIN | 5 OGOS 2024**  
9:10 PAGI

**4spm** *Redi Sati Pagi*  
11.10.2024

**tv1** **BERITA** **MYTV**  
Innovability SALURAN 101

## Selamat Pagi Malaysia

5 August 2024

PROF. IR. DR. AHMAD SABIRIN ZOLFAKAR

DIRECTOR OF BUSINESS INNOVATION & TECHNOLOGY COMMERCIALIZATION CENTRE

DR. MOHD ADZMAN OMAR

RESEARCHER & LECTURER OF UNIVERSITI TEKNOLOGI MARA (UITM)

**25** **UNIVERSITI TEKNOLOGI MARA**

**Ufm** *Info Menghidupkan*

**Temubual RADIO UFM**  
Penyelidikan & Inovasi

**“Kegagalan Mengawal Air Kencing: Pencegahan dan Rawatan”**

**13 Ogos 2024 (Selasa) | 11.00 Pagi**

**Prof. Madya Dr. Bahiyah Abdullah**  
Fakulti Perubatan, UITM Cawangan Selangor  
Kampus Sungai Buloh

Playden audio online: [radioutm.uitm.edu.my/utfmive](http://radioutm.uitm.edu.my/utfmive)  
Frekuensi 93.6 MHz (Kampus Shah Alam)

Ufm *Info Menghidupkan*

UTM | #UTMUTM | #liveable | #PamangkinIdea

## Sesi Temu bual Penyelidik UiTM

13 August 2024

PROF. MADYA DR BAHYAH ABDULLAH

FACULTY OF MEDICINE, UITM SELANGOR BRANCH, CAMPUS SUNGAI BULOH



## Selamat Pagi Malaysia

8 SEPTEMBER 2024

**SR. MOHD HANAFI MOGHNI**

DEPUTY DIRECTOR (BUILDING SURVEY) AT UITM FACILITIES MANAGEMENT OFFICE DI UITM

**TS. MOHD RAFIZI RAHMAD**

DIRECTOR OF THE STRATEGIC AND HUMAN RESOURCES, DEPARTMENT OF RESEARCH & INNOVATION (JPI)



## Sesi Temu bual Penyelidik UiTM

25 SEPTEMBER 2024

**PROFESOR MADYA TS. DR KHOR GOOT HEAH**

FACULTY OF DENTISTRY, UITM SELANGOR BRANCH, SUNGAI BULOH CAMPUS.

# Invention to prevent death of children left in vehicles

➤ Road safety research institute developing system to detect presence of child when engine switched off

BY SIVANISVARRY MORHAN  
newsdesk@thesundaily.com

**KUALA LUMPUR:** Incidents of children being left unattended in cars, often resulting in fatal outcomes, have drawn national concern and highlighted the need for effective preventive measures.

In the most recent case on Feb 1, a five-year-old girl died after being found unconscious in her mother's car at the Shah Alam Hospital parking area, where she had been left for four hours.

In October last year, an eight-month-old infant was found dead after she was left in her mother's car for almost 10 hours at a hospital parking area in Cheras.

In a third case the same month, a 16-month-old toddler died after being found unconscious in a car at a public university in Kuala Nerus, Terengganu.

To curb the issue, the Malaysian Institute of Road Safety Research (Miros) has developed a prototype of the Children in Vehicle Tracking and Alerting System (MyCINTA) to prevent such tragedies.

Its project leader Mohd Khairul Alhazim Ibrahim said: "The causes of children left behind in vehicles are complex and influenced by human factors. Therefore, the system uses motion and sound sensors to detect a child's presence when the engine is switched off."

"This alerts the driver and emergency contacts via phone call and message, which includes the vehicle's coordinates linked to Google Maps. MyCINTA also initiates emergency measures by lowering the vehicle windows for air circulation, activating hazard lights and sounding the horn to attract attention."

Additionally, he said it displays text-based warnings like "Danger" or "Help" on the windscreen using a dot matrix LED module.

"Laboratory tests confirm the system's high operational consistency, effective location tracking, and rapid response, lowering windows within 45 seconds and fully activating within three minutes. The system has been evaluated and has demonstrated its functionality in real-world conditions, which shows strong market potential," he said.



Yarina said government incentives or regulations could encourage the installation of child safety alert systems by providing subsidies, tax relief or making it mandatory for certain categories of vehicles. — AMIRUL SYAFIQ/THESUN

Mohd Khairul said Miros is seeking industry support to help advance the system. Its plans for 2024 and 2025 are to increase MyCINTA's capabilities in terms of hardware and programming.

Universiti Teknologi Mara social and policy studies Prof Dr Yarina Ahmad said the system has the potential to be highly effective in preventing similar incidents.

"To evaluate its effectiveness over time, we need to monitor the metrics such as a reduction in reported cases of forgotten children in cars, user satisfaction ratings, the response time of alerts, and the system's false positive and negative rates."

As the system's design is refined, Yarina expects that it would prevent further tragedies and ensure the safety of children in vehicles across the country.

While the system has to be installed by car manufacturers, Yarina said integrating it into new car models during production would ensure it works seamlessly with the vehicle's existing safety and electronic systems.

"An after-market approach would require the system to be easily installed and compatible with various car models to encourage widespread adoption."

Yarina said car dealerships and service centres could also offer the system as an optional add-on for customers, providing a convenient way for vehicle owners to upgrade their rides with the latest safety technology.

As automotive technology moves towards greater automation and connectivity, Yarina said systems like MyCINTA should be integrated with in-car artificial intelligence assistants, advanced driver-assistance systems, and smart city infrastructure to create a holistic safety environment.

"These technologies have the potential to transform not just child safety in cars but also overall vehicle safety standards, reducing accidents and improving emergency response systems."

Yarina said government incentives or regulations could encourage the installation of child safety alert systems by providing subsidies, tax relief, or making it a legal requirement in certain categories of vehicles to instal the system.

"Ensuring standardisation, affordability, user-friendliness and regulatory compliance will be crucial to achieving its widespread adoption."

## INVENTION TO PREVENT DEATH OF CHILDREN LEFT IN VEHICLE

11 July 2024 | The Sun, Malaysia



Pelajar tahun akhir Sarjana Muda Reka Bentuk Grafik, UiTM Kampus Puncak Alam menunjukkan sentuhan kreatif pada Pameran Jelma by Bold 2024 di Kuala Lumpur, baru-baru ini. Foto UiTM Puncak Alam

## Jelma by Bold pameran cetusan idea kreatif pelajar UiTM Puncak Alam

By TVS #bm, Malaysia, Pendidikan July 29, 2024 1:34 PM



KUALA LUMPUR, 29 Julai: Penyelidikan akademik serta inovasi yang dilakukan oleh pelajar tahun akhir bukan sahaja melengkapkan silibus akademik, tetapi juga berfungsi sebagai langkah kreatif untuk menyelesaikan masalah.

Timbalan Naib Canselor (Penyelidikan dan Inovasi) UiTM, Profesor Dr Norazah Abdul Rahman berkata cetusan idea yang kreatif dan inovatif mampu melonjakkan pencapaian industri kreatif ke tahap yang lebih cemerlang, terutama dalam mendepani pembangunan ekonomi digital.

"Penganjuran pameran ini (Jelma by Bold) memberikan makna yang mendalam kepada karya kreatif dan inovatif yang dipamerkan secara kerjasama antara pelajar, pensyarah dan industri," katanya pada majlis perasmian pameran Jelma by Bold 2024 di sini, baru-baru ini.

Jelma by Bold 2024, pameran yang menampilkan karya 118 pelajar semester akhir program Sarjana Muda Reka Bentuk Grafik di UiTM Kampus Puncak Alam.

# JELMA BY BOLD PAMER CETUSAN IDEA KREATIF PELAJAR UiTM PUNCAK ALAM

29 July 2024 | TV Sarawak

Penyelidikan akademik serta inovasi yang dilakukan oleh pelajar tahun akhir bukan sahaja melengkapkan silibus akademik, tetapi juga berfungsi sebagai langkah kreatif untuk menyelesaikan masalah.

Jelma by Bold 2024, pameran yang menampilkan karya 118 pelajar semester akhir program Sarjana Muda Reka Bentuk Grafik di UiTM Kampus Puncak Alam.





## "ORCA AND MARES SHARE EXPERTISE IN IDENTIFYING FRESHWATER FISH BIODIVERSITY IN BUKIT JERNIH FOREST RESERVE."

30 July 2024 | Dewan Kosmik

ORCA dan MARES Kongsi  
Kepakaran Kenal Pasti Biodiversiti  
Ikan Air Tawar di Hutan Simpan Bukit  
Jernih

Kumpulan inisiatif penyelidikan Ocean, Research, Conservation and Advances (ORCA) dan Stesen Penyelidikan Marin (MARES), Fakulti Sains Gunaan, Universiti Teknologi MARA (UiTM) Cawangan Perlis telah mengikuti Ekspedisi Saintifik Kepelbagaian Biologi Hutan Taman Negeri Perlis di Hutan Simpan Bukit Jernih.

Ekspedisi ini dianjurkan oleh Jabatan Perhutanan Semenanjung Malaysia dengan kerjasama Jabatan Perhutanan Negeri Perlis yang turut melibatkan komuniti di Kampung Bukit Jernih dan Persatuan Perlis Climbers.

BERITA

## ORCA dan MARES Kongsi Kepakaran Kenal Pasti Biodiversiti Ikan Air Tawar di Hutan Simpan Bukit Jernih



## CORPORATE

## e-Invoice rollout: Challenges and support needed for auto sector

By **Bernama**

August 5, 2024 @ 4:26pm



*The government's move to implement e-invoicing is a significant step towards digitising governmental transactions, but it also presents several challenges, particularly for the automotive industry.*

## "E-INVOICE ROLLOUT: CHALLENGES AND SUPPORT NEEDED FOR AUTO SECTOR."

5 August 2024 | New Straits Times

5 August 2024 | e-Invoice rollout: Challenges and support needed for auto sector

Meanwhile, Malaysia Institute of Transport director and Universiti Teknologi MARA associate professor Wan Mazlina Wan Mohamed said that government support is expected and needed for a smooth transition. "Incentives for SMEs implementing e-invoicing will contribute tax returns to the Inland Revenue Board of Malaysia (IRB) and indirectly help boost the country's economy," she said.

Wan Mazlina said that transitioning to e-invoicing might require significant investment in setting up network systems, a stable internet connection, and updated software for smaller dealerships.

"Additional costs may arise from hiring and training additional staff to manage administrative tasks, especially if the business owner is directly involved in operations," she said.

## "TALIWORKS UNIT IN UiTM TIE-UP."

9 August 2024 | The Star

Taliworks Corp Bhd's subsidiary, Sungai Harmoni Sdn Bhd, has partnered with Universiti Teknologi MARA (UiTM) to jointly drive research in water treatment plant (WTP) operations.

The collaboration with UiTM is a product of Sungai Harmoni's ongoing efforts and leadership in water industry research and development, and in line with Taliworks' sustainability agendas.

## Taliworks unit in UiTM tie-up

**PETALING JAYA:** Taliworks Corp Bhd's subsidiary, Sungai Harmoni Sdn Bhd, has partnered with Universiti Teknologi MARA (UiTM) to jointly drive research in water treatment plant (WTP) operations.

The collaboration will also look into the sustainable management of the residuals generated.

In a statement, Taliworks said the partnership will focus on integrating artificial intelligence and Internet of Things technologies to develop sustainable methods for the operation and maintenance of WTP and managing the residuals.

"The collaboration with UiTM is a product of Sungai Harmoni's ongoing efforts and leadership in water industry research and development, and in line with Taliworks' sustainability agendas.

"Sungai Harmoni is optimistic that this strategic alliance with UiTM would ultimately provide significant contributions to both the environment and society," it added.

Stories by GERALDINE TONG  
sunday@thestar.com.my

IT is the weekend, and Melaka is packed with tourists.

Visitors from all over the world swarm the city centre, pedestrians bustle about the streets, taking photographs of the colonial architecture and sampling local cuisine while those with vehicles fill up the main roads of the city.

The locals may not be fond of the resulting congestion, but this is a common sight in the state, which was recognised with a joint inscription with George Town on the Unesco (United Nations Educational, Scientific and Cultural Organisation) World Heritage list in 2008.

Being on the World Heritage list brings higher international fame, with Unesco saying the resulting prestige often helps raise awareness among citizens and governments about heritage preservation.

But now Melaka is looking to expand its development with the Straits of Melaka Waterfront Economic Zone (SM-WEZ) project, which will include building on Unesco gazetted reclaimed land.

Early last month, it was reported that the Chief Minister Datuk Seri Ab Rauf Yusof had said that the state had applied for the development and is awaiting approval from the National Heritage Department after its first application was rejected.

#### Unesco designation in danger

If Melaka gets approval to build on gazetted heritage sites, experts warn it may cost Melaka its Unesco World Heritage status.

This is because being a Unesco heritage site comes with operational guidelines under the World Heritage Convention 1972 says Dr Shahrul Yani Said, an associate professor at the faculty of architecture, planning and surveying at Universiti Teknologi Mara.

She points specifically to Paragraph 172 of the convention, which states that parties are invited to inform the committee of any intention to undertake or authorise any new construction in a protected area that may affect the property's outstanding universal value (OUV). The OUV of a site is one of the major considerations when applying for Unesco World Heritage site status.

"This shows the importance of safeguarding the world heritage site and ensures any new development won't affect the OUV of the place.

"There are cases where the guidelines were not followed and a place which was listed sometimes got delisted.

"Once the OUVs are missing, the potential of delisting is higher, therefore it should be avoided," Shahrul says.

Melaka has also previously recognised the importance of conserving a Unesco World Heritage site as stated in the 2013 State of Conservation Report presented by the country to the World Heritage Committee.

In the report, Malaysia states that it has amended its draft Special Area Plans (SAPs) that now stress the importance of new developments not detracting from the OUV of the property

# Status quandary

Melaka is applying to develop land gazetted as a World Heritage site. While this move could be key for the state's development, it will impact not only the city's Unesco listing, but also George Town's.



**Global profile:** Being on the World Heritage list has brought higher international fame to Melaka, as seen here in 2008, with Unesco saying the resulting prestige often helps raise awareness among citizens and governments about heritage preservation. — AFP

and require Heritage Impact Assessments (HIA) for all new developments, says Badan Warisan Malaysia president Lim Wei-Ling.

Shahrul adds that aside from the SAPs, Malaysia has also come up with Conservation Management Plans (CMP) to help sustain the OUV of heritage sites.

"In terms of balancing development and conservation, the CMP and SAP set-up has outlined what to do and not to do," she says.

"Furthermore, the National Heritage Department has been monitoring our World Heritage sites and we can say that compared with before, the department has actively engaged with relevant parties to safeguard our heritage."

The Housing and Local Government Ministry also launched the Urban Regeneration implementation guidelines in 2023 to show the government's stand in protecting heritage sites in urban areas.

In Melaka, while its historic area has been recognised as a heritage enclave by Unesco, the coastline is just as important, she adds.

As such, high-impact projects

such as the SM-WEZ will almost certainly affect World Heritage status, Lim says.

"Badan Warisan would suggest that any application to 'reclaim' or 'redesignate' any part of the designated Unesco World Heritage site needs to be carefully done so as not to jeopardise its current heritage status."

#### Implications for Penang

Then there is the impact of this move for George Town, another historic city that enjoys a large influx of tourists every year.

"It would be prudent to consult George Town on this matter as it may affect George Town's World Heritage status too.

"It should not be a unilateral decision by Melaka alone. Any attempt by Melaka to enlarge the World Heritage site must be carefully considered, planned and executed," Lim says.

The Penang Heritage Trust (PHT) does have something to say about Melaka's application.

First of all, the body reminds stakeholders that the title of the World Heritage inscription given to Melaka and Penang is very clear: ie "Melaka and George

Town, Historic Cities of the Straits of Malacca".

As such, it says there is "definitely" a danger of not only Melaka but George Town also losing its World Heritage status. Despite Penang's stake in this, the PHT says it is not aware of the first application as mentioned by Rauf.

It acknowledges that rezoning is a state matter and Melaka has the discretion to rezone any property. However, it noted that if informed, the World Heritage Committee will likely reject the change in the use status of the land and advise against it, especially if it is in a core area or buffer zone.

But heritage conservation and urban development need not be in contention with each other. PHT says culture-based economic development has many benefits too, especially within World Heritage sites.

"One does not preclude the other. The Melaka government uses this as an excuse, which should be rebutted.

"Already there is over-tourism evident in Melaka, mainly due to the cachet of the World Heritage status.

"Land prices have also shot up due to the scarcity value. The listing has brought international fame, national pride, and recognition."

"Think City, originally founded in 2009 to manage urban rejuvenation in George Town, concurs with the view that heritage preservation does not need to compete with economic development.

Its managing director Datuk Hamdan Abdul Majeed says the continued international recognition is important as it lays the foundation for new forms of economic development based around heritage and culture.

According to him, based on Think City's study, visitors to Penang have increased from six million to nine million in the last decade, much of it aligned with cultural tourism.

"We believe that the path forwards is through sustainable urban development complementing the preservation of heritage assets.

"Promoting growth and infrastructure with new development surrounding heritage sites, keeping them intact, is encouraged," says Hamdan.

## STATUS QUANDARY

11 August 2024 | Sunday Star

Unesco designation in danger. If Melaka gets approval to build on gazetted heritage sites, experts warn it may cost Melaka its Unesco World Heritage status. This is because being a Unesco heritage site comes with operational guidelines under the World Heritage Convention 1972 says Dr Shahrul Yani Said, an associate professor at the faculty of architecture, planning and surveying at Universiti Teknologi Mara.

# Call to hold parents, guardians liable for actions of children

BY QIRANA NABILLA  
MOHD RASHIDI  
newsdesk@thesundaily.com

**PETALING JAYA:** An academic has called on authorities not to ignore the law but to hold parents and guardians liable for their children's actions, especially when they result in death or serious injuries.

Universiti Teknologi Mara Social and Policy Studies lecturer Prof Dr Yarina Ahmad said such action is necessary to send a message to society that being unaware of what their children have been up to is unacceptable.

"Parents and guardians cannot plead innocence when their children cause an individual to be killed or suffer serious injuries. They should also not be allowed to avoid liability on the excuse that the culprit is a minor."

She was commenting on several incidents involving death caused by children.

In an Aug 9 incident in Bachok, Kelantan, a 12-year-old boy allegedly lost control of the three-wheeled motorcycle he was riding with five child passengers.

The vehicle fell into an irrigation

► Caretakers cannot plead innocence just because culprits are minors, especially when behaviour results in death or injuries: Academic

canal, resulting in the drowning of a 13-month-old girl who was seated on her brother's lap.

In the latest incident on Aug 15, two teenagers collided while performing "wheelies" with their motorcycles in Jalan Elmina Business Park, Sungai Buloh.

She said while the Child Act 2001 holds parents and guardians liable for their children's actions, it does not cover the negligence of a child towards a third party.

Lawyer G.K. Ganesan Kasinathan said under Section 31(1)(a) of the Child Act 2001, parents or guardians who neglect their children, act negligently in a way that may cause the child to suffer physical injury or allow their child to be neglected may be fined not more than RM50,000, jailed for up to 20 years, or both.

"Under Section 39(5) of the Road Transport Act 1987, parents or guardians who cause or allow their children under the age of 16 to drive

a motor vehicle may be fined not more than RM2,000, jailed for up to six months, or both."

Yarina said proper enforcement of the Child Act 2001 would significantly influence and shape adult behaviour and ensure negligence or failure to act responsibly is not ignored.

She said social problems, such as *mat rempit* and aimless loitering, influence children to engage in violent and risky behaviour.

"The culture of underage motorcycle riding is prevalent in rural and certain residential areas. Underage riders operate motorcycles without safety measures and some even do so with small infants or toddlers as passengers."

She said there is a lack of enforcement regarding child negligence as many such cases remain legally unresolved and the penalties need to be raised.

She added that Norway, Finland

and Australia have zero tolerance for child negligence but Malaysia is more lenient with grieving parents and rarely pursues legal action against them.

"As the family institution weakens, parents and guardians must learn to cope with the changing demands of parenting and play their role in addressing the question of negligence. Children should be taught about right and wrong."

Ganesan said while parents are generally not held criminally liable for the crimes of their children, an exception is made when they design, assist or contribute to the child's delinquency.

"In some countries, there are specific laws concerning 'contributing to delinquency' under which parents are held criminally liable for their children's actions."

He said parents can face civil liability in tort for failing to properly supervise their children or for damages caused by their children's intentional acts.

A tort is a wrongful act other than a breach of contract that injures another and for which the law imposes civil liability.

## CALL TO HOLD PARENTS, GUARDIANS LIABLE FOR ACTIONS OF CHILDREN

22 August 2024 | The Sun Malaysia

An academic has called on authorities not to ignore the law but to hold parents and guardians liable for their children's actions, especially when they result in death or serious injuries.

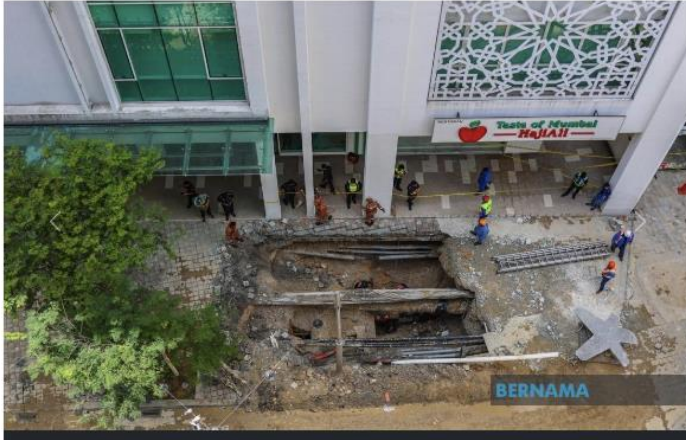
Universiti Teknologi Mara Social and Policy Studies lecturer Prof Dr Yarina Ahmad said such action is necessary to send a message to society that being unaware of what their children have been up to is unacceptable.

"Parents and guardians cannot plead innocence when their children cause an individual to be killed or suffer serious injuries. They should also not be allowed to avoid liability on the excuse that the culprit is a minor."

GENERAL

## Businesses, Authorities Urged To Prioritise Infrastructure Maintenance Following Recent Sinkhole Incident

© 25/08/2024 01:55 PM



By Abdul Hamid A Rahman

KUALA LUMPUR, Aug 25 (Bernama) -- The recent sinkhole incident in Jalan Masjid India here has underscored the urgent need for enhanced infrastructure maintenance by the business entities and authorities.

This incident, which raised significant safety concerns, highlights the critical importance of investing in preventive measures to protect lives and ensure the smooth functioning of business operations.

Malaysia Institute of Transport (MITRANS) director and Universiti Teknologi MARA (UiTM) Associate Professor Dr Wan Mazlina Wan Mohamed said that it is necessary of a dedicated maintenance fund.

"Currently, Malaysia seems to prioritise new construction over the upkeep of existing infrastructure. In contrast, European countries routinely invest in summer maintenance projects to keep their infrastructure in optimal condition.

"A dedicated maintenance fund would ensure ongoing infrastructure stability and help prevent costly and safety disruptions," she told Bernama.

The associate professor said that preventive maintenance not only addresses minor issues before they become major problems but also extends the lifespan of infrastructure.

"Investing in preventive maintenance is crucial for protecting lives. Well-maintained infrastructure significantly reduces the risk of failures that could jeopardise public safety.

"Allocating funds for routine maintenance minimises operational business disruptions and contributes to overall safety," she added.

Wan Mazlina highlighted the role of data-driven decision-making in infrastructure management.

"Businesses and authorities must leverage data analytics to monitor infrastructure performance and make informed decisions about resource allocation. However, Malaysia's fragmented data collection and the reluctance of private companies to share information impede this process," she said.

Wan Mazlina said that establishing a comprehensive and integrated database could improve forecasting and planning, thereby reducing infrastructure-related issues and enhancing safety and efficiency.

Yesterday, as reported by Bernama, Communications Minister Fahmi Fadzil said that mapping utilities is crucial, to understand the underground situation, as many areas contain pipelines and electric cables that are sometimes inaccurately mapped by utility companies.

"I have received many complaints that during the development of projects, dredging work often reveals large TNB cables, for example, which were not indicated on the map. Hence, there is a need for collaboration with the Kuala Lumpur mayor to ensure that we not only have mapping on the surface but also utility mapping," he said.

To ensure the efficient use of maintenance funds, Wan Mazlina suggested implementing performance metrics to evaluate maintenance and upgrade projects.

"These metrics help ensure that resources are used effectively and that projects meet their objectives. For businesses, this translates to better infrastructure management and reduced risk of disruptions.

"More importantly, effective maintenance and performance evaluation can prevent incidents with serious safety implications, creating a safer environment for all," she concluded.

-- BERNAMA

# BUSINESSES, AUTHORITIES URGED TO PRIORITISE INFRASTRUCTURE MAINTENANCE FOLLOWING RECENT SINKHOLE INCIDENT

26 August 2024 | Bernama

The recent sinkhole incident in Jalan Masjid India here has underscored the urgent need for enhanced infrastructure maintenance by the business entities and authorities. This incident, which raised significant safety concerns, highlights the critical importance of investing in preventive measures to protect lives and ensure the smooth functioning of business operations.

Malaysia Institute of Transport (MITRANS) director and Universiti Teknologi MARA (UiTM) Associate Professor Dr Wan Mazlina Wan Mohamed said that it is necessary of a dedicated maintenance fund.

"Currently, Malaysia seems to prioritise new construction over the upkeep of existing infrastructure. In contrast, European countries routinely invest in summer maintenance projects to keep their infrastructure in optimal condition.

"A dedicated maintenance fund would ensure ongoing infrastructure stability and help prevent costly and safety disruptions," she told Bernama.

## MSLAB 2024 MEDAN PERKONGSIAN ILMU DAN INOVASI DALAM PENYELIDIKAN BAKTERIA ASID LAKTIK

30 August 2024 | Dewan Kosmik

Persatuan Bakteria Asid Laktik Malaysia (MSLAB) telah menganjurkan bengkel dan simposium Malaysian Symposium on Lactic Acid Bacteria (MSLAB) 2024 yang pertama yang bertemakan "Updates on Probiotics, Its Roles in Nutrition and Industrial Growth Opportunity" yang menjadi medan perkongsian ilmu dalam bidang bakteria asid laktik yang sedang giat dan pesat dijalankan di Malaysia dan antarabangsa.

MSLAB 2024 yang berlangsung di Fakulti Perubatan dan Sains Kesihatan, Universiti Putra Malaysia (UPM) dianjurkan bersama sama Universiti Kebangsaan Malaysia (UKM), Universiti Teknologi MARA (UiTM), Universiti Terengganu Malaysia (UMT), Universiti IMU dan Universiti MAHSA.

Dalam program yang sama, forum yang bertajuk "Tren Terkini dan Masa Hadapan mengenal Probiotik, Prebiotik, Postbiotik dan Sinbiotik: Kemajuan Sains dan Teknologi" yang dipengerusikan oleh Prof. Dr. Kalavathy Ramasamy (UiTM) telah membincangkan mengenai perkembangan dan cabaran dalam bidang bakteria asid Laktik.



BERITA

## MSLAB 2024 Medan Perkongsian Ilmu dan Inovasi dalam Penyelidikan Bakteria Asid Laktik

# PERIKSA SISTEM SALURAN BAWAH TANAH

2 September 2024 | Utusan Malaysia

Kerajaan perlu memeriksa sistem saluran bawah tanah di Kuala Lumpur bagi mengelak risiko berlakunya lubang benam sebagaimana tragedi di Jalan Masjid India baru-baru ini.

Terdahulu, akhbar ini melaporkan, sebanyak 10 kawasan di sekitar ibu negara berisiko untuk berlakunya kejadian lubang benam yang dibimbangi akan meragut nyawa.

Perkara ini didedahkan melalui kajian dikeluarkan oleh Universiti Teknologi Mara (UiTM) yang bertajuk Sinkhole Susceptibility Hazard Zones Using GIS and Analytical Hierarchical Process (AHP): A Case Study of Kuala Lumpur and Ampang Jaya.

Kajian yang dijalankan pada 2017 menggunakan Sistem Maklumat Geografi (GIS) dan Proses Analitik Hierarki (AHP) itu mendedahkan terdapat 10 kawasan yang dikategorikan dengan tiga kategori iaitu risiko rendah, risiko tinggi dan risiko sangat tinggi.

# PERIKSA SISTEM SALURAN BAWAH TANAH

Oleh **ARIF AIMAN ASROL** dan **NURAINA HANIS ABD. HALIM**  
utusannews@mediamula.com.my

**PETALING JAYA:** Kerajaan perlu memeriksa sistem saluran bawah tanah di Kuala Lumpur bagi mengelak risiko berlakunya lubang benam sebagaimana tragedi di Jalan Masjid India baru-baru ini.

Pakar Geobencana dari Universiti Kebangsaan Malaysia (UKM), Dr. Goh Thian Lai berkata, kerajaan perlu melihat paip-

**Risiko lubang benam tinggi jika pembangunan tanpa perancangan**

paip lama atau yang sudah usang sebelum sesuatu projek dilaksanakan.

Ini kerana, tambah beliau, setiap projek pembangunan yang gagal mengambil kira aspek ke-

selamatan bakal mengundangi kembali bencana geologi seperti lubang benam.

"Pembangunan pesat yang dilakukan tanpa mempunyai perancangan yang baik, ia meningkatkan risiko berlakunya bencana geologi.

"Apabila terdapat banyak utiliti bawah tanah dan kemudiannya pecah, ia mewujudkan lubang benam seperti yang berlaku di Jalan Masjid India sebelum ini.

Bersambung di muka 3

## Periksa sistem saluran bawah tanah

Dari muka 1

"Oleh itu, kerajaan perlu melakukan sesuatu untuk melihat paip di bawah tanah yang usang itu sama ada selamat atau tidak sebelum sesuatu projek pembangunan dilaksanakan. Ada teknologi yang boleh digunakan untuk mengesan masalah dan menggantikan paip yang rosak itu," katanya ketika dihubungi *Utusan Malaysia* semalam.

Terdahulu, akhbar ini melaporkan, sebanyak 10 kawasan di sekitar ibu negara berisiko untuk berlakunya kejadian lubang benam yang dibimbangi akan meragut nyawa.

Perkara ini didedahkan melalui kajian dikeluarkan oleh Universiti Teknologi Mara (UiTM) yang bertajuk *Sinkhole Susceptibility Hazard Zones Using GIS and Analytical Hierarchical Process (AHP): A Case Study of Kuala Lumpur and Ampang Jaya*.

Kajian yang dijalankan pada 2017 menggunakan Sistem

Maklumat Geografi (GIS) dan Proses Analitik Hierarki (AHP) itu mendedahkan terdapat 10 kawasan yang dikategorikan dengan tiga kategori iaitu risiko rendah, risiko tinggi dan risiko sangat tinggi.

Sementara itu, Thian Lai bagaimanapun berkata, Kuala Lumpur masih selamat untuk diduduki dan menjadi ibu negara walaupun ia diliputi hingga 30 peratus batu kapur.

"Walaupun kita menduduki di kawasan yang di bawahnya adalah batu kapur, ia tidak semestinya akan berlaku lubang benam. Ini kerana batu kapur di Malaysia sangat keras walaupun usianya sudah mencapai sehingga 400 juta tahun.

"Jadi jika di kawasan itu tidak ada gegua, rongga dan risiko untuk menjadi lubang benam maka kawasan tersebut kuat," jelasnya.

Sementara itu, Polis Diraja Malaysia (PDRM) akan mengadakan perbincangan dengan Dewan Bandaraya Kuala Lum-

pur (DBKL) berhubung butiran terperinci membabitkan kawasan tanah jerlus di Jalan Masjid India, di sini.

Ketua Polis Daerah Dang Wangi, Asisten Komisioner Sulizme Affendy Sulaiman berkata, perbincangan tersebut dilakukan hari ini bagi membolehkan DBKL memberikan butiran lanjut berkaitan kawasan-kawasan yang terlibat untuk kerja pembaikan.

"Setakat ini tiada keperluan untuk menempatkan anggota polis (di lokasi kejadian)," katanya ketika dihubungi semalam.

Beliau turut mengingatkan orang ramai agar tidak melalau kawasan yang telah ditutup atas faktor keselamatan.

Media semalam melaporkan operasi mencari dan menyelamat wanita warga India, Vijaya Lakshmi, 48, yang terjatuh dalam kejadian tanah jerlus di Masjid India di sini pada 23 Ogos lalu dihentikan atas faktor keselamatan.

Menteri di Jabatan Perdana Menteri (Wilayah Persekutuan), Dr. Zaliha Mustafa dilaporkan berkata, tindakan selanjutnya di lokasi kejadian tanah jerlus di Masjid India di sini akan diteruskan dengan proses pemuliharaan (search and recovery).

Beliau berkata, ia akan diserahkan kepada PDRM kerana terdapat beberapa perkara yang perlu dilakukan pihak DBKL.

Antaranya, kata beliau, pemetaan utiliti dan kajian struktur tanah yang akan dilaksanakan di seluruh Kuala Lumpur.

"Selain itu, sesi libat urus antara peniaga juga akan dilaksanakan bagi menyambung kembali aktiviti di kawasan ini, pihak DBKL juga diminta untuk melakukan kerja-kerja pembaikan semula.

"Kawasan dari Pintu Gerbang sehingga ke pasar raya Mydin dengan jarak 100 meter akan dipastikan tidak dilalui oleh pengunjung bagi kerja pemuliharaan dan pembinaan semula," katanya.



## UiTM Sedia Bantu Kerajaan Bangun Ekosistem Perkasa STEM

🕒 05/09/2024 09:46 AM



Guru Sekolah Menengah Kebangsaan Bagan Terap dari Sabak Bernam, Zul Fahmi Mohamad Sapawi (kanan) bersama para pelajaranya bergambar bersama BT Rocketstar pada sidang media Pertandingan Roket Malaysia 2024 (MRC 2024) di Institut Kepimpinan dan Pembangunan (ILD) Universiti Teknologi Mara (UiTM) Kampung Gajah di sini. MRC 2024 edisi kedua yang bertemakan "Launch Your Dream" membabitkan 45 pasukan yang terdiri daripada peserta sekolah menengah dan universiti



Naib Canselor Universiti Teknologi Mara (UiTM) Prof Datuk Dr Shahrin Sahib bercakap pada sidang media Pertandingan Roket Malaysia 2024 (MRC 2024) di Institut Kepimpinan dan Pembangunan (ILD) UiTM Kampung Gajah di sini. MRC 2024 edisi kedua yang berlangsung dari 3 hingga 5 Sept itu dengan tema "Launch Your Dream" membabitkan 43 pasukan yang terdiri daripada peserta sekolah menengah dan universiti. -- fotoBERNAMA (2024) HAK CIPTA TERPELIHARA



Pengarah Pertandingan Roket Malaysia (MRC) 2024 Prof Maadya Dr Zuraidah Salleh menunjukkan komponen roket pada sidang media MRC 2024 di Institut Kepimpinan dan Pembangunan (ILD) Universiti Teknologi Mara (UiTM) Kampung Gajah di sini. MRC 2024 edisi kedua yang berlangsung dari 3 hingga 5 Sept itu dengan tema "Launch Your Dream" membabitkan 43 pasukan yang terdiri daripada peserta sekolah menengah dan universiti. -- fotoBERNAMA (2024) HAK CIPTA TERPELIHARA



Peserta memasang komponen roket pada sidang media Pertandingan Roket Malaysia 2024 (MRC 2024) di Institut Kepimpinan dan Pembangunan (ILD) Universiti Teknologi Mara (UiTM) Kampung Gajah di sini. MRC 2024 edisi kedua yang bertemakan "Launch Your Dream" membabitkan 45 pasukan yang terdiri daripada peserta sekolah menengah dan universiti termasuk dari Indonesia, Singapura dan India.

## UiTM SEDIA BANTU KERAJAAN BANGUN EKOSISTEM PERKASA STEM

5 September 2024 | Bernama

Universiti Teknologi MARA (UiTM) bersedia membantu kerajaan membangunkan ekosistem berorientasikan bidang Sains, Teknologi, Kejuruteraan dan Matematik (STEM) yang menjadi antara komponen penting dalam memacu pertumbuhan ekonomi negara.

Dalam inisiatif itu, Malaysia Rocket Competition 2024 (MRC 2024) adalah program usaha sama di antara Kementerian Sains, Teknologi dan Inovasi (MOSTI) dan UiTM-MTC High Energy Material Research Laboratory (HEMREL) di bawah program Industrial Research Laboratory (IRL) UiTM sempena Minggu Sains Negara 2024. Pertandingan ini diadakan bagi memberi pendedahan dan memupuk minat berterusan kepada para pelajar dalam teknologi roket sains selari dengan pembangunan inovasi terkini. BITCOM turut berbangga dapat menyumbang dari sudut komunikasi dan media di dalam majlis ini.

🕒 10/09/2024 10:39 AM



## BUDGET 2025 WISHLIST: EXPERTS RECOMMEND 2.5 PCT GDP ALLOCATION FOR INFRASTRUCTURE MAINTENANCE

10 September 2024 | BERNAMA

Experts have recommended that the government allocate 2.5 per cent of its gross domestic product (GDP) annually in the budget for public infrastructure maintenance to ensure the long-term sustainability and functionality of national assets.

Malaysia Institute of Transport (MITRANS) director and Universiti Teknologi MARA (UiTM) Associate Professor Dr Wan Mazlina Wan Mohamed said the investment is important to preserve the quality and usability of the country's infrastructure.

"The government can help prevent deterioration and extend the lifespan of critical infrastructure assets by committing to this annual maintenance budget.

"The golden rule of percentage for transportation project maintenance allocation generally refers to a recommended percentage of GDP that should be dedicated to maintaining infrastructure," she told Bernama.

# Ekonomi Biru Sabah berpotensi bawa kekayaan melimpah



Oleh Mohd. Rafzi Rahmad dan Firdausi Suffian

**S**ABAH, dengan lokasinya yang strategik dan sumber marin yang melimpah, berdiri sebagai sebuah negeri yang kaya dengan potensi untuk memanfaatkan ekonomi biru yang semakin berkembang.

Komitmen terhadap pembangunan lestari menjadikan Sabah sebuah negeri ideal dalam mengeksplorasi peluang tersedia melalui ekonomi biru, mampu mempelbagaikan aktiviti ekonomi, mewujudkan peluang pekerjaan dan pada masa sama, memelihara ekosistem marin yang kaya dan berharga.

Ramai mungkin tidak menyedari apa yang dimaksudkan dengan ekonomi biru. Menurut definisi yang diberikan oleh Bank Dunia, ekonomi biru merujuk kepada penggunaan sumber lautan secara lestari untuk pertumbuhan ekonomi, memperbaiki taraf hidup dan mengembangkan peluang pekerjaan sambil memastikan kemampuhan ekosistem lautan.

Definisi ini menekankan kepentingan pembangunan yang mampan dan inklusif, yang mana sumber lautan digunakan secara bijaksana bagi memacu pertumbuhan ekonomi negara, tanpa mengorbankan kelestarian alam sekitar.

Sabah mempunyai kelebihan geografi yang tidak dapat dinafikan. Garis pantai yang membentang sepanjang 2,383 kilometer (km), landasan benua seluas 116,800 km persegi dan kawasan lautan seluas 37,300 km persegi menjadikan Sabah sebuah negeri yang kaya dengan sumber marin.

Kekayaan ini menyediakan peluang yang luas untuk pembangunan pelbagai sektor dalam ekonomi biru, termasuk perikanan, akuakultur, tenaga laut boleh diperbaharui serta



**HAJJI Noor (tengah) menyempurnakan simbolik pelancaran portal rasmi Sidsangan Ekonomi Biru Antarabangsa Sabah (SIBEC 2024) di Kota Kinabalu pada 6 Mac lalu.**

pengangkutan maritim. Potensi ini memberikan Sabah kelebihan yang signifikan dalam meneroka dan memanfaatkan ekonomi biru secara efektif.

Selain daripada itu, kepelbagaian biologi marin di Sabah merupakan satu lagi aset utama yang perlu diberi perhatian. Terumbu karang yang subur, hutan bakau yang luas dan pelbagai keunikan hidupan laut menjadikan Sabah sebuah kawasan kaya dengan modal asli tidak ternilai. Pemanfaatan sumber-sumber ini melalui pelancongan lestari, inisiatif karbon biru dan bioteknologi marin dapat memanaifakan ekonomi yang besar sambil memastikan pemeliharaan alam sekitar berterusan.

Dengan pendekatan yang bijak dan terancang, Sabah berupaya untuk menjadi pemimpin dalam pembangunan ekonomi biru mampan.

Kerajaan Sabah menunjukkan komitmen yang tinggi dalam usaha memanfaatkan potensi ekonomi biru ini. Ketua Menteri, Datuk Seri Hajji Noor menekankan bahawa ekonomi biru boleh menjadi penentu permainan alam pembangunan Sabah.

Sabah, sebagai negeri pertama yang memperkenalkan Dasar Ekonomi Biru pada tahun

ini, menunjukkan langkah proaktif dalam menetapkan hala tuju baharu bagi pembangunan ekonomi negeri. Dasar ini selari dengan aspirasi Sabah Maju Jaya, dengan objektif utama untuk mengoptimalkan sumber laut dalam usaha mengembangkan ekonomi negeri sambil menekankan inklusiviti sosial.

Ekonomi biru bukan sahaja mampu meningkatkan hasil negeri tetapi juga dapat menyokong pendapatan komuniti serta memelihara kelestarian sumber lautan. Asas ekonomi biru ini tidak hanya tertumpu kepada keuntungan semata-mata, tetapi juga menekankan pembangunan komuniti dan kelestarian yang mampan.

Sebagai langkah awal dalam mengembangkan dasar ekonomi biru ini, Hajji mengundang pelabur asing, khususnya dari China, untuk bekerjasama dengan kerajaan negeri dalam membangunkan pelbagai sektor ekonomi biru seperti perikanan, akuakultur, tenaga boleh diperbaharui dan industri pemrosesan makanan. Pendekatan strategik ini bertujuan untuk memanfaatkan kepakaran serta modal antarabangsa bagi memacu pertumbuhan lestari dalam industri berasaskan lautan di Sabah. Ini merupakan satu langkah penting dalam memastikan

Sabah dapat mencapai matlamat ekonomi biru yang mampan dan inklusif.

Untuk merealisasikan potensi ekonomi biru di Sabah sepenuhnya, satu pendekatan yang komprehensif diperlukan. Ini termasuk penguatkuasaan tadbir urus dan peraturan, dengan mewujudkan rangka kerja tadbir urus yang kukuh, peraturan jelas serta mekanisme penguatkuasaan yang berkesan bagi memastikan pengurusan lestari sumber dan aktiviti marin.

Pelaburan dalam infrastruktur ekonomi biru juga menjadi dimensi penting dalam pembangunan ini, dengan membangunkan kemudahan pelabuhan moden, logistik maritim serta infrastruktur pesisir pantai yang diperlukan untuk menyokong pertumbuhan sektor ekonomi biru seperti perkapalan, tenaga boleh diperbaharui luar pesisir dan pelancongan marin.

Ekonomi biru di Sabah juga membuka peluang besar dalam bidang penyelidikan dan inovasi teknologi. Penyelidikan dan pembangunan dalam bidang seperti bioteknologi marin, pemantauan lautan serta akuakultur lestari dapat memacu inovasi dan kemajuan teknologi yang penting bagi menyokong pertumbuhan ekonomi biru yang mampan.

Di samping itu, pembangunan modal insan merupakan elemen penting, dengan pelaburan dalam pendidikan, latihan dan pembangunan kemahiran adalah perlu untuk membina tenaga kerja mahir selain mampu menyokong pelbagai industri ekonomi biru.

Penggunaan amalan lestari dalam pelaksanaan dasar dan inisiatif ekonomi biru juga penting bagi memastikan kelestarian alam sekitar. Ini termasuklah perikanan lestari, pemulihan ekosistem pesisir pantai dan pengurusan sisa yang mesra alam. Ekonomi biru Sabah menawarkan pelbagai peluang untuk kerjasama dan perkongsian, serta memupuk kerjasama rentas sektor mahupun antarabangsa, khususnya dengan negara-negara jiran dalam memanfaatkan kepakaran, sumber selain amalan terbaik dalam pembangunan ekonomi biru.

**ERA BAHARU EKONOMI**  
Dengan memanfaatkan kelebihan semula jadi dan merangka ekonomi biru secara strategik, Sabah sepenuhnya, satu pendekatan era baharu pertumbuhan ekonomi lestari dan kemakmuran.

Komitmen kerajaan negeri dalam meneroka konsep ini, bersama dengan sokongan pelabur asing serta strategi pembangunan yang komprehensif, menjadi kunci utama dalam mengubah Sabah menjadi bah ekonomi biru yang terkemuka di rantau ini.

Ketika Sabah terus melakar laluan menuju ekonomi yang lebih pelbagai dan berdaya tahan, ekonomi biru menawarkan jalan yang menjanjikan untuk mewujudkan peluang pekerjaan, meningkatkan taraf hidup serta melindungi ekosistem marin yang berharga untuk generasi akan datang.

**MCHD Rafzi Rahmad** ialah Ketua Timbalan Pendaftar Pejabat Timbalan Naib Canselor (Penyelidikan & Inovasi), Universiti Teknologi Mara (UiTM) merangkap Naib Presiden 1 Institut Pengurusan Sumber Manusia Malaysia (MIRHM).

**PROFESOR Madya Dr. Firdausi Suffian** ialah Ketua Pegawai Eksekutif Invest Sabah Berhad merangkap Professor Madya di Fakulti Sains Pentadbiran dan Pengajian Polisi, Universiti Teknologi Mara (UiTM).

## EKONOMI BIRU SABAH BERPOTENSI BAWA KEKAYAAN MELIMPAH

20 September 2024 | Utusan Malaysia

Sabah dengan lokasinya yang strategik dan sumber marin yang melimpah, berdiri sebagai sebuah negeri yang kaya dengan potensi untuk memanfaatkan ekonomi biru yang semakin berkembang.

Komitmen terhadap pembangunan lestari menjadikan Sabah sebuah negeri ideal dalam mengeksplorasi peluang tersedia melalui ekonomi biru, mampu mempelbagaikan aktiviti ekonomi, mewujudkan peluang pekerjaan dan pada masa sama, memelihara ekosistem marin yang kaya dan berharga.

Ekonomi biru di Sabah juga membuka peluang besar dalam bidang penyelidikan dan inovasi teknologi. Penyelidikan dan pembangunan dalam bidang seperti bioteknologi marin, pemantauan lautan serta akuakultur lestari dapat memacu inovasi dan kemajuan teknologi yang penting bagi menyokong pertumbuhan ekonomi biru yang mampan.



**JPI**  
**ACTIVITIES**

July - September 2024



*Lawatan Rasmi*  
**Pejabat Timbalan Naib Canselor  
(Penyelidikan & Inovasi), UiTM**

**ke Akademi Sains Malaysia (ASM)**



**LAWATAN RASMI PEJABAT TIMBALAN NAIB  
CANSELOR (PENYELIDIKAN & INOVASI), UiTM KE  
AKADEMI SAINS MALAYSIA(ASM)**

2 July 2024



# Online Signing Ceremony Memorandum of Understanding (MoU)

between

**Universiti Teknologi MARA (UiTM)**

and

**Metal Forming Research Corporation Korea**

**5 JULY 2024 (FRIDAY)**

Level 7, Bangunan Canseleri Tuanku Syed Sirajuddin,  
Universiti Teknologi MARA Shah Alam



## ONLINE MOU EXCHANGE BETWEEN UNIVERSITI TEKNOLOGI MARA (UiTM) AND METAL FORMING RESEARCH CORPORATION REPUBLIC OF KOREA

5 July 2024 - An online MoU exchange between Universiti Teknologi MARA (UiTM) and Metal Forming Research Corporation Republic of Korea had taken place today.

UiTM became the first university in Malaysia to receive a grant of AFDEX (Advisor for Metal Forming Process Design Experts) metal forming simulator and the MFRC International Industrial Grant from the Metal Forming Research Corporation (MFRC) Korea, a leading forming simulation services company in Korea awarded to the Principle Investigator: Assoc. Prof. Ir. Dr. Noor Azlina Mohd Salleh (fellow of Smart Manufacturing Research Institute - SMRI, School of Mechanical Engineering). This recognition results from the excellent yearly internship programmes, research collaborations, and mobility initiatives,

such as summer programmes and conferences, that have taken place since 2016.

Credit also goes to Dr Mohd Kaswande, MFRC Senior R&D Researcher and UiTM alumnus of School of Mechanical Engineering batch 2016, who has maintained close rapport with UiTM and SMRI. After completing his master's and Ph.D. studies at Gyeongsang National University (GNU), he has actively participated in several collaborations with Assoc. Prof. Ir Dr Noor Azlina Mohd Salleh. Additionally, three other Faculty of Mechanical Engineering alumni, Amirah Nabilah Azman (master's degree) and Nurul Aqilah Razali (master's degree) and Afaf Amera Abd.Ghawi (master's degree) have completed their postgraduate studies, fully sponsored by the Korean government and MFRC.



## LAWATAN BITCOM KE COE – AuRIns

5 July 2024 - Kunjungan hormat dan perkongsian pengkomersialan oleh BITCOM telah diadakan di Centre of Excellence (CoE), Atta-ur-Rahman Institute for Natural Products Discovery (AuRIns), Puncak Alam.

Sempena kunjungan hormat adalah untuk menjalankan 'produk hunting' di kalangan penyelidik UiTM dan memberikan pendedahan mengenai peluang pengkomersialan hasil penyelidikan kepada penyelidik dan pengurusan AuRIns. Ini termasuklah mengenalpasti hasil penyelidikan yang berpotensi untuk dipasarkan, serta mempertingkatkan kefahaman mengenai proses dan strategi pengkomersialan.

Lawatan ini telah mengukuhkan kerjasama dalam mendukung usaha meningkatkan impak penyelidikan UiTM di peringkat nasional dan antarabangsa. Melalui perkongsian ini, diharapkan lebih banyak inovasi dari UiTM dapat diterokai dan dimanfaatkan oleh industri serta masyarakat secara keseluruhannya.

# PELAN TINDAKAN DAN HALATUJU HICoE

12 July 2024







# LAWATAN RASMI PEJABAT TIMBALAN NAIB CANSOLOR (PENYELIDIKAN & INOVASI), UiTM KE UiTM KAMPUS SABAH

2-3 July 2024



*Lawatan Rasmi*  
**Pejabat Timbalan Naib Canselor  
 (Penyelidikan & Inovasi), UiTM**  
 ke **UiTM Cawangan Sabah**



لويها تاتوي موليا



TNCPi UiTM

#bevisible

Pemangkin Idea



## LAWATAN RASMI PEJABAT TIMBALAN NAIB CANSELOR (PENYELIDIKAN & INOVASI), UiTM KE UNIVERSITI MALAYSIA SABAH

4 July 2024



*Lawatan Rasmi*  
**Pejabat Timbalan Naib Canselor  
 (Penyelidikan & Inovasi), UiTM**  
 ke **Universiti Malaysia Sabah (UMS)**



# SAMBUTAN HARI LAHIR PROF. TS. DR. NORAZAH, TIMBALAN NAIB CANSELOR (PENYELIDIKAN & INOVASI)

19 July 2024



## LAWATAN PEMANTAPAN RISIKO KE PEJABAT TNC (P&I), UiTM

24 July 2024

Pusat Pengurusan Risiko UiTM telah mengadakan Lawatan Pemantapan Risiko ke Pejabat TNC (P&I) bagi meningkatkan kefahaman tentang pengurusan risiko di setiap Pusat Tanggungjawab bertempat di Dewan Berlian, Bangunan Wawasan, UiTM Shah Alam.





## OFFICIAL VISIT FROM UNIVERSITY OF SHARJAH TO OFFICE OF DEPUTY VICE – CHANCELLOR (RESEARCH & INNOVATION), UiTM

2 August 2024



*Official Visit from*  
**University of Sharjah**  
to Office of Deputy Vice-Chancellor (Research & Innovation)  
Universiti Teknologi MARA (UiTM)

**2 August 2024 (Friday) | 10.00 am**  
Senate Meeting Room, Bangunan Canseleri Tuanku Syed Sirajuddin,  
UiTM Shah Alam

UiTM *di hanku* | اوبها تقوى موليا |  | TNCPi UiTM | #bevisible | Pemangkin Idea




# Taklimat PENGUKUHAN INTEGRITI DNA PENYELIDIKAN

**UiTM**

**8 Ogos 2024 (Khamis) | 2.30 petang**  
 Dewan Kuliah C, Aras 6,  
 Blok Dewan Kuliah, Pengajian Kejuruteraan Elektrik  
 Kolej Pengajian Kejuruteraan, UiTM Shah Alam

Turut bersiaran langsung di  
▶ LIVE **TNCPIUiTM**


اوتيمها توتوي موليا



**UCAPAN  
ALU-ALUAN**

**Prof. Ts. Dr. Norazah Abd Rahman**  
Timbalan Naib Canselor  
(Penyelidikan & Inovasi)



**KEPENTINGAN  
INTEGRITI DALAM  
PENYELIDIKAN**

Penceramah  
**Prof. Dr. Nor Azura Md Ghani**  
Pengarah Pusat Pengurusan Penyelidikan (PMP)



**PERKONGSIAN ISU  
INTEGRITI DALAM  
PENYELIDIKAN**

Penceramah  
**En. Mohd Hafiz Ramlee**  
Ketua Unit Integriti,  
UiTM Shah Alam



Pengacara Majlis  
**En. Zulhimi Shazhali**  
Pegawai Penyelidik Sosial  
Pusat Pengurusan Penyelidikan (PMP)

Anjuran:  
**Pejabat Timbalan Naib Canselor  
(Penyelidikan & Inovasi)  
& Unit Integriti UiTM**


TNCPI UiTM | #bevisible | Pemangkin Idea



## TAKLIMAT PENGUKUHAN INTEGRITI DNA PENYELIDIKAN UiTM

August 8, 2024

Taklimat Pengukuhan Integriti DNA Penyelidikan UiTM telah diadakan di Dewan Kuliah C, Aras 6, Pengajian Kejuruteraan Elektrik, Kolej Pengajian Kejuruteraan, UiTM Shah Alam.





# VIRTUAL MOU SIGNING CEREMONY BETWEEN UiTM & ADAMAS UNIVERSITY, INDIA

7 August 2024



## *Virtual* Memorandum of Understanding (MoU) Signing Ceremony

between

**Universiti Teknologi MARA (UiTM)**

and

**Adamas University (AU), India**

**7 AUGUST 2024 (WEDNESDAY)**

Level 7, Bangunan Canseleri Tuanku Syed Sirajuddin,  
Universiti Teknologi MARA Shah Alam



اوبها اتوي موليا



TNCPi UiTM

#bevisible

Pemangkin Idea



# MAJLIS MENANDATANGANI PERJANJIAN KERJASAMA UiTM & SUNGAI HARMONI SDN. BHD.

8 August 2024



**SUNGAI HARMONI**  
LGB Group



**TALIWORKS CORPORATION**  
LGB Group

## Majlis Menandatangani Perjanjian Kerjasama

di antara

**Universiti Teknologi MARA (UiTM)**

dan

**Sungai Harmoni Sdn. Bhd.**

**8 OGOS 2024 (Khamis) | 9.00 pagi**

Bilik Persidangan 1, Aras 2, Hospital Al - Sultan Abdullah,  
UiTM Puncak Alam



لوسيا بنوي موليا



TNCPi UiTM

#bevisible

Pemangkin Idea





## MOU SIGNING BETWEEN SRI WITH PINTARE AT 6TH ISES 2024: ACCELERATING TRANSITION THROUGH INNOVATION AT KUALA LUMPUR CONVENTION CENTRE.

20 August 2024





## SAMBUTAN HARI KEMERDEKAAN JABATAN PENYELIDIKAN & INOVASI, UiTM DENGAN KERJASAMA BAHAGIAN KOREKTIF JABATAN PENJARA KAJANG.

22 August 2024

Dewan Berlian, Bangunan Wawasan, UiTM Shah Alam



**BIOSAFETY AND BIOSECURITY MANAGEMENT Workshop**

21-22 August 2024  
(Wednesday & Thursday)  
8.00 am - 5.00 pm  
Gallery, Level 5, FF1, Faculty of Pharmacy,  
Universiti Teknologi MARA Puncak Alam Campus

Organized by:  
UTM Institutional Biosafety Committee (IBC-UTM)  
Office of Deputy Vice-Chancellor (Research & Innovation)

Speakers:  
Chairman of UTM Institutional Biosafety Committee (UTM IBC)  
Prof. Dr. Kalsathy Ramasamy  
Speaker 1  
Dr. John Shia Kwong Siew  
Faculty of Pharmacy  
Universiti Teknologi MARA  
Speaker 2  
Prof. Dr. Rohana Ahmad  
Faculty of Pharmacy  
Universiti Teknologi MARA  
Speaker 3  
Atsico Prof. Dr. Wan Mazlina Md Saad  
Faculty of Health Sciences  
Universiti Teknologi MARA

Search for Register: [QR Code]

UTM 25th Anniversary | TNCP/UTM | #visible | Pamangkin Idea

# BIOSAFETY & BIOSECURITY MANAGEMENT WORKSHOP

21-22 August 2024

Gallery, FF1, Faculty of Pharmacy,  
UiTM Puncak Alam Campus.





## UKHUWAH@PI SIRI 6 : MAJLIS BACAAN SURAH YASIN BULANAN PTNCPI

30 August 2024

Dewan Pavilion, Bangunan FF3, UiTM Cawangan Selangor,  
Kampus Puncak Alam



**KUNJUNGAN HORMAT SULTAN KUDARAT STATE UNIVERSITY (SKSU), PHILIPPINES KE BUSINESS INNOVATION & TECHNOLOGY COMMERCIALIZATION CENTRE (BITCOM), UNIVERSITI TEKNOLOGI MARA (UiTM), SHAH ALAM.**

30 August 2024





## PROGRAM TEAM BUILDING JABATAN PENYELIDIKAN & INOVASI, UiTM 2024

11-13 September 2024  
UiTM Cawangan Terengganu, Kampus Dungun.





## LAWATAN JABATAN PENYELIDIKAN & INOVASI, UiTM KE UiTM PERLIS & UniMAP

17-20 September 2024





**NEW**  
**MEMBERS**  
**@ JPI**



25th Anniversary UNIVERSITI TEKNOLOGI MARA

# Tahniah & Selamat Datang

**Staf Baharu**  
**Pejabat Timbalan Naib Canselor (Penyelidikan & Inovasi)**  
 Selamat menjalankan tugas




**Muhammad Izzat Mohd Ikrani**  
 Penerima Jawatan Penasihat & Sumber Manusia (PSM)

**Mohammad Hadeef Mohammad Jainal**  
 Penerima Jawatan Puan Penyelidikan (PAC)

daripada  
**Timbalan Naib Canselor (Penyelidikan & Inovasi)**  
 dan seluruh warga Pejabat TNCPi

UITM | [لوما توي ملها](#) | [#TNCPiUITM](#) | [#bovisible](#) | [Pamangkin Idea](#)

25th Anniversary UNIVERSITI TEKNOLOGI MARA

# Tahniah & Selamat Datang

**Staf Baharu**  
**Pejabat Timbalan Naib Canselor (Penyelidikan & Inovasi)**  
 Selamat menjalankan tugas





**Nuramalya Najwa Shamsul Karna**  
 Puan Penyelidikan (PAC)

**Mohd Izraf Anwar**  
 Puan Penyelidikan (PAC)

**Nur Hafidha Mohd Fadzil**  
 Puan Penyelidikan (PAC)




**Arie Izzati Mustafa**  
 Puan Penyelidikan (PAC)

**Nurul Afiqah Zahidi**  
 Puan Penyelidikan (PAC)

daripada  
**Timbalan Naib Canselor (Penyelidikan & Inovasi)**  
 dan seluruh warga Pejabat TNCPi

UITM | [لوما توي ملها](#) | [#TNCPiUITM](#) | [#bovisible](#) | [Pamangkin Idea](#)

25th Anniversary UNIVERSITI TEKNOLOGI MARA BITCOM Business Innovation and Technology Commercialisation Centre

YED SIR YODIN

# TAHNIAH & SELAMAT DATANG

**Dr. Zadariana Jamil @ Osman**

atas pelantikan sebagai  
**KETUA**  
 Kerjasama Strategik & Projek Khas

mulai 1 September 2024

#Hias daripada  
 Pengarah dan Warga BITCOM

[@bitcomuitm](#) | [bitcom.uitm.edu.my](#) | [bitcom\\_uitm](#)

UITM | [لوما توي ملها](#) | [#TNCPiUITM](#) | [#bovisible](#) | [Pamangkin Idea](#)

25th Anniversary UNIVERSITI TEKNOLOGI MARA

# Tahniah

**Dr. Nafisah Khalid**

atas pelantikan sebagai  
**Timbalan Pengarah (Perolehan dan Pemasaran) Penerbit UITM**

berkuat kuasa 1 Julai 2024

daripada  
**Timbalan Naib Canselor (Penyelidikan & Inovasi)**  
 dan seluruh warga Pejabat TNC P&I



UITM | [لوما توي ملها](#)

[#TNCPiUITM](#) | [#bovisible](#) | [Pamangkin Idea](#)



**THANK  
YOU &  
ALL THE BEST**



**THANK YOU & ALL THE BEST !**

**Dr. Mohd Sufri Mastuli**  
Head of Strategic Partnership & Special Projects.  
Business Innovation & Technology  
Commercialization Centre (BITCOM)

**Dr. Siti Hasnah Kamarudin**  
Coordinator of Industrial Technology.  
Research Nexus UiTM

**Prof. Madya Dr. Nor Lelawati Binti Jamaludin**  
Deputy Director of Social Creativity &  
Research Nexus UiTM

# Research **NEWS** | 20 24

DEPARTMENT OF RESEARCH AND INNOVATION/ JPI

*Follow us  
on social media*



# 2024



Published by

## Unit of Research Communication & Visibility

Department of Research & Innovation,  
Level 5, Bangunan Canseleri Tuanku Syed Sirajuddin,  
Universiti Teknologi MARA, 40450 Shah Alam, Selangor



اوسها تتوى موليا



JPI UiTM

#bevisible

Pemangkin Idea