BULETIN FKA

UNIVERSITI TEKNOLOGI MARA

Cawangan Pulau Pinang
Kampus Permatang Pauh

EDISI 2025

PENGAJIAN KEJURUTERAAN AWAM

UNIVERSITI TEKNOLOGI MARA CAWANGAN PULAU PINANG







Message from Ketua Pusat Pengajian



Assalamualaikum Warahmatullahi Wabarakatuh and greetings,

It is a pleasure to welcome you to the 2025 edition of Buletin FKA. This bulletin brings together the activities, achievements and memorable moments of the School of Civil Engineering, UiTM Cawangan Pulau Pinang throughout the year.

Looking back, 2025 has been a meaningful year for our School. While the achievements recorded in this bulletin deserve recognition, I believe our true strength lies in the people behind them. Every programme, student activity, research initiative and community engagement reflects the time and effort contributed by our lecturers, administrative staff, technical staff and students.

As educators, our responsibility extends beyond delivering academic content. We must prepare our students to think carefully, act professionally and respond confidently to the challenges they will encounter as civil engineers. The engineering profession continues to change, and our students must be ready to work with new technologies while remaining attentive to public safety, environmental concerns and the needs of society.

I am particularly grateful for the cooperation shown by everyone throughout the year. Some contributions are clearly visible through awards, publications and successful programmes, while many others take place quietly behind the scenes. Both are equally important to the continued success of our School.

To our students, I encourage you to make full use of every opportunity available during your time at UiTM. Academic knowledge provides the foundation, but your willingness to learn, communicate and take responsibility will shape the kind of engineer you eventually become.

I would also like to thank our alumni, industry partners and collaborators for continuing to share their knowledge and experience with us. Their involvement helps ensure that our teaching and activities remain relevant to professional practice.

Finally, congratulations to the editorial team and everyone who contributed to this edition. I hope Buletin FKA 2025 will serve as a meaningful record of our shared journey and remind us of what we can accomplish when everyone contributes.

Thank you and Wassalam.

Kapt. (PA) Ts. Dr. Muhamad Faizal bin Pakir Mohamed Latiff
Ketua Pusat Pengajian
Pengajian Kejuruteraan Awam
Universiti Teknologi MARA Cawangan Pulau Pinang

Sidang Editorial:
Unit Penerbitan PKA

Ketua Editor:
Dr. Kuan Woei Keong

Editor Artikel:
Prof. Madya Ts. Dr. Kay Dora Abd Ghani
Prof. Madya Dr. Noorsuhada Md Nor
Prof. Madya Ir. Dr. Ng Kok Shien
Prof. Madya Ir. Dr. Goh Lyn Dee
Prof. Madya Ts. Dr. Mohd Ikmal Fazlan bin Rosli@Rozli
Dr. Salina Alias
Juliana Idrus

Editor Grafik:
Ahmad Syauqi Md Hasan

Website : https://ppkapp.uitm.edu.my/buletin.php
Facebook: https://www.facebook.com/pkauitmcpp/

eISSN 2716-6325
9 772716 632004

Diterbitkan pada 17 September 2026

Enhancing Postgraduate Curriculum Quality: An International Collaborative Online Workshop between the Civil Engineering Department (UiTM Pulau Pinang, Penang, Malaysia) and the Faculty of Engineering (Universitas Malikussaleh, Aceh, Indonesia)

Syahrul Fithry Senin

Wednesday, 13 August 2025

1. Promoting International Academic Collaboration

Permatang Pauh, Penang, Malaysia – In a notable step toward strengthening international academic collaboration, the Faculty of Engineering at Universitas Malikussaleh (UNIMAL), Indonesia, hosted an online Curriculum Workshop for the Master's Program in Civil Engineering on 13 August 2025. Conducted via Zoom, the workshop convened distinguished experts to refine and enhance the postgraduate engineering curriculum. A key highlight was the keynote address delivered by Ts. Syahrul Fithry Bin Senin, exemplifying the growing collaboration between Malaysian and Indonesian institutions in advancing postgraduate education.



Figure 1: Opening session of the workshop hosted by the UNIMAL organizers

2. Workshop Objectives and Leadership

Under the guidance of Dr. Muhammad Daud, Dean of the Faculty of Engineering, the workshop aimed primarily to improve the quality and relevance of UNIMAL's Civil Engineering Master's program. The program was carefully structured to encourage knowledge sharing, featuring presentations from leading academics. Ts. Syahrul Fithry Bin Senin, invited as Keynote Speaker II, contributed significantly by providing insights into contemporary trends in postgraduate engineering education.

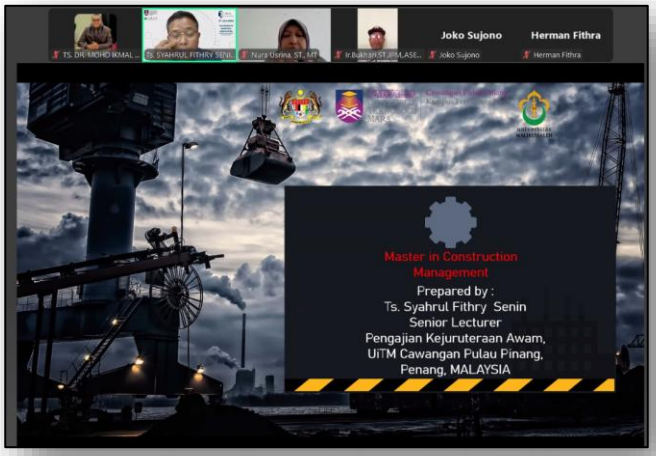

Figure 2: Screen capture of Ts. Syahrul Fithry Senin presenting the existing UiTM Penang postgraduate program (by course mode)

3. Keynote Address: Bridging Theory and Practice

Ts. Syahrul Fithry Bin Senin delivered his keynote from 10:45 to 11:20 (Indonesian time), offering an insightful and forward-looking presentation. His address highlighted essential aspects of curriculum development at UiTM Penang, emphasizing the need to align theoretical academic frameworks with the evolving demands of the global engineering industry. Faculty members and academic planners engaged actively with his presentation, which provided innovative approaches to designing syllabi that foster practical skills, critical thinking, and creativity.



Figure 3: Ts. Syahrul Fithry Senin presenting the workshop content to all participants

4. Advancing Pedagogical Strategies

Recognizing Ts. Syahrul's extensive expertise and technical knowledge, the workshop provided a platform for him to discuss integrating emerging trends into the Master's curriculum. He emphasized the importance of equipping postgraduate students with advanced problem-solving abilities and sustainable engineering practices. The interactive session encouraged dynamic dialogue with moderators and participants, addressing questions on implementing new teaching strategies and enhancing curriculum relevance.

5. Strengthening Educational Partnerships

The workshop showcased a strong spirit of collaboration, reflecting successful models of international academic engagement. Through his contributions, Ts. Syahrul Fithry Bin Senin not only shared knowledge but also reinforced the educational partnership between Malaysia and Indonesia. The event concluded with closing remarks from the organizing committee, reaffirming the commitment to continuous curriculum enhancement and cross-border academic cooperation.

6. Conclusion and Future Implications

The Faculty of Engineering at UNIMAL expressed deep appreciation for the invaluable insights shared by the speakers. The workshop demonstrated the impact of international collaboration on raising educational standards. As UNIMAL implements the revised curriculum, the guidance provided by Ts. Syahrul Fithry Bin Senin is expected to have a lasting influence on cultivating future civil engineering leaders in the region.