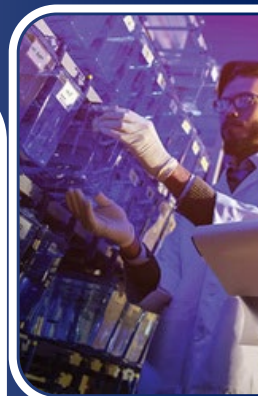


1st EDITION UiTM GLOBAL PENANG Newsletter

GLOBAL INSIGHTS: NAVIGATING UNIVERSALITY WITH UiTM PULAU PINANG



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UiTM Global @ Office of International Affairs,
Academic Affairs Division,
Universiti Teknologi MARA, Pulau Pinang Branch,
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Malaysia.

UiTM Students Embark on Transformative Research Internships in Indonesia: I-RISE 1.0 Program

Mohamed Syazwan Osman

Bandung, Indonesia – August 7 to September 29, 2023, three students from Universiti Teknologi MARA Pulau Pinang Branch embarked on a transformative academic journey through the International Research & Industrial Internship & Attachment (I-RISE) 1.0 Programme at **Institut Teknologi Bandung (ITB), Indonesia**. This eight-week programme, running from 7 August to 29 September 2023, was organised through a collaboration between UiTM Global, UiTM Pulau Pinang Branch, and the Chemical Engineering Studies, College of Engineering, UiTM Pulau Pinang Branch.

The three chemical engineering students—Farisha Nerina binti Sahar, Anis Zuhairah binti Azhar, and Anis Syazwani Salimi—were selected to participate in this prestigious programme aimed at bridging the gap between academic knowledge and practical industrial skills. The initiative provided students with the opportunity to work on cutting-edge research projects in collaboration with leading academics and industry professionals at **ITB**.

The I-RISE 1.0 Program was designed to:

1. Expose students to international work environments and cultures, enhancing cross-cultural competence.
2. Provide hands-on experience with industry-specific technologies and methodologies, particularly in the field of chemical engineering.
3. Enable students to apply theoretical concepts to real-world projects, fostering deeper learning.
4. Facilitate the development of professional networks by connecting students with industry leaders and fellow interns.



Participants conducting experiments in the lab at EBM Scitech.

Throughout the programme, students worked under the guidance of experienced mentors such as Dr Lili Melani and Miss Nia. They engaged in intensive laboratory work, utilising advanced technologies like High-Performance Liquid Chromatography (HPLC) and Vacuum Liquid Chromatography (VLC) to conduct research in chemical separation and analysis. They also explored solvent extraction techniques, working with natural compounds like astaxanthin from microalgae.

In addition to their research, the participants were introduced to the working culture at **ITB** and various partner industries, including EBM Scitech. They gained hands-on experience in real-world industrial projects, applying their academic knowledge to practical challenges faced by the chemical industry in Indonesia. Exposure to advanced equipment and industry-specific practices significantly broadened their skill sets.

The programme also included cultural immersion activities, where the students explored Indonesia's rich heritage while building cross-cultural relationships with their peers from **ITB**. These interactions fostered a deeper understanding of global perspectives and enhanced the students' adaptability to diverse work environments.

I-RISE 1.0 Programme had a profound impact on the participants, enabling them to develop critical skills, including problem-solving, leadership, and cultural sensitivity. According to Farisha Nerina, "This program was an eye-opener. It not only allowed us to advance our technical knowledge, but also taught us how to adapt and thrive in an international setting."

As a result of this internship, the students are now better equipped to pursue careers in the global chemical engineering industry, with an expanded professional network that includes potential employers and research collaborators. The success of this program has set the stage for future collaborations between UiTM CPP and **ITB**, with both institutions committed to fostering more student exchanges and joint research initiatives.



Group photo with fellow interns and EBM Scitech staff in Bandung.



Attended a talk show on 'Capturing the Unseen: The Fusion of Art and Science in Bioimaging Exploration'.



Orientation session with international students at **ITB**.

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