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Research NEWS

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Jabatan Penyelidikan & Inovasi (JPI)
Universiti Teknologi MARA



UiTM Industry Visit to Jambatan Kedua Sdn Bhd (JKSB)

16 April 2025 | Jambatan Kedua Sdn. Bhd. (JKSB), Pulau Pinang



On 16 April 2025, an industry visit was held to Jambatan Kedua Sdn Bhd (JKSB) by academic representatives from Universiti Teknologi MARA (UiTM). The visit involved several lecturers led by Professor Sr. Dr. Zulkiflee Abd Latif, Dean (P&I), College of Built Environment Studies to establish strategic relationships between the academic world and industry, especially in the field of infrastructure and transportation technology.

JKSB is the entity that manages the Sultan Abdul Halim Muadzam Shah Bridge (Penang's second bridge), one of the country's mega infrastructure projects. The visit served as an important platform for bilateral discussions, knowledge transfer and exploration of potential future collaborations. Representatives from JKSB were led by Mr. Hussin Mohammad, Head of JKSB's Operations Division, Ir. Yulinar Bte Ismail, Senior Manager of JKSB's Maintenance Department, Puan Siti Hasliza Abdul Rashid, Manager, Office of the Head of JKSB's Operations Division and Mr. Mohd Najib Abdul Rahman, Head of JKSB's Department & Highways Unit. The UiTM delegation presented the expertise and research potential that can be offered to the industry while the JKSB company shared information related to bridge management operations. The participants were taken to visit the main monitoring room and were shown the use of AI technology and smart cameras. As a result of observation and evaluation, the use of AI technology in the bridge monitoring system was among the most prominent, the monitoring of each bridge structure was carried out systematically and carefully, the efficient and professional bridge management and JKSB's openness to cooperation and human capital development as well as R&D.

This visit has successfully opened up a space for discussion and in-depth understanding of the role of industry in supporting national development, especially in the field of infrastructure. It also proves that collaboration between higher education institutions and the industry sector is very important to address current challenges and ensure sustainable development. UiTM sees this visit as a positive starting point towards closer cooperation, especially in the aspects of joint research, skills training, and technology transfer.

Among the recommendations that have been made from the results of this visit are:

- a. Establish a special team between UiTM and JKSB to explore joint R&D projects.
- b. Organize periodic workshops between academia and industry.
- c. Expanding participation to students.
- d. Detailing areas of expertise from UiTM that can be directly integrated into industry needs.

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



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