

MONTHLY HIGHLIGHT

INSTITUT TEKNOLOGI SUMATERA

Itera Builds Safer Shores Through Global Science

May 06 2026

Protecting coastal communities takes more than early warning systems. It requires strong research, innovation, and collaboration to build infrastructure that can better withstand natural disasters. Through the SUSTAIN (Strengthening Tsunami-Resilient Infrastructure) program, Itera has joined an international initiative supported by UNESCO through the Intergovernmental Oceanographic Commission (UNESCO-IOC).

As one of the program's implementing partners, Itera contributes to risk assessment, field studies, and technical guidelines for tsunami-resilient infrastructure. The collaboration highlights the university's growing role in supporting global disaster resilience while sharing Indonesia's experience in building safer coastal communities.



Opening New Paths for Global Research

May 11, 2026

Great research grows when researchers can connect with new ideas, people, and opportunities. Through German Research Info Day 2026, Itera opened a space for students, lecturers, and researchers to learn about study opportunities, research funding, and academic partnerships in Germany. The event also introduced opportunities offered by DAAD, including scholarships for master's, doctoral, and postdoctoral studies, as well as research collaboration and joint supervision between Indonesian and German institutions.

The discussion went beyond scholarships and study opportunities. Participants also learned about ways to build research networks, improve research outcomes, and connect with researchers and professors from around the world. By creating access to international research networks, Itera is strengthening a research environment that encourages its academic community to explore new ideas, develop stronger collaborations, and contribute to research with wider impact.





Learning Beyond Borders

May 11, 2026



Learning abroad is about more than studying at a different university. It is an opportunity to experience new cultures, discover different ways of learning, and grow as a global citizen. Through the Student Mobility Program 2026 at Universiti Teknikal Malaysia Melaka (UTeM), nine Itera students gained valuable academic and international experience.

By joining hands-on classes and interacting with students from different backgrounds, they developed technical skills, confidence, and a broader perspective. The program reflects Itera's commitment to preparing graduates who are ready to learn, work, and contribute in an increasingly connected world.





Smarter Mobility, Better Citier

May 12, 2026

Better transportation is not only about building new roads, it is also about making public services smarter and easier to use. Through the Smart BRT project, Itera continues to develop technology that supports a more modern and connected public transportation system.

The interest shown by Bank Indonesia Lampung in integrating QRIS Tap, Indonesia's national QR-based payment system, marks an important step toward digital public transport. The initiative highlights how university innovation can grow into practical solutions that improve daily life and support smarter cities.





Digital Care for Stronger Communities



May 15, 2026

Technology becomes meaningful when it improves people's lives. Through the PosyanduKu application, Itera's Informatics Engineering team has developed a digital platform that helps village health workers manage maternal and child healthcare records more efficiently.

Designed to work even without an internet connection, the application makes community health services more organized and accessible. It reflects Itera's commitment to turning research into practical solutions that create a positive impact beyond the campus.

May Reflection

Every story featured this month shares the same message, progress grows through collaboration. From strengthening tsunami resilience with international partners and expanding global research networks to developing innovations that improve transportation and community healthcare, each initiative reflects Itera's commitment to creating knowledge that makes a real difference.

As the world continues to evolve, collaboration remains the key to meaningful innovation. Through education, research, and community engagement, Itera continues to build partnerships, share knowledge, and develop solutions that create lasting benefits for both Indonesia and the global community.

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