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South Lampung, Lampung Province

MONTHLY HIGHLIGHT

INSTITUT TEKNOLOGI SUMATERA

September 01, 2026

Itera Rector Delivers Plenary Lecture at Universiti Malaysia Sabah, Explores International Collaboration



Rector of the Institut Teknologi Sumatera (Itera), Prof. Elfahmi, S.Si., M.Si., served as a plenary speaker at the 9th International Biotechnology Symposium, organized by the Biotechnology Research Institute of Universiti Malaysia Sabah (UMS) on August 26–27, 2026. He presented on the development of natural product-based medicines through biotechnology and standardization, alongside scientists and researchers from various international institutions.



During the visit, Prof. Elfahmi also discussed potential collaboration between Itera and UMS in education, research, and innovation. The proposed initiatives include doctoral study opportunities for Itera faculty members, dual-degree programs, and joint research projects, supporting both institutions' efforts to strengthen international academic collaboration.

September 05, 2026

Itera Volcanologist Warns Public of Health Risks from Anak Krakatau Ashfall

Mount Anak Krakatau (GAK) has been actively erupting since Friday night, September 4, 2026, generating Strombolian-type lava fountains and ash plumes over 500 meters above sea level.

According to the Meteorology, Climatology, and Geophysics Agency (BMKG), the volcanic ash cloud has spread southeast toward Banten and West Java, as well as southwest toward parts of Lampung

Happy Christin Natalia, S.T., M.T., a volcanologist and Geological Engineering lecturer at Institut Teknologi Sumatera (Itera), cautioned that while volcanic ash contains magma elements like silica and aluminum, its main danger lies in its microscopic, sharp-edged particles, which can severely irritate respiratory pathways.



As GAK remains under close monitoring by observation posts due to ongoing explosions and rumbles, Happy urged residents in affected areas to wear masks outdoors, maintain a safe distance per guidelines from the Center for Volcanology and Geological Hazard Mitigation (PVMBG), and rely solely on official updates from BMKG and PVMBG.

September 07, 2026

Itera Monitors Campus Air Quality Amid Anak Krakatau Ashfall

The Environmental Engineering Study Program at Institut Teknologi Sumatera (Itera) has initiated continuous indoor and outdoor air quality monitoring following volcanic ash exposure from Mount Anak Krakatau (GAK). As a safety measure, Itera has suspended in-person classes in favor of online learning and implemented work-from-home (WFH) policies for staff until conditions improve.



According to Itera Environmental Engineering lecturer Novi Kartika Sari, S.T., M.T., initial monitoring indicates that indoor particulate matter (PM2.5 and PM10). has reached unhealthy levels, with outdoor particulate levels expected to show similar trends upon final laboratory analysis.

While gaseous parameters (SO_2, NO_2, CO, CO_2) currently remain within safe limits for acute impact, overall air quality has deteriorated noticeably compared to normal baseline levels. .

Given that volcanic ash is a natural pollutant, Novi stressed individual mitigation urging the campus community and the public to wear protective masks outdoors, minimize unnecessary outdoor activity, and follow government safety guidelines as monitoring continues.



Itera Physics Establishes Research Collaboration with CRiES, University of Tsukuba, Japan

The Sumatra Institute of Technology (Itera), through the Physics Study Program of the Faculty of Science, has strengthened its research collaboration with the Center for Research in Radiation, Isotopes, and Earth System Sciences (CRiES) at the University of Tsukuba, Japan, by signing an Implementation Agreement (IA) on Wednesday, September 23, 2026.

The partnership focuses on advancing research in geothermal energy, isotopes, and geosciences, as well as enhancing the capacity of both faculty members and students.





The signing ceremony was attended by the Dean of the Itera Faculty of Science, Dr. Meezan Ardhanu Asagabaldan, S.Psi., M.Si.; the Coordinator of the Undergraduate Physics Study Program, Dr. Tri Siswandi Syahputra, S.Si., M.Si.; the Coordinator of the Master's Physics Study Program, Dr. Deska Lismawenning Puspitarum, S.Si., M.Sc.; Ir. Rofiqul Umam, M.Sc., Ph.D.Sc.; as well as other faculty members and participants. This IA was signed by Itera's Faculty of Science and Physics Study Program as a follow-up to a research collaboration that has been ongoing since 2025. The partnership encompasses research on geofluids, isotopes, environmental radioactivity, and radiogenic geothermal systems.

Itera Ranks Second Nationally Among the Most Sustainable Higher Education Institutions

September 16, 2026

The Sumatra Institute of Technology (Itera) ranked second among Indonesia's most sustainable State Universities (PTN) classified as "Work Units" (Satker) in the 2026 UI GreenMetric Indonesia rankings.



The award was accepted by Itera Rector Prof. Dr. apt. Elfahmi, S.Si., M.Si., accompanied by the Head of the Institute for Research and Community Service (LPPM),

Ir. Arif Rohman, S.T., M.T., Ph.D., and the Head of the Itera SDGs Center, Dwi Bayu Prasetya, S.T., M.T., during the 2026 UI GreenMetric Indonesia awards ceremony held at Graha Sabha Pramana, Universitas Gadjah Mada (UGM), Yogyakarta, on Tuesday, September 15, 2026.



This achievement continues Itera's track record in sustainable campus rankings. In 2025, Itera received the award for the Most Sustainable University in Indonesia in the category of Spatial Planning and Infrastructure. That award recognized Itera's efforts to develop and manage its campus grounds by prioritizing sustainability principles, particularly regarding spatial planning and infrastructure development.

September 28 , 2026

Itera Physics Study Program Holds Research Management Workshop with International Partner The Physics Study Program at Institut Teknologi Sumatera



Itera held a Workshop on Research Management & International Collaboration on Wednesday, September 23, 2026. Featuring Ir. Rofiqul Umam, M.Sc., Ph.D.Sc., from the University of Tsukuba, Japan, the workshop focused on strategic research management, directional planning, and building global academic networks.



Head of the Physics Study Program, Dr. Tri Siswandi Syahputra, S.Si., M.Si., emphasized that the event provided a platform for lecturers to enhance research quality and explore joint international initiatives. Part of the Ministry of Higher Education, Science, and Technology's (Kemdiktisaintek) Program Diaspora Berdampak 2026, the session facilitated discussions on overcoming research challenges, expanding academic networks, and laying the groundwork for ongoing research collaboration between Itera and the University of Tsukuba.

Grey September

September began under a grey sky. When Anak Krakatau erupted and its ash drifted toward Lampung, Banten, and West Java, the whole month seemed to turn grey. At Institut Teknologi Sumatera (Itera), grey became a reason to act. Itera's volcanology expert helped the public understand the risks of ashfall and stay safe, from wearing masks to relying on official updates. Beyond the ash, Itera kept building a brighter horizon: the Rector's international engagements at Universiti Malaysia Sabah and Kanazawa University, and a formalized research collaboration with the University of Tsukuba. The month closed with second place nationally in the 2026 UI GreenMetric Indonesia rankings, a reminder that even in a grey September, Itera keeps growing greener.

-HUMAS ITERA-