



ITB NEWSLETTER

VOLUME 001 / JULY 2026

ITB Faculty–Student
Collaboration Leads
to International
Publication with
Nobel Laureate’s
Research Group

ITB-Tsinghua
Strategic
Research
Partnership

ITB and Boeing
Launch BUILD for
Aerospace
Innovation



**AVA, ITB’s Autonomous
Vehicle Innovation for
Indonesia’s Technological
Independence**

FIRST EDITION

Message from The Rector



Dear Partners and Colleagues,

Welcome to a new edition of Institut Teknologi Bandung (ITB) Newsletter, offering a closer look at ITB's work in education, research, innovation, and global collaboration.

Established in 1920, Institut Teknologi Bandung is Indonesia's premier university in science, technology, engineering, arts, and mathematics, with a longstanding commitment to research, innovation, and global collaboration. Guided by our motto, *In Harmonia Progressio*—Progress in Harmony—we work to transform knowledge into meaningful solutions for national and global challenges.

This newsletter highlights ITB's latest developments in education, research, innovation, and international partnerships. The stories featured in this edition reflect our commitment to developing global talent, advancing scientific discovery, and creating real-world impact through collaboration across universities, industry, government, and research institutions.

We hope this newsletter offers a closer view of ITB and opens new opportunities for collaboration with our partners in Indonesia and around the world.

Thank you for being part of ITB's global network. We look forward to creating a greater impact together.

Prof. Dr. Ir. Tatacipta Dirgantara, M.T.

Rector

Institut Teknologi Bandung



ITB Newsletter Management Team

Steering Committee

1. Dr. A. Rikrik Kusmara, S.Sn., M.Sn.
2. Prof. Ir. Lavi Rizki Zuhail, Ph.D.
3. Prof. Dr.Eng. Suprijadi, M.Eng.

Chair

Winnie Wulandari, S.T., Ph.D.

Editorial Content Management Team

1. Dr. N. Nurlaela Arief, MBA., IAPR.
2. Dr. Grandprix Thomryes Marth Kadja, M.Si.
3. Melia Famiola, S.T.P., M.T., Ph.D.
4. Dr.Eng. Isty Adhitya Purwasena, S.Si., M.Si.
5. D.Sc.(Tech.) Ir. Imam Santoso, S.T., M.Phil.
6. Dr.rer.nat. David Prambudi Sahara, S.T., M.T.
7. Prananda Luffiansyah Malasan, S.Ds., M.Ds., Ph.D.

Information Technology Management Team

- Dr.techn. Ir. Arief Hariyanto
- Achmad Imam Kistijantoro, S.T., M.Sc., Ph.D.
- Wijaya Kusuma, S.Sn.
- Wahyuna Tunggal Rahayu, S.Kom.

Media Management Team

- Margareth Tobing, S.IP., MBA.
- Vera Citra Utami, S.Hum.
- Muhammad Sajid Dzaky, S.Hum.

Content Team

- Anggun Nindita Kenanga Putri, S.Psi.
- Muhammad Naufal Hafizh
- Ferdiansyah Poernama, A.Md.
- Awal Wahyu Rahmadi, S.Ds.

Graphic Designer

Mega Aulia Insani, S.Ds.

Distribution Team

1. Dini Sofiani Permatasari, S.Si., M.T.
2. Lia Amelia Tresna Wulan Asri, S.Si., M.Si., Ph.D.
3. Fathatus Sania Noer, S.S.
4. Faradinda Noor, S.Sn., MBA.

Information Technology Management Team

- Dr.techn. Ir. Arief Hariyanto
- Achmad Imam Kistijantoro, S.T., M.Sc., Ph.D.
- Wijaya Kusuma, S.Sn.
- Wahyuna Tunggal Rahayu, S.Kom.
- Muhammad Efriza Pandia, S.T.

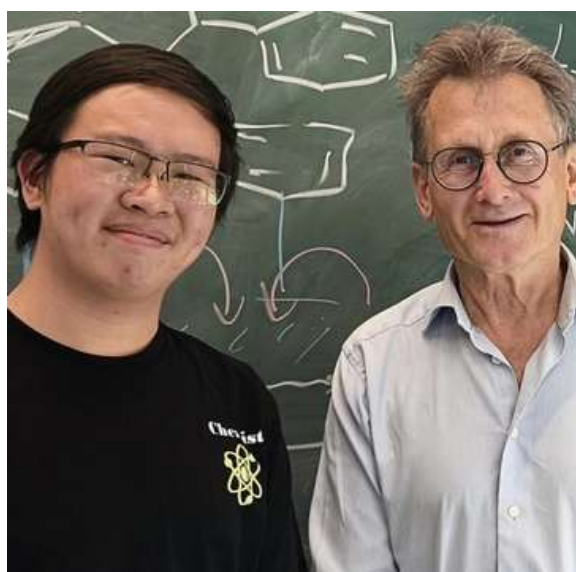
GLOBAL COLLABORATION



ITB-Tsinghua Strategic Research Partnership



ITB and Tsinghua University have strengthened their strategic partnership through the signing of a Research Collaboration Agreement, paving the way for joint research in energy and sustainability, health, urban and regional planning, and public policy. The collaboration encompasses joint research funding, faculty and student exchanges, stronger international publications, intellectual property management, technology commercialization, and industry partnerships, with the shared goal of developing innovative solutions to global challenges. Under this research collaboration scheme, Tsinghua University selects only one institutional partner in each country, with ITB chosen as its sole partner in Indonesia. [Click here.](#)



ITB Faculty–Student Collaboration Leads to International Publication with Nobel Laureate’s Research Group



ITB Chemistry student Deryl Hendson Limawan became the first author of a paper published in *Chemistry – A European Journal* through collaboration with Nobel laureate Prof. Ben L. Feringa’s research group at the University of Groningen. The research transformed Indonesian natural compounds into photoresponsive molecular derivatives with potential applications in smart materials, electronic displays, and medical sensors, while strengthening ITB’s expertise in advanced organic synthesis and international research. [Click here.](#)

French Ambassador Honors ITB Vice Rector for Advancing Education and Cultural Collaboration



Dr. Andryanto Rikrik Kusmara, Vice Rector for Communication, Partnerships, Alumni Relations, and Administration at ITB, has been awarded the Chevalier dans l'Ordre des Palmes Académiques, one of the French Government's highest distinctions in education and culture. Conferred by the French Ambassador to Indonesia, the honor recognizes his longstanding contributions to education, the arts, cultural diplomacy, and the strengthening of academic and institutional partnerships between Indonesia and France. The award also reflects ITB's growing international engagement and commitment to fostering global collaboration in higher education, research, and cultural exchange. [Click here.](#)

AVA, ITB's Autonomous Vehicle Innovation for Indonesia's Technological Independence



AVA is an autonomous electric vehicle developed by ITB in collaboration with national industry partners to advance Indonesia's technological independence. Powered by AI-based computer vision and adaptive camera technology, AVA offers a more affordable alternative to conventional autonomous vehicles that rely on LiDAR sensors. Designed for applications in airports and industrial areas, the vehicle demonstrates reliable autonomous navigation, obstacle detection, and advanced safety features, highlighting the potential of academia-industry collaboration to drive sustainable transportation innovation in Indonesia. [Click here.](#)



ITB and Boeing Launch BUILD for Aerospace Innovation



ITB and Boeing launched the Boeing University Innovation Leadership Development (BUILD) Indonesia 2026 program to connect students, young alumni, and start-ups with the global aerospace industry. Through workshops, mentoring, boot camps, and idea incubation, the program supports the development of industry-driven solutions while strengthening leadership, collaboration, and Indonesia's aerospace innovation ecosystem. [Click here.](#)

SITH ITB Innovates High-Yield Ectoine Prototype for Healthcare Independence



The School of Life Sciences and Technology (SITH) ITB research team, led by Prof. Fenny Martha Dwivany, Ph.D. and Dr. Husna Nugrahapraja, has developed a new way to produce Ectoine, an ingredient widely used in skincare and healthcare products to protect cells from heat, dryness, and UV exposure. [Click here.](#)



ITB and Université Paris-Saclay Strengthen Double Degree Partnership for Global Talent Development

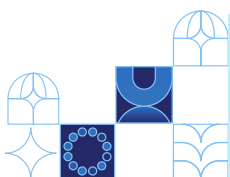


ITB and Université Paris-Saclay have established a strategic double degree collaboration designed to integrate academic excellence, international research, and industry experience. The partnership provides students with opportunities to pursue interdisciplinary education, participate in collaborative research, and gain hands-on industrial exposure through an international learning environment. By combining the strengths of both institutions, the initiative aims to develop globally competitive graduates, expand research collaboration, and reinforce ITB's commitment to advancing international partnerships in higher education and innovation. [Click here.](#)

Singapore Ambassador Shares Insights on Global Talent



Institut Teknologi Bandung (ITB) hosted The Ambassador Talks featuring Singapore's Ambassador to Indonesia, H.E. Kwok Fook Seng, who encouraged students to prepare as global talent by strengthening interdisciplinary skills, embracing innovation, and building expertise in strategic sectors such as renewable energy, artificial intelligence, data analytics, sustainability, and the digital economy. The session also highlighted expanding opportunities for academic collaboration, research, student mobility, internships, and career development between Indonesia and Singapore, while reinforcing ITB's long-standing partnership with Singaporean institutions and its commitment to developing globally competitive graduates. [Click here.](#)



ITB NEWSLETTER
VOLUME 001/JULY 2026

Connect With Us
website: itb.ac.id
Instagram: [itb1920](https://www.instagram.com/itb1920)



ITB NEWSLETTER

VOLUME 001 / JULY 2026