

point



Breaking into a World Class University through SDGs

Supporting the SDGs Program, ITS Sets Sights on the World's Top 300

ITS On Patriot Expedition 2025 for Sustainable Development Program

Strategies of ITS Students in Building International Eco-Friendly Startup



.pdf Version



flipHTML Version

ITS *point*

Breaking into a World Class University through SDGs

Editorial Address:

Unit of Public Communication ITS,
Rectorate Building Lt. 1,
Surabaya City, East Java 60111

Phone : +62 811-3055-3555

Email : humas@its.ac.id

Table of Content

| | |
|--|-----|
| Table of Content..... | ii |
| Greetings from Editorial Team..... | iii |
| Editorial Board..... | iv |
| Remarks by Rector ITS..... | 01 |
| Supporting the SDGs Program, ITS Sets Sights on the World's Top 300..... | 03 |
| Accelerating a World-Class Research Ecosystem at the Campus of Heroes..... | 07 |
| Returning to Make Impact, Graduates Elevate ITS Globally..... | 11 |
| ITS Green Pathway Toward a Sustainable Campus Culture..... | 15 |
| Empowering SDGs, ITS Reaches a New Milestone as a World-Class University..... | 19 |
| ITS On Patriot Expedition 2025 for Sustainable Development Program..... | 23 |
| Highlights of ITS Synergy and Transformation in 2025..... | 27 |
| A Gentle Path to Global Excellence..... | 31 |
| Enhancing ITS Human Resource Capacity in Pursuit Global Recognition Aligned with the SDGs..... | 33 |
| A Look at the Journey of Almas Zafar, the ITS International Student..... | 37 |
| From Campus to Global Market: Strategies of ITS Students in Building International Eco-Friendly Startup..... | 41 |
| The Cross-Border Career Journeys of Two ITS Alumni..... | 45 |
| ITS Endowment Fund Raises from Donation Campaign to More Equitable Education..... | 51 |
| Global Achievements of ITS Research Teams through Sustainable Innovation..... | 57 |
| ITS Aspirations for Greater Sustainable Impact in 2026..... | 65 |
| Patriotism through Innovation, ITS as a World Class University in Action..... | 69 |
| Editorial Profile..... | 71 |

Greetings from Editorial Team

Hello, civitas ITS!

It is remarkable how, since its establishment in 1960, **Institut Teknologi Sepuluh Nopember (ITS)** has taken a long and transformative journey, marked by various strategic leaps in strengthening its position as a World Class University (WCU). This commitment is reflected in ITS's dedication to the 17 Sustainable Development Goals (SDGs), realised through the provision of higher education that is relevant to contemporary needs, globally competitive, and sustainability-oriented.

Through this 21st edition of **ITS Point Magazine**, we invite readers to follow ITS's journey towards WCU status through the implementation of programmes and strategies rooted in the SDGs. Beyond highlighting what has been achieved, this edition also explores ITS's future direction by strengthening research, improving human resources, expanding alumni networks, and promoting environmentally friendly and sustainable lifestyles.

Guided by the principle of sustainability, we hope that the messages conveyed in this edition will have a broad and lasting impact in the future. We also hope that each article in this edition will inspire readers to create positive change and accompany ITS in building a better and more sustainable future for all.

Best Regards,
Editorial Team
Unit of Public Communication ITS



Editorial Board

Advisor

Rector

Bambang Pramuji

Editorial Advisor

Secretary of the Institute

Prof Dr Ir Umi Laili Yuhana SKom MSc

Editor-in-Chief

Head of Unit of Public Communication

Yuni Setyaningsih SKPm MSc

Managing Editor

Head of Subunit of Public Relations and Institutional Image

Hafidz Ridho ST MSc MBA

Coordinating Editor

Fauzan Fakhrizal Azmi SSi

News Coordinator

Muhammad Aulia Zikra

Layout and Cover Designers

Fauzan Fakhrizal Azmi SSi

Photographer

Syahidan Nur Habibie Ash-shidieq

Pratino Aditya Tama SHum

Proofreader

Indah Tri Sukmawati SSos

Fauzan Fakhrizal Azmi SSi

Putri Pratama Ohorella SHum

M Bagas Pramudya Pratama ST

Editor

Aghnia Tias Salsabila

Gandhi Kesuma

Lathifah Sahda

Mifda Khoirotul Azma

Mohammad Febryan Khamim

Muhammad Aulia Zikra

Muhammad Fadhil Alfaruqi

Nabila Hisanah Yusri

Shafa Annisa Ramadhani

Thariq Agfi Hermawan

Reporter

Ahmad Husein Al Qomary

Ahmad Naufal Ilham

Aulia Okta Wijaya

Bella Ramadhani

Harri Raditya Ardianto

Mohammad Fariz Irwansyah

Muhammad Rafi Ardiansyah

Nadhifa Raghda Syaikha

Naurah Fitri

Syahidan Nur Habibie Ash-shidieq

Remarks by Rector ITS

Bambang Pramujati



Assalamualaikum Wr. Wb. May Peace Be Upon Us

All praises to the Almighty God for the abundance of grace, safety, and health that are always given to us. Entering 2026, ITS places sustainability, impactful research, and global collaboration as the cornerstones of its institutional transformation. In this new chapter, let us make this moment a starting point to manifest our goals by strengthening the commitment of the Institut Teknologi Sepuluh Nopember (ITS) in carrying out the Tri Dharma Perguruan Tinggi mandate and realising the vision of becoming a world-class university.

In recent times, we have collectively navigated numerous challenges and shifting dynamics that shape the progress of higher education in this global era. Thanks to the dedication and synergy of our entire academic community, ITS continues to uphold its position as a prominent institution in science, technology, and innovation in Indonesia. Our resilience and capacity to adapt have become vital strengths in preserving educational excellence and broadening ITS's impact on society and the nation.

This commitment is further manifested in ITS's active engagement in advancing the achievement of the Sustainable Development Goals (SDGs) as the global development agenda toward 2030. Through a range of sustainability-oriented strategies, policies, and programmes, we endeavour to generate impactful contributions to inclusive national development toward a sustainable future.

The principle of Sustainable Development constitutes a critical foundation for every course of action we pursue. Development is directed not only toward fulfilling present needs, but must also be undertaken in a responsible manner that does not compromise the capacity of future generations to meet their own. This

value is continuously internalised and operationalised across our ecosystems of education, research, innovation, and community engagement.

Aligned with our institutional vision, enhancing the implementation of the SDGs represents a strategic endeavour to reinforce ITS's position as a World Class University. This undertaking not only broadens our academic and societal impact, but also consolidates our global standing through excellence in research, collaborative partnerships, and governance that adheres to international standards. Through sustained consistency and a collective commitment, we strive to safeguard ITS's status as a competitive, relevant, and widely recognised institution in the global arena.

Therefore, I aspire that every action we undertake today will generate lasting, sustainable benefits for the future. As we enter this new year, let us reaffirm our commitment to further advancing education, research, and innovation on this esteemed campus with unwavering enthusiasm and determination. With collective commitment and sustained consistency, ITS will continue to advance as an institution that not only excels academically, but also delivers meaningful impact for society and the global community.

Vivat! Hidup ITS, Hidup ITS, Hidup ITS!

Wassalamualaikum Wr. Wb.

Warm Regards,
**Rector of ITS
Bambang Pramujati**

Supporting the SDGs Program, ITS Sets Sights on the World's Top 300

This Article Supports Numbers of Sustainable Development Goals 



The efforts of Institut Teknologi Sepuluh Nopember (ITS) to take on the international stage have become increasingly massive through various flagship World Class University (WCU) programs. Under the leadership of ITS, the 13th Rector Prof Dr (HC) Ir Bambang Pramujati ST MScEng PhD, the Campus of Heroes has recorded numerous outstanding achievements. Many well designed programs have produced impressive results and accelerated ITS progress towards the World's Top 300 universities.

Therefore, Rector Bambang, commonly known as “BP”, emphasizes that rankings are not the sole focus. He encourages the entire ITS community to work together in supporting ongoing sustainability-based programs. He believes that the success of these initiatives will create broader opportunities for collaboration with national and international partners. “As the impact of our work reaches wider audiences, higher rankings will follow naturally,” he said.



Concrete Steps Toward Sustainability

ITS directs its research activities toward sustainable innovations and solutions that address societal needs. This direction aligns with the role of research centers under the Directorate of Research and Community Service (DRPM) ITS, which promotes research with real impacts. Through this ecosystem, ITS reinforces its position as a WCU that creates tangible impact. “ITS pushes for research results to extend beyond the laboratory so society can truly feel the benefits,” BP added.

These efforts are also reflected in programs supporting the Sustainable Development Goals (SDGs), including SDG 4 on Quality Education. One example is the initiative by the Faculty of Intelligent Electrical and Informatics Technology (F-ELECTICS), which organized the 1,000 artificial intelligence (AI) Ambassadors Training for students across Surabaya. The program aims to broaden understanding and responsible use of AI in participating schools.

ITS also contributes to SDG 17 on Partnerships for the Goals through its collaboration with the East Java Provincial Education Office. The Double Track Program broadens high school student's exposure to practical, advanced technology skills. In this program, ITS serves as an academic partner, providing guidance to students and teachers in technical skills and digital literacy.

The university also plays a role in achieving SDG 13 and SDG 15, being Climate Action and Life on Land. This commitment is seen in ITS reforestation efforts through the Gugur Gunung program led by ITS Smart Eco Campus. “This year, ITS collaborated with the Surabaya City Government and the East Java Provincial Government to plant 2,100 trees,” BP explained.

To monitor progress, ITS regularly measures the campus energy and water use. The university also implements water recycling and utilizes solar panels as a source of clean energy. Improved pedestrian pathways have been added to encourage walking, while electric vehicles have been reintroduced as a greener transportation option on campus.

Strengthening Global Reputation

In its institutional management, ITS consistently upholds transparency and accountability as the foundation of public trust. The university ensures that its processes remain open, relevant, and adaptive to changing times. With many connected partners, improving services and maintaining integrity are key to building a strong and lasting institutional image.

This commitment to openness also strengthens ITS visibility on the international stage. The man, born on December 3rd 1969, highlights that transparency and good service are essential to building the university's reputation. Through the presence of



international students, ITS leverages word of mouth strategies to amplify positive recognition. ITS also continues to extend its network by providing financial support to postdoctoral researchers who pursue research opportunities abroad.

Maintaining global reputation is an important step toward entering the World's

Top 300. This commitment is evident in various international collaborations, including a partnership with Saint Petersburg State Maritime Technical University to develop hydrofoil fast boats, reflecting ITS' contribution to SDG 9 on Sustainable Industry. "ITS will continue to pursue other international partnerships to strengthen the university's reputation," BP said.



Advancing Forward with New Optimism

ITS current ranking of 509 in the Quacquarelli Symonds World University Ranking (QS WUR) is a vital stepping stone for the university, established in 1960, to continue moving forward. Through governance, environmental, and social programs aligned with the SDGs, ITS views this ranking as both an evaluation tool and a positive indicator of its progress. "It also reflects the promising direction of our university's future," said the man who was born in Yogyakarta.

This ITS Mechanical Engineering alumnus also stresses that the ranking advancement must go hand in hand with bolstering internal processes. These improvements will be directly experienced by ITS graduates as they enter the professional world. The more ITS alumni excel and are absorbed into industry, the stronger the university's Employment Outcomes (EO)

score in the QS WUR, which contributes in elevating its ranking.

As ITS continues to build a strong international reputation, its works and research are expected to gain more recognition, paving the way for innovation, collaboration, and internationalization. Ultimately, these advancements will return as real benefits to society. "Rankings, reputation, and real impact must always progress together in every step ITS takes," concluded the ITS Mechanical Engineering Professor. **(ary/ann)**

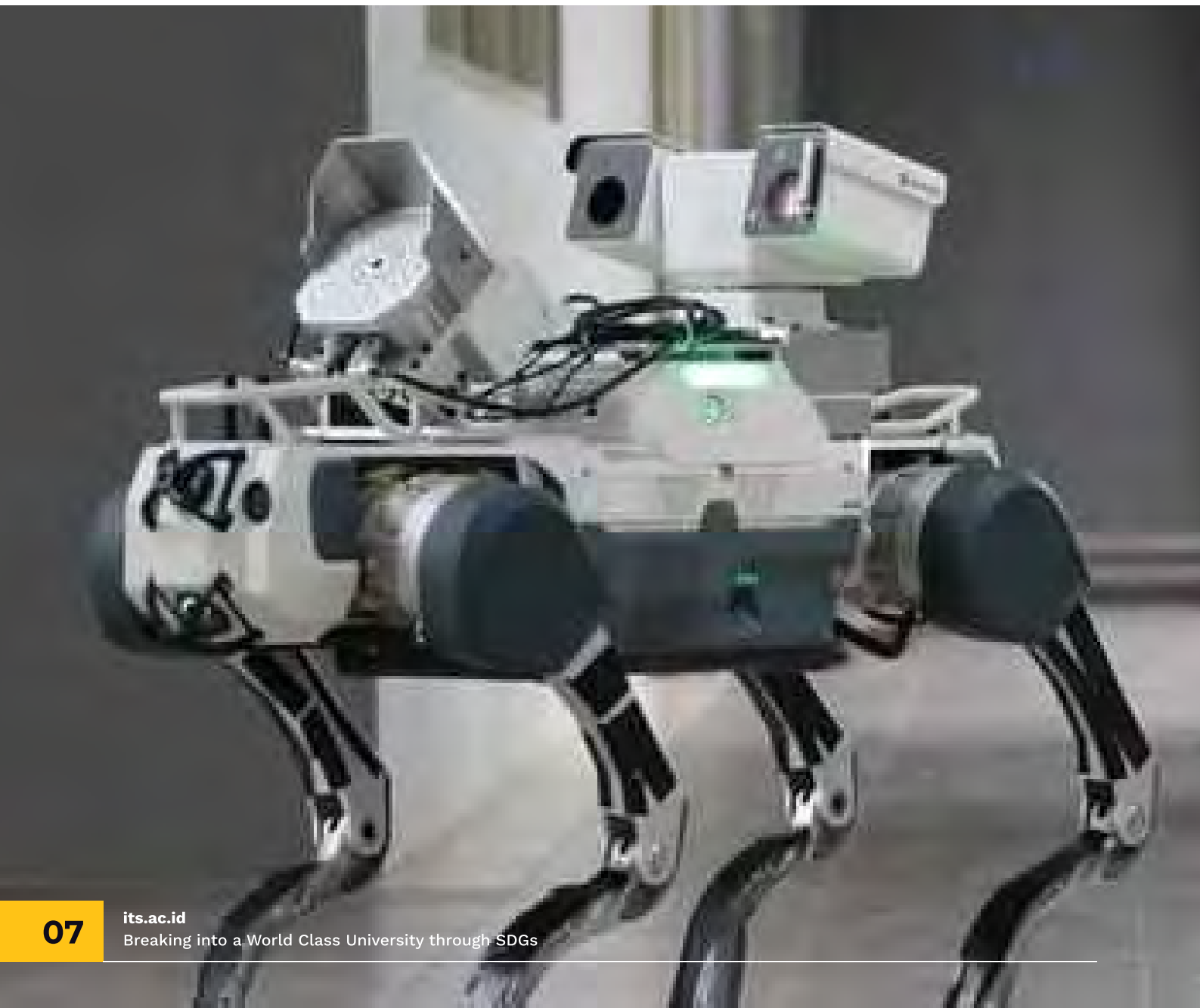


Accelerating a **World Class Research** Ecosystem at the Campus of Heroes

This Article Supports SDG 4 and SDG 9
Quality Education; Industry, Innovation and Infrastructure



The commitment to becoming a Research and Innovative University by 2030 underpins the efforts of the Institut Teknologi Sepuluh Nopember (ITS) to become a World Class University (WCU). To build this international reputation, the institute is primarily pursuing the research acceleration that is oriented towards global impact and reputation.



Mapping the ITS Research Strategy

The ITS Vice Rector for Research, Innovation, Cooperation, and Alumni Prof Agus Muhamad Hatta ST MSi PhD stated that the key requirement to global reputation is research excellence. Therefore, the research campus is committed to finalizing the ITS Strategic Plan 2026–2030 to elevate its research capabilities to the next level. “We aim not only to excel in the development of science, but also to create a broad impact on society,” said the lecturer, familiarly known as Hatta.

As a step to maintain the institution's image on the international stage, Hatta conveyed that ITS is working to strengthen the foundations of science, technology, and art, which have long been the hallmarks of the Campus of Heroes. This effort is realized through the mapping of ITS research directions into four primary industrial clusters. These clusters include maritime, automotive, information communication technology (ICT) and robotics, as well as the creative industry.

In line with the four priority clusters, the Professor of Optical Instrumentation Science explained that ITS has prepared various strategic steps to accelerate the achievement of WCU targets. These strategies are encapsulated in several pillars to ensure research implementation is effective and targeted. “These pillars include strengthening human resources (HR), partnerships, funding strategies, and focusing on research themes,” he stated.



ITS Research Strategic Pillars

The first pillar of the ITS research strategy, Hatta added, focuses on strengthening HR by developing the quality and quantity of researchers. This development is executed through research competency training for lecturers and an increase in the number of postgraduate students and postdoctoral researchers. "This step is expected to foster a research culture of excellence and integrity," said the lecturer from the ITS Department of Engineering Physics.

According to Hatta, the research excellence of this campus is oriented toward various critical global issues. These include climate change, artificial intelligence, cyber security, maritime affairs, food independence, energy security, and industrial downstreaming. Therefore, focusing on research themes has become a strategic pillar included in the ITS Research

Roadmap 2025-2029.

On the other hand, the expansion of partnerships and incentives also serves as a pillar for strengthening research at ITS. For Hatta, Indonesia's comparative advantages or local wisdom can attract the interest of global partners, including high-profile collaborators. Through these advantages, ITS continuously encourages its researchers to actively secure funding from various sources.

In addition to relying on external funding sources, ITS internally provides incentives for researchers who successfully publish their work. This initiative aims to enhance both the productivity and quality of ITS publications. "Currently, ITS publications are predominantly in the Q1 and Q2 quartiles," Hatta revealed.



Building a World Class Research Ecosystem

The existence of research at ITS has been further strengthened since it was selected as one of seven state universities in Indonesia to receive Enhancing Quality Education for International University Impact (EQUITY) funding. This funding from the Indonesia Endowment Fund for Education Agency (LPDP) provides additional ammunition for ITS to accelerate the achievement of WCU status, including building a world-class research ecosystem.

In managing the funding, the Coordinator for Research and Innovation of the EQUITY Program, Prof Ir Murni Rachmawati MT PhD, explained that there are two directorates managing this funding. First, the Directorate of Research and Community Service (DRPM) at ITS acts as the manager and facilitator of research activities. Meanwhile, the Directorate of Innovation and Science Techno Park (DIKST) ITS specifically handles innovation and patents.

The established research culture at ITS has further driven the optimal use of this funding, evidenced by the high enthusiasm of the academic community. Murni reported that out of 470 research submissions, 260 proposals were accepted. “To ensure the accountability and commitment of ITS researchers, the publication output standard must be Q1 or Q2,” she stated.



A Concrete Manifestation of Research Strengthening

Beyond setting high standards, Murni emphasized that discipline is also applied to researchers who receive this funding. Researchers are given a one-year deadline to ensure that their papers have been submitted and reviewed by target journals. This strictness is implemented to ensure that ITS researchers produce the best work that is impactful and sustainable.

Despite the strict targets, the ITS Professor of Architecture emphasized, the main essence of this program is the development of an integrated and sustainable research ecosystem. This program also requires the involvement of students, from undergraduate to doctoral degrees. “Students not only serve as assistants, but also contribute to research which comes to be a platform for knowledge transfer between academicians,” she said.

Moreover, the overall research enhancement initiative is not only oriented toward ranking metrics. Murni highlighted that every research proposal must have a strong connection to the Sustainable Development Goals (SDGs) to provide real solutions on global issues. This aligns with the grand vision of ITS to ensure that the innovations produced remain grounded and have a broad impact. **(dan/feb)**

Returning to Make Impact, Graduates Elevate ITS Globally



This Article Supports SDG 16 and SDG 17
Peace, Justice and Strong Institutions; Partnerships for the Goals



“Returning home is not just about reminiscing, but bringing provisions for the future of the institution.”

The journey to becoming a world-class university is not a one-way trip. For Institut Teknologi Sepuluh Nopember (ITS), the vision of becoming a World Class University (WCU) is a long journey that can't be undertaken alone. This success depends on a cohesive ecosystem built through cooperation between the academic community, government, industry, and alumni.

The Chairman of the ITS Alumni Association (PP IKA) Ir Wiluyo Kusdwiarto ST MBA IPU ASEAN Eng emphasized that alumni involvement is not merely a matter of alma mater romanticism. This commitment is an effort to create transformative synergy. “Our contribution doesn't stop at nostalgia, but rather concrete actions in supporting ITS to excel globally,” he emphasized.

This principle was then translated into the IKA ITS 2025 work program, which focuses on three main pillars. These pillars include strengthening networks, expanding contributions to the institution and the nation, along with social empowerment. All of these initiatives are designed as part of a larger ecosystem that supports ITS's vision of becoming a WCU.

Weaving Connections, Empowering Graduates

As the foundation of collective contribution, Wiluyo explained that IKA ITS places strong emphasis on strengthening the alumni network spread across the country and abroad. Regional development, department commissariats, and professional networks help identify alumni potential in a more organized way. This effort also aligns the direction of contributions to be more coordinated.

Networking is also strengthened through communities based on expertise and interests, such as the ITS Alumni Entrepreneurs Association (HIPA) and the ITS Alumni Golf Association (PGA). These forums help alumni with similar competencies to work together in a more coordinated manner. “In this way, various initiatives can be carried out in a more coordinated manner,” added the ITS Mechanical Engineering Department alumnus.

Wiluyo said that the need to expand the network is increasingly essential as IKA ITS seeks to reach alumni in various countries. This dispersion requires a different strategy compared to networking domestically. Therefore, IKA ITS (IKA ITS Luar Negeri) focuses its work program on four pillars, namely Showcase, Career Development and Transition, Strategic Collaboration and Community and Development.

Through showcase program, alumni and students are given a space to introduce their work, research, and professional reputation to the public. Meanwhile, Career Development and Transition program offers career assistance through mentoring and skills development for alumni. “Especially for alumni who are preparing to enter or switch to a professional career abroad,” added the man born on July 25th, 1971.

The two remaining pillars work together to strengthen collaboration and unity. Strategic Collaboration program acts as a platform for academic and professional diplomacy through research collaboration, international lectures, and memorandum of understanding (MoU) explorations with various institutions and embassies. Meanwhile, Community and Development program maintains relationships between alumni through community networks and cross-border seminars.

Responding to global challenges, IKA ITS also introduced Alumni Data Management (MIDA), a digital platform that compiles databases and serves as a center for collaboration. Through MIDA, mapping global alumni profiles, developing industry networks, and fundraising can be done more quickly and in an integrated manner. “This is to ensure that the full potential of alumni can be mapped and utilized optimally,” said Wiluyo.



Advancing Exceptional Graduate Careers

Furthermore, this Jakarta native shared that IKA ITS understands that strengthening networks must go hand in hand with improving the quality of graduates. The industry network owned by alumni is a gateway to accelerating the downstreaming of campus research so that it is more relevant to the industrial sector. Programs such as Alumni-Industry Innovation Grants and 100 Industry Problems for ITS bring together the needs of industry with the research potential of ITS.

To strengthen global competitiveness, IKA ITS also presents the Alumni Talent Accelerator, which is talent development that includes mentoring, industry immersion, and soft skills development. The 1,000 Alumni Mentors for ITS movement reflects the dedication of senior graduates in providing professional guidance to students and new graduates. “This intergenerational collaboration is the great strength of the ITS alumni community,” he added.

All of these initiatives have strengthened ITS's position in terms of employability indicators. Graduates are better prepared to face global challenges, while industry gains more competent talent. When excellent human resources are developed, their contributions flow back into national development and strengthen the nation's competitiveness.



Social Empowerment and Sustainable Impact

For Wiluyo, the role of alumni should not end at the campus gates. The collective strength of thousands former students needs to be channeled into addressing social, economic, and environmental issues. Through collaboration with the ITS Manarul Ilmi Foundation (YMI), IKA ITS runs various social programs, including the construction of bore wells, renovation of uninhabitable houses, and support for MSMEs.

This program runs through cross-generational collaboration, from field assessments to post-implementation assistance. This step ensures sustainable and widespread results. “Each program targets basic needs so that the community has a more stable foundation for life,” explained Wiluyo.



Through strategic synergy, flagship programs that empower students and alumni have become pillars supporting ITS's journey toward becoming a WCU. These efforts provide a strong impetus for campus transformation and community development. With increasingly mature collaboration, IKA ITS has not only solidified its role as a strategic partner of its alma mater, but also as a driving force for sustainable national development. **(nor/ash)**

ITS Green Pathway Towards a Sustainable Campus Culture

This Article Supports SDG 7 and SDG 13
Affordable and Clean Energy; Climate Action



Renowned as a leading technological university located in the heart of Surabaya's bustling metropolitan area, Institut Teknologi Sepuluh Nopember (ITS) reaffirms its strong commitment to cultivating a green and sustainable campus environment. This commitment is operationalized through a series of policies anchored in the principles of the Sustainable Development Goals (SDGs) and the smart eco-campus paradigm.

Head of the ITS SDGs and Smart Eco Campus Unit, Danar Guruh Pratomo ST MT PhD emphasized that environmental issues have long been one of the university's key priorities. Over the years, ITS has continuously strengthened its dedication to environmental sustainability. This commitment is reflected through various eco-conscious initiatives aimed at expanding green open spaces, reducing carbon emissions, and minimizing waste generation on campus.



Danar Guruh Pratomo ST MT PhD

Head of the ITS SDGs and
Smart Eco Campus Unit

Concrete Actions for Environmental Responsibility

More specifically, ITS demonstrates its commitment through a tree planting movement aimed at expanding green open spaces. This commitment was demonstrated through the planting of more than 2,100 tree seedlings in various corners of the campus during ITS's 65th anniversary. "In addition, ITS also enforces a rule that every felling must be followed by replanting," added Danar. '

The commitment of the Campus of Heroes does not stop there. The lecturer from the Department of Geomatics Engineering explained that ITS also provides thousands of tree seedlings. These seedlings can be taken and planted by the entire campus community. Moreover, ITS's greening efforts are also reflected in its policy of replacing flower arrangements with tree seedlings at every major event held.

Efforts to expand green open spaces also leverage technological innovation. As a university ranked eighth nationally in the 2024 UI GreenMetric, ITS launched the website tree.its.ac.id as a platform for the ITS community to monitor the distribution and growth of various tree species. "Through this website, anyone can report the current condition of any tree they encounter directly on its profile," he explained.



Beyond expanding green open spaces, ITS has also introduced several policies to reduce carbon emissions on campus. Danar mentioned that one of the ways this policy is being implemented is by prohibiting new students from using four-wheeled vehicles. This measure is expected to reduce the volume of personal vehicles, improve air quality, and encourage a shift toward more environmentally friendly modes of transportation within the ITS campus area.

In line with the implementation of this restriction, the policy is also followed by an encouragement to walk when moving around the campus area to all members of the institution, including students, lecturers, and non-teaching staff. Danar added that the improvement of sidewalks and pedestrian corridors have been amplified to support this initiative.

Not stopping there, ITS also realized its efforts to create a greener and more comfortable campus through an integrated waste management movement. Danar said that ITS applies the integrated 3R principle, including reuse, reduce, and recycle. “The campus provides trash bins with different colors for each type of waste to facilitate the sorting process,” he said.

This waste management initiative is further strengthened by encouraging the use of personal water bottles to reduce the consumption of single-use containers. In addition, the campus has installed reverse vending machines at several strategic points to collect used plastic bottles. This effort is expected to cultivate more responsible waste-management habits while simultaneously reducing the volume of plastic waste on campus.



Steps Toward Building Sustainability

Danar added that the outcomes of these various commitments support ITS's vision of becoming a World Class University. The university's dedication to environmental sustainability is reflected in its achievement of ranking 67th globally in the 2025 UI GreenMetric World University Rankings. ITS also secured a position within the 201–300 band in the 2024 Times Higher Education (THE) Impact Rankings through its contributions to the Sustainable Development Goals.

These remarkable accomplishments are made possible through the collective efforts of the entire ITS community. Moving forward, both individuals and groups will continue to be encouraged to take part in initiatives that have a positive impact on the environment. These simple actions are projected to become the foundation for cultivating a greener and more sustainable campus culture. "Starting from small actions, such as folding used paper, other good habits will gradually take root," said the man born on May 7th, 1980.

By continuously nurturing environmental awareness, ITS plays an active role in advancing sustainable living aligned with the SDGs. Beyond contributing to environmental conservation, these initiatives also foster positive shifts in daily habits and cultural practices across campus. "It is our hope that ITS's efforts can serve as an example for the surrounding community to undertake similar actions," Danar concluded. **(fal/bil)**





Empowering SDGs, ITS Reaches a New Milestone as a **World Class University**

This Article Supports SDG 4
Quality Education

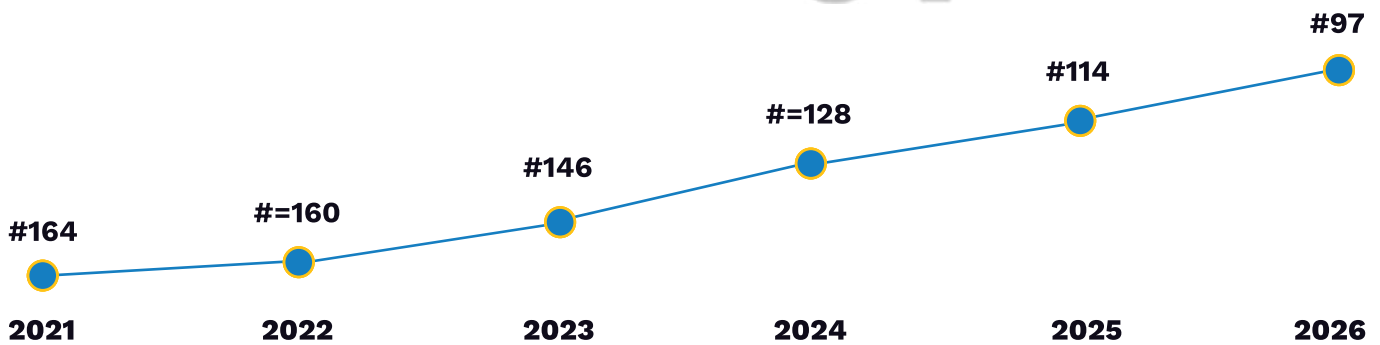


To reinforce its recognition at the international level, Institut Teknologi Sepuluh Nopember (ITS) continues to optimize its potential as a World Class University (WCU). This commitment is reflected not only in the strengthening of its academic and research capacities, but also in its active contribution to support and advance the Sustainable Development Goals (SDGs). In line with its global vision, ITS has attained a series of notable accomplishments in various international university ranking systems.



Institut Teknologi
Sepuluh Nopember 

TOP 6.4%
ASIA RANK #97



In recent years, ITS has demonstrated a consistently upward positive trend in global ranking performance. This positive trend reflects a strategically focused development agenda, particularly in the areas of research, innovation, and the strengthening of international collaborations.

#509

**QS World University
Rankings 2026**

#394

**QS WUR by Subject 2025:
Engineering and Technology**

#763

**QS World University
Rankings: Sustainability 2026**

#22

**QS Asian University Rankings
South Eastern Asia 2026**

Moreover, the university's commitment to the SDGs is proofed by its performance in the QS WUR Sustainability 2026 rankings. By performing these achievements, ITS has reinforced its position as an institution capable of responding concretely to environmental, public health, and social welfare challenges.

#1 Indonesia
QS WUR Sustainability 2026

**Environmental Research
Health and Wellbeing**

In addition to its performance in the QS rankings, the status of ITS as a world class university is further proofed by recognition from various other reputable ranking institutions. Evaluations by the Times Higher Education, EduRank, and discipline-based ranking systems indicate that ITS reputation continues to strengthen in a consistent manner. These accomplishments demonstrate that the excellence of ITS is not acknowledged to a single domain, but extends broadly across multiple and interdisciplinary fields.



**Times Higher Education
World University Rankings**

#1501+ World Rank

**Times Higher Education
Interdisciplinary Science Rankings**

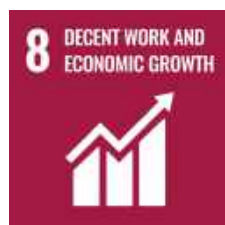
#87 World Rank

**Times Higher Education
Impact Rankings**

#201–300 World Rank

SUSTAINABLE DEVELOPMENT GOALS Top 100

This achievement is even more meaningful as ITS is also listed among the world's Top 100 universities in several assessed SDG indicators.



This international recognition not only reflects ITS's consistent efforts to integrate the principles of sustainable development into its three pillars of higher education, but also reinforces its role as a university that actively contributes to the achievement of the SDGs at both the national and global levels.

EduRank

#1302 #342

In the World

In Asia

#1

In Indonesia

Engineering subfield

Marine Engineering, Automotive Engineering, Product and Industrial Design, and Reliability and Quality Engineering

Computer Science subfield

Artificial Intelligence (AI)

Business subfield

Supply Chain Management

Beyond these achievements lies a significance that extends numerical rankings. Such accomplishments are not the result of instantaneous efforts, but rather the apex of a sustained culture of collaboration, ongoing research development, and the readiness to respond to the demands of a changing era. By adopting the SDGs as a foundational framework for strengthening its academic and research systems, ITS is willing to advance further as a world-class university that generates tangible benefits for society and the environment.



ITS On Patriot Expedition 2025 for Sustainable Development Program

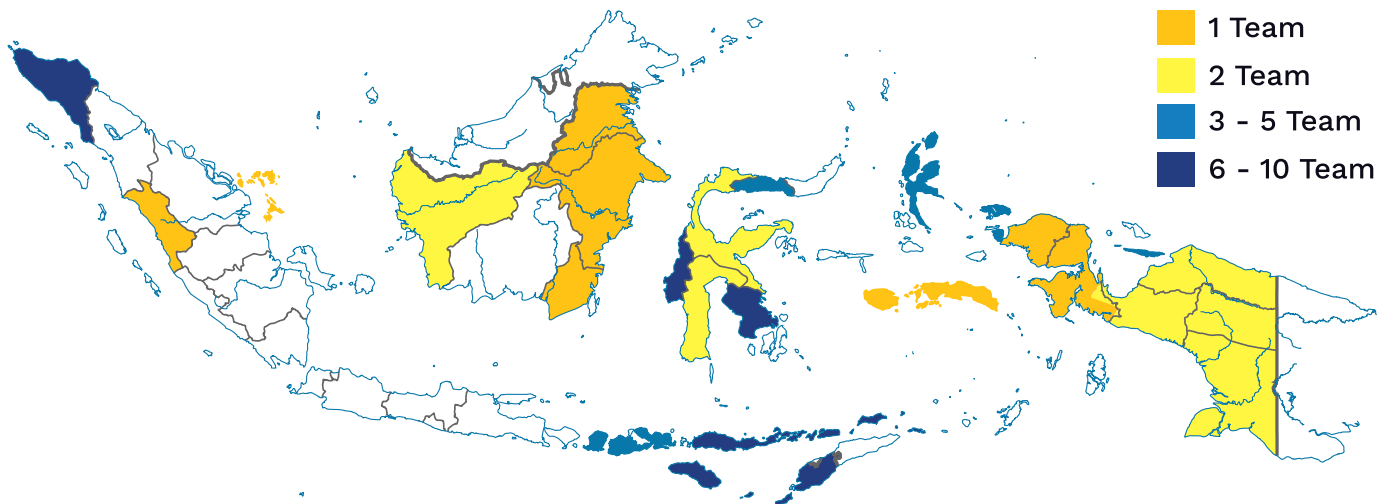
This Article Supports SDG 8 and SDG 11
Decent Work and Economic Growth; Sustainable Cities and Communities



Amidst the pulse of Indonesia's national development, there remain secluded corners across the archipelago awaiting the touch of empowerment. Answering this call, the Institut Teknologi Sepuluh Nopember (ITS) reaffirms its pivotal role through the Patriot Expedition 2025. This is a multidisciplinary community service program that seamlessly integrates research, technology, and societal upliftment.

Organized by the Ministry of Transmigration (Kementrans) of the Republic of Indonesia, ITS is synergizing efforts to develop transmigration areas scattered throughout the nation's remote regions. Under the direction of the ITS Patriot Expedition Chief Executive, Prof Dr Ir Aulia Siti Aisjah MT, ITS has deployed 57 teams to 33 transmigration zones across Indonesia. "Although 228 students are dispersed across different areas, they all share the same determination to serve and offer meaningful solutions," she stated.

However, before venturing into the 17 target provinces, participants undergo intensive preparation, honing both their physical resilience and mental fortitude. This training ensures that the participants' journey will not only be an act of service but also one that is fully aligned with the core principles of the Sustainable Development Goals (SDGs).



17 target
provinces

33 target
transmigration

57 teams
ITS

Focus and Challenges of ITS

As a State University with Legal Entity Status (PTN-BH) entrusted with such a significant mandate, ITS holds a strategic role in delivering the outcomes of the Patriot Expedition program. Aulia explained that there are six main outputs targeted in the program. "However, ITS is currently sharpening its special attention on two main deliverables," she clarified.

The first key deliverable centers on the development of evaluative recommendations regarding the transmigration areas, based on direct fieldwork analysis. This study encompasses a wide range of infrastructural aspects, including the community's socio-economic conditions, public facilities and infrastructure, as well as socio-cultural dynamics. "These findings will serve as the foundation for the ministry in designing targeted development policies," the woman from to Magetan explained.

Furthermore, Aulia stated that the second focus area is the formulation of development designs for leading commodities in each region for the short, medium, and long terms. Strategies for each commodity are specifically tailored to the local potential. Consequently, the approaches used are carefully developed by taking into account the unique characteristics and conditions of each area.

Aulia then highlighted the significant challenge still faced by many transmigration regions, such as food security. It is within this context that ITS steps in with a comprehensive approach from upstream to downstream. The Patriot Expedition team not only examines the socio-cultural aspects, but also evaluates the land conditions and designs post-harvest technologies that suit local needs.

With careful and organized planning, the goal is to make food production more efficient and better targeted. Aulia added that these innovations will subsequently streamline the provision of the food products in the field. "Even one of our teams is developing an innovation specifically to boost efficiency in addressing food issues," the woman born in 1966 concluded.

Spreading Hope for the Future

In addition to focusing on the economic and food sector, the Patriot Expedition team also maps health facilities, sanitation, and access to clean water. These three crucial aspects remain a challenge in Indonesia's Frontier, Outermost, and Disadvantaged (3T) regions. "These findings become the initial basis for determining the direction of more targeted development in the next phase," Aulia stated.

She added that each team faces different challenges, ranging from difficult geographical conditions to infrastructure limitations. However, she views all participants as demonstrating strong dedication in carrying out their duties. Their resilience and adaptability in the field, she emphasized, are the key to the success of the Patriot Expedition in reaching various territories.

Aulia, who was born on 16th of January 1966, expects that the program will deliver the intended outcomes while bringing long-term positive impacts when it concludes at the end of 2025. Besides providing benefits to the residents, she also hopes that participants can also use this program as a platform for self-development. "To better, impactful, and intellectual individuals," she concluded with hope.

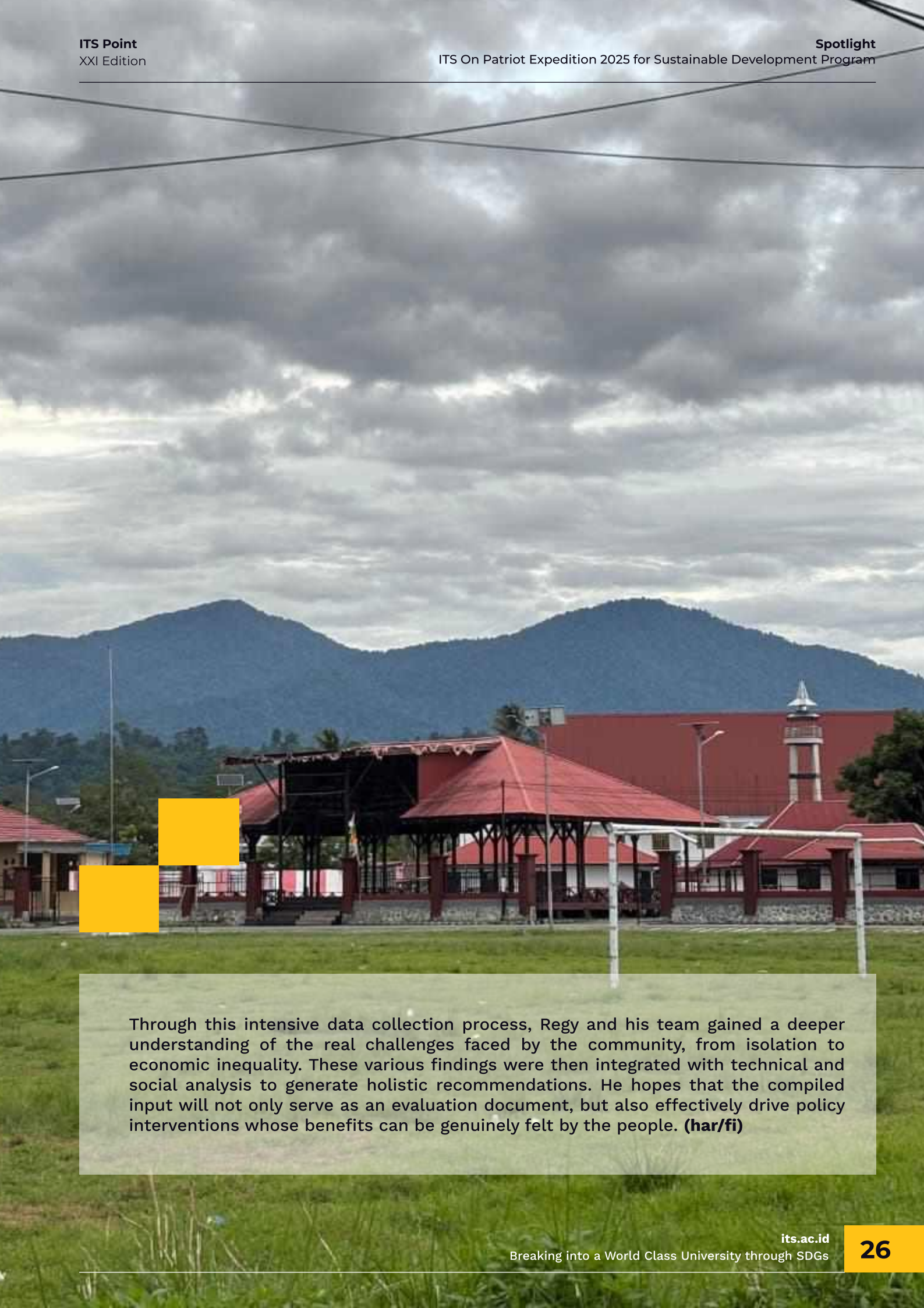
Voices from the Patriots

One of the Team 5 ITS Patriot Expedition members, Mifda Khoirotul Azma, shared that participating in this program was an invaluable experience. She came to East Kalimantan with no background in regional and urban planning, but returned with priceless life lessons. "I saw firsthand how transmigrants survive amidst inadequate infrastructure," explained the ITS Biology Department student.

Going further, she explained that her team trained the local community members in effective communication, which can serve as a driving tool for economic growth. This effort is directly related to ITS's goal of achieving decent work and economic growth. "Our team conducted effective communication training with local residents," she noted.

Another story comes from the eastern horizon. Regy Zaid Zakaria, a member of the Team 13 ITS Patriot Expedition in Gorontalo, conducted an in-depth evaluation of the economic conditions in this transmigration area. In the area, the team members are tasked with collecting all aspirations and concerns from the transmigrant community. "Subsequently, all these aspirations and concerns will be compiled into recommendations for development or improvement, which will then be submitted to Kementrans," he added.





Through this intensive data collection process, Regy and his team gained a deeper understanding of the real challenges faced by the community, from isolation to economic inequality. These various findings were then integrated with technical and social analysis to generate holistic recommendations. He hopes that the compiled input will not only serve as an evaluation document, but also effectively drive policy interventions whose benefits can be genuinely felt by the people. **(har/fi)**

Highlights of ITS Synergy and Transformation in 2025











Alifiah Sya'siyatul Izzah
Undergraduate Student of The Department of Visual Communication Design ITS



A Gentle Path *to Global Excellence*

Enhancing ITS Human Resource Capacity in Pursuit Global Recognition Aligned with the SDGs

This Article Supports SDG 4 and SDG 9
Quality Education; Industry, Innovation, and Infrastructure



Behind its ambitious vision of becoming a World Class University (WCU), Institut Teknologi Sepuluh Nopember (ITS) continues to refine and optimize its human resource development strategies. Through the Directorate of Human Resources and Organization (DSDMO) ITS, various programs have been implemented to cultivate the potential of ITS academic staff, ensuring they are increasingly prepared to compete at the global level.

The Coordinator of Learning Experience and Employer Reputation Team for ITS WCU program, Dr Ir Arief Abdurrahman ST MT, emphasizes that WCU ranking is a critical instrument for strengthening the university's reputation. A strong position in global rankings substantially expands a university's international visibility and attractiveness. In line with this belief, ITS remains firmly committed to enhancing the quality of its human resources as a key pathway to expand its global presence.



Dr Ir Arief Abdurrahman ST MT
Coordinator of Learning
Experience and Employer
Reputation Team

Five Programs to Enhance Research Quality

This aspiration is not merely rhetorical, ITS has now reached the 509th position in global rankings. This achievement has enabled access to EQUITY WCU funding from the Ministry of Higher Education, Science, and Technology (Kemdiktisaintek), which is awarded to seven selected PTN-BH universities in Indonesia. As a catalyst for meeting WCU indicators, ITS has formulated five flagship programs focused on improving academic quality and strengthening the capabilities of its academic community.

Arief explained that these five programs include International Scientific Conference Presentation, Research Matchmaking, Adjunct Professor, Postdoctoral Researcher, and Sabbatical Leave schemes. Collectively, these initiatives are intended to ensure that ITS lecturers meet global standards in teaching, research, and societal contribution.



**International
Scientific
Conference
Presentation**



**Research
Matchmaking**



**Adjunct
Professor**



**Postdoctoral
Researcher**



**Sabbatical
Leave**

Program Implementation and Impact

The first program, presenting at International Scientific Conferences, provides opportunities for 25 ITS academicians to present their research at international scientific forums. “This program encourages ITS researchers to access reputable international publications while creating avenues for global research collaboration,” he noted.

The second initiative, Matchmaking Research program, pairs ITS lecturers with external professors or researchers who have outstanding publication records. In its implementation, five selected ITS lecturers are engaged in collaborative research with their peer academicians, each of them has a minimum Scopus H-index of 50. A key outcome of this program is the publication of articles in top-tier, Q1-indexed journals.

Furthermore, the impact of these journal publications is expected to extend beyond collaboration with international professors. Then, the Adjunct Professor program was designed to bring direct academic contributions from highly reputable experts. Through this initiative, 40 distinguished international professors are invited to teach and conduct research at ITS under contracts ranging from 10 to 12 months.

Meanwhile, the Postdoctoral Research program supports the independent research development of early-career ITS scholars. Targeting academicians who obtained their doctoral degree within the last five years, this program aims to foster innovative research, expand collaborative networks, and accelerate the production of world-class research outputs.



Beyond collaborative research, ITS also strengthens academic capacity through a Sabbatical Leave scheme. This program offers two of ITS’s leading lecturers the opportunity to spend a three-month period at top global universities. During this time, participants are free from teaching responsibilities to focus on producing high-quality academic publications or strategic research proposals.

Strategic Pathways to Global Recognition

While these initiatives constitute concrete interventions, strategic efforts remain essential to maximize their impact and further enhance ITS's position in international rankings. This strategy includes strengthening awareness and understanding of WCU frameworks among all ITS academicians, as well as optimizing stakeholder management. "This ensures that the pursuit of WCU status is not merely an institutional target, but a collective movement involving all elements of the university," he clarified.

The realization of these strategies must also be supported by a strong governance and administrative systems, embedded within a conducive campus ecosystem. Such measures are critical, as administrative consistency and discipline make a significant contribution to upward university's global rankings. These efforts further ensure that the outcomes of the five WCU programs remain measurable and aligned with international standards.

Indeed, the commitment to implement these strategies serves as a fundamental basis for advancing the five core programs. Consistent execution is expected to foster sustainable synergy in academic empowerment. "Once every element of the university becomes fully aware of and engaged with these strategies, ITS's ranking will naturally improve," Arief concluded optimistically. **(riz/mif)**





A Look at the Journey of Almas Zafar, the ITS International Student

This Article Supports SDG 4 and SDG 17
Quality Education; Partnership for The Goals



Institut Teknologi Sepuluh Nopember (ITS) consistently demonstrates its capacity to cultivate talent from diverse international backgrounds. Among its global student community, there is Almas Zafar, a doctoral candidate in the Department of Chemistry from Pakistan, who arrived in Surabaya with strong aspirations. Her decision to pursue her studies at ITS marked the beginning of a new chapter, one that has since shaped his academic and personal development.

Although Almas's transition has not been without challenges, the institutional support provided by ITS has remained present throughout her journey. Since her arrival, she has perceived the campus environment as conducive to the growth of international students, supported by language assistance services and an inclusive social atmosphere. For Almas, ITS represents not only a site of advanced academic training, but also a context in which new experiences, meaningful challenges, and lasting relationships can emerge.



Discovering an Ideal Educational Journey

Prior to arriving in Indonesia, Almas undertook a rigorous decision-making process to identify the most suitable destination for her doctoral studies. She looked for an environment that was safe, supportive, and academically reputable, with research strengths aligned to her scholarly interests. Among several alternatives, Indonesia emerged as a compelling option for international students. As an alumnus of the University of Lahore, Pakistan, she noted, “I wanted to study somewhere that would allow me to feel comfortable and to thrive.”

Her decision to pursue doctoral study at the “Campus of Heroes” was informed by extensive research on universities across Indonesia. ITS’s steadily strengthening reputation, particularly in technology- and research-oriented domains, became a decisive consideration. This confidence was further reinforced through direct communication with her prospective supervisor; the supervisor’s warm response and willingness to provide guidance offered assurance that ITS would provide an academically supportive environment.

A pivotal milestone followed when Almas received the 2025 Developing Countries Partnership Scholarship (Kemitraan Negara Berkembang/KNB). This award enabled her to undertake doctoral study with reduced financial constraints and served as an encouragement to step beyond his comfort zone. The scholarship further consolidated his resolve to deepen her expertise and advance her academic journey.

With this strengthened sense of conviction, Almas ultimately chose Surabaya as the setting for his next chapter. Access to academic support, research opportunities, and a strong supervisory relationship motivated her to embark on his doctoral journey at the “Campus of Heroes”. Reflecting on her decision, she stated, “I knew then that ITS was the right place to grow.”

Finding Comfort in a New Land

Upon arriving in Indonesia, Almas felt ITS's strong commitment to building a welcoming environment for international students. When she first set foot on campus, everything felt new and challenging, but the warm welcome from ITS made her feel more at ease. Despite being far from Pakistan, she did not feel completely alienated. "The welcoming nature of the ITS community made me feel safe," said the alumnus of the University of Sargodha, Pakistan.



Almas admitted that the administrative process posed no challenge because ITS had prepared a systematic workflow for registration process, orientation, and campus introduction. This effort was made to ensure new students, especially international students, felt comfortable. "The process was clearly integrated, so I had no doubts or missteps," she noted.

On the other hand, language adaptation became a hurdle for this Pakistani student. Fortunately, Almas added, ITS also provided support to help her navigate this phase. She routinely attended language classes for a year, an experience that helped her build her confidence in communicating with others. The support from lecturers, staff, and Global Engagement volunteers provided a platform for her to ask questions and learn without judgment.

With the foundation of support she received, Almas was able to focus on starting her academic journey with minimal difficulty. The care and support he received made Almas believe that his long journey from Pakistan to ITS was the right decision. "Choosing this campus is one of the best decisions I have ever made," she stated.



When Foreign Becomes Familiar

Almas's adaptation in Surabaya was greatly assisted by her daily interactions with friends and volunteers she met in ITS. They became her go-to source for questions and helpful guides in understanding local customs, ranging from how to greet people, shop, to campus life rules. This small but consistent support made her feel accepted as part of the ITS community.

In every activity she undertook, Almas found comfort and a sense of community she had not expected. The relationships she built at the campus gradually made Surabaya feel like a second home. These experiences have expanded her perspective and bolstered her confidence to keep growing.

To international students who would like to follow in her footsteps, Almas advised them to come with an open heart and the courage to learn. She believes ITS provides an environment that nurtures personal growth in the best possible way. "With all the facilities provided, ITS always strives to provide the best experience for all of us," she concluded gently. **(dif/dhi)**

From Campus to Global Market: Strategies of ITS Students in Building International Eco-Friendly Startup



This Article Supports SDG 7 and SDG 9
Affordable and Clean Energy; Industry, Innovation, and Infrastructure



As the nation's future generation, students play a key role in driving the national economy through brilliant innovations. One example is demonstrated by I Ketut Putu Evan Pritya Saguna, through his eco-friendly startup called Photovoltaic (PV)-Cloost.

More specifically, Evan, as he is familiarly called, created an automatic solar panel cleaning device called Clooster S together with I Ketut Rama Adi Widhiarta. This innovation, in development since last May, is aimed to optimizing the function of solar panels by performing regular cleaning using a digital system. "We have a tagline at PV-Cloost as the first solar panel cleaning provider in Indonesia," he said.

Nowadays, this commercialized innovation has successfully secured funding totaling tens of millions of rupiah. This achievement is the result of the hard work done by Evan and his nine team members. On this occasion, the PV-Cloost founder also shared his strategies as a student for developing a startup business up to the international level.

Shift Mindset as an Entrepreneur

Growing up in an engineering environment does not limit the potential of students from the ITS Mechanical Engineering Department to venture into business. According to Evan, building a business requires a more solution-oriented and long-term perspective. Generally, engineering students tend to focus solely on how a product can perform better than competitors. "We also have to make sure that the community really needs the product," he said.

To ensure this, a business owner needs to get directly involved in identifying the problems faced by the community. Evan realized that this is

often overlooked by people who are just starting a business. In practice, identifying customer needs is not only done before the product is made, but also after the product has been launched to ensure that it is on target.

Furthermore, he also provides a method for entrepreneurs to build a business. This method starts with brainstorming ideas, identifying society needs, idea evaluation, planning, creation, market testing, evaluation, and finally launching the product. With this method, entrepreneurs can ensure that the product is highly needed and fit-for-purpose.

Method for Entrepreneurs to Build a Business



The entrepreneurial journey begins by brainstorming ideas and identifying societal needs to pinpoint a relevant solution. After evaluating these ideas for feasibility, entrepreneurs move to planning and creating the product prototype. This allows for market testing of the product to gather real-world feedback, followed by an evaluation of the product for refinements before executing the final product launch.

Collaborating for Commercialization

In developing an innovation for business purposes, Evan believes that collaboration is a long-term investment needed. For him, collaboration serves as a platform for his team to enhance the added value of the startup they are building. "To increase capital and added value, PV-Cloost participated in several national and international competitions," said the 2025 ITS Outstanding Student (Mawapres) in the Bachelor's category.

As a pioneer, Evan began his collaborative efforts in the Pertamina Seed & Scale competition organized by PT Pertamina (Persero) in November 2024. The competition pitted innovative ideas in the energy sector against each other for all university students across Indonesia. Despite being a first-time participant, the PV-Cloost team secured the Top 3 Energy Founder award and received a funding of 35 million rupiah.

The team did not stop there and continued its journey in the ASEAN Sparks event, which promotes startups in the field of climate technology and clean energy in Southeast Asia. However, this journey was not as smooth as the previous one. Evan and his team's efforts ended in the top 30. Nevertheless, the student from Bali did not view this failure as the end of the journey, but rather as valuable capital for growing PV-Cloost.

He also believes that emotions can be self-destructive. All achievements or failures felt today are the beginning of the journey toward the goal.

“When we won the championship, I felt it was just another small step toward the bigger goal,”

he stated confidently.



Progressive, Visionary, and Beneficial

To create a sustainable business, an enterprise must have a visionary and progressive outlook. Looking ahead, Evan stated that he aims to develop the PV-Cloost startup into a limited liability company while expanding its reach across Southeast Asia.

"Dream big, don't hold back, and set your sights on big dreams,"

he said ambitiously.

A business does not emerge solely from ambition but from consistent and gradual implementation. Through a focus on simple yet meaningful initiatives, Evan has demonstrated that innovations from a student can benefit both society and the environment. "Satisfaction does not come from achievements but from how hard you strive," Evan concluded as a reminder. (ian/zik)

The **Cross-Border** Career Journeys of Two ITS Alumni

This Article Supports SDG 8
Decent Work and Economic Growth



Institut Teknologi Sepuluh Nopember (ITS) consistently strives to produce graduates who are competitive not only at the national, but also at the global level. This commitment is exemplified by the professional track record of senior alumni, **Agus Priyo Santoso** and the junior one, **Muhammad Ridha Tantowi**. Their cross-border career path reflects ITS's sustained dedication to cultivate competent graduates across generations.

Coming from different generations, both alumni offer inspiring narratives through their respective career paths. Agus, class of 1984 alumnus of the Department of Ocean Engineering ITS, reflects on his extensive professional journey across multiple countries. Meanwhile, Owi, the junior alumnus, represents the perspective of a more modern generation through his more recent international career track record as a graduate of the Department of Architecture ITS, class of 2014.



Muhammad Ridha Tantowi
Department of Architecture ITS
Class of 2014



Agus Priyo Santoso
Department of Ocean Engineering ITS
Class of 1984

Academic Formation as a Shaper of Character

Although they now pursue careers in different professional fields, both of them once set foot on the same ground as students in ITS, Campus of Heroes. Coming respectively from Tabalong and Kediri Regency, Owi and Agus chose ITS as the institution to continue their higher education. “From the very beginning, I had set my sights on ITS as my destination campus,” Agus recalled.

Their journeys as students played a central role in shaping the character and competencies that underpin their current positions. Owi remembers his undergraduate years as a phase rich in formative experiences, ranging from his involvement in student journalism to the opportunity to participate in a student exchange program. “Where I am now is the culmination of every process I went through during my studies,” he reflected.



Besides, Agus reminisced about the long nights he spent on campus completing assignments with his peers. Beyond the classroom, he also actively sought out organisational experiences and field-based activities. “It was all memorable experiences outside of class that introduced me to the realities of the real world,” he emphasized.

Despite the differences in era and campus dynamics they experienced, both agree that ITS provides a strong foundation for its students to thrive at the global level. Agus noted that the academic environment and values he gained during his studies shaped his courage to compete internationally. Echoing this sentiment, Owi observed that the various programs offered by ITS have provided him with broader opportunities for exploration and for entering the global arena.

Navigating a Global Career Path

Advancing beyond their formative years on campus, both alumni graduated with a wealth of experience that prepared them to compete in the professional arena. It did not take long for Agus and Owi to commence their initial careers in Jakarta. As his first appointment, Agus joined PT Indonesian Marine (Indomarine) in the Oil & Gas Strategic Business Unit, while Owi began his career as a Property Business Officer at PT Jakarta Industrial Estate Pulogadung (JIEP).

Positions in the capital city, however, did not represent the culmination of their desires. Rather, these early professional experiences strengthened Agus's ambition to join the Swiss technology company ASEA Brown Boveri (ABB). Over the course of six years, he advanced to the position of Sales Director. He subsequently continued his career at General Electric (GE), where he was appointed as a Service Unit Managing Director of PT Grid Solutions Indonesia in 2016.

On the other hand, Owi pursued an international academic route by securing the prestigious Erasmus Mundus Joint Master (EMJM) scholarship to undertake postgraduate studies at a consortium of universities across several Europe countries. His dedication to the field of Fire Safety Engineering led to his appointment as a Graduate Fire Engineer at OFR Consultant, one of the leading international firms specializing in fire safety consultancy.



Learning to Create Impact Across Borders

Throughout their time abroad, Agus and Owi seized every opportunity to develop themselves and gain broader perspectives. Agus noted that his position, which required him to move between countries almost every month, demanded a high degree of adaptability and effective communication skills.

“The various international projects I handled certainly required strong commitment,” Agus reflected.

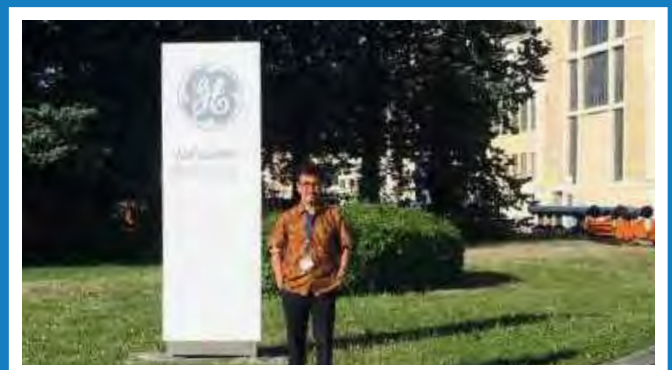
Likewise, Owi spent his days in Europe passionately pursuing the field of fire safety design. Through these experiences, he built a professional portfolio as a consultant and acquired technical expertise that he had not previously encountered.

“I hope that this knowledge can later be applied to support Indonesia’s development,” Owi remarked confidently.

These cumulative experiences have motivated both alumni to make meaningful contributions. After deciding to retire in 2021, Agus instead chose to establish new ventures and actively engage with various professional communities in Indonesia. He founded two companies, PT Clop Design Indonesia and PT Omnia Solution Indonesia. “I continue to apply for the experience and knowledge I gained from my previous work to this day,” Agus explained.

By contrast, as an early-career professional, Owi is currently focused on further self-development and broadening his horizons. His concern about fire-related risks has encouraged him to become involved in analyzing the existing fire safety regulations in Indonesia. The perspectives he gained while in the United Kingdom have also deepened his understanding of fire safety issues.

Looking ahead, both alumni intend to contribute even further. Agus aspires that the company he is currently building will eventually transform into a foundation capable of providing wider benefits to society. Meanwhile, Owi hopes to expand public education on the importance of fire safety within everyday environments.





Opportunities to Contribute on the Global Stage

Drawing from their experiences and ambitions, both Agus and Owi concur that their decision to pursue careers on the global stage constitutes a pivotal step in their professional trajectories. The insights they acquired abroad are now being applied in various aspects of their lives as a concrete form of contribution to their home country.

Despite the considerable age gap between

them, both are convinced that opportunities to build a career overseas are far from unattainable. The potential of the younger generation becomes even more powerful when accompanied by strong determination and willingness to pursue broader opportunities. “Today’s technological advancements have also greatly facilitated access to information about such opportunities,” Agus noted confidently.



The achievements of Agus and Owi exemplify ITS's ongoing commitment to producing high-quality graduates and fostering sustainable economic opportunities. Through their respective journeys, they hope that ITS students and alumni will be encouraged to create and seize opportunities of their own. They also emphasize that continuous learning beyond graduation is essential for expanding future prospects. **(ela/gan)**

ITS Endowment Fund Raises from Donation Campaign to More Equitable Education

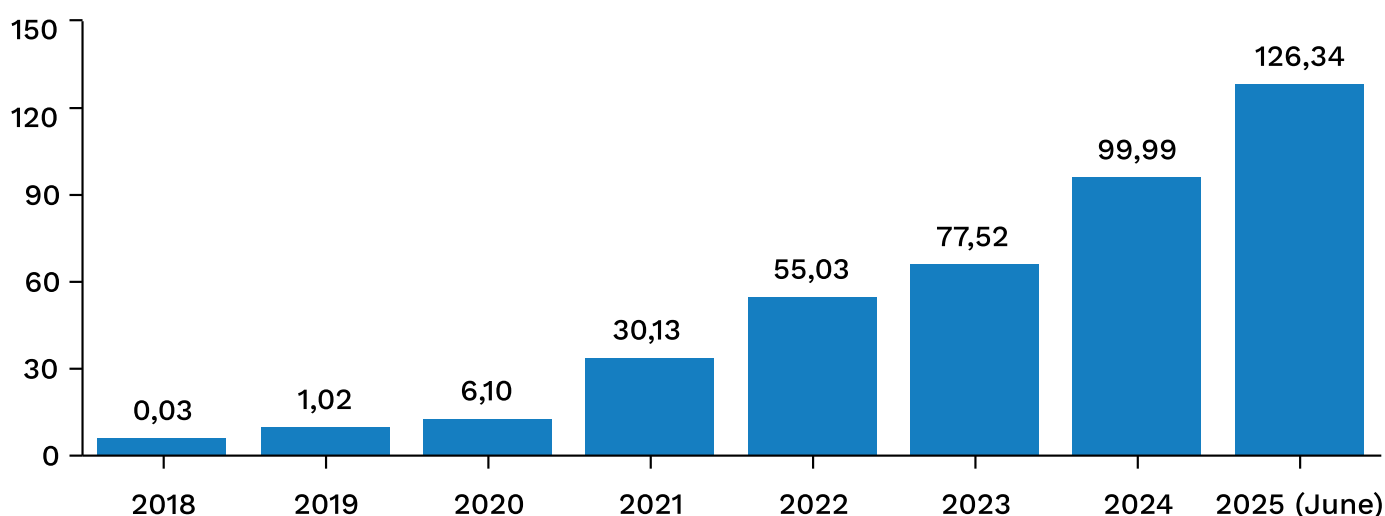


This Article Supports SDG 1 and SDG 4
No Poverty; Quality Education



As a part of efforts to promote more equitable and sustainable access to education, ITS Endowment Fund serves as a tangible manifestation of collective social responsibility. This initiative not only establishes an alternative and sustainable source of funding, but also represents a strategic step toward enhancing the financial independence of ITS. Based on professional, transparent, and accountable management by ITS Endowment Fund Management Agency (LPDA), the funds collected are allocated to support the continuity of students' education, foster research development, and stimulate innovation as a meaningful contribution to the nation.

Accumulation of ITS Endowment Fund Annual Income (in Billion)



Monthly Endowment Fund Donation as of June 2025

| Description | Amount of Endowment Fund (Rupiah) |
|---|-----------------------------------|
| 2024 Endowment Corpus | 99,9866,467,651 |
| ITS Budget 2025 | 25,000,000,000 |
| January 2025 Donation | 13,594,030 |
| February 2025 Donation | 120,680,000 |
| March 2025 Donation | 81,753,880 |
| April 2025 Donation | 1,030,579,777 |
| May 2025 Donation | 27,703,500 |
| June 2025 Donation | 76,241,009 |
| Accumulation as of June 30th 2025 | 126,337,019,847 |

| Description | Investment Income Realization 2025 | % |
|------------------------------|------------------------------------|----------------|
| Current Account Income | 50,941,861 | 1.83% |
| Goverment Securities Revenue | 2,736,101,080 | 98.17% |
| CWLS seri SW002 | 1,306,155,000 | |
| CWLS seri SWR004 | 755,296,360 | |
| CWLS seri SW008 | 674,649,620 | |
| Corporate Bond Income | - | - |
| Other Income | - | - |
| Total | 2.787.101.080 | 100.00% |



A Massive Engagement to the Rp 65,000 Donation Campaign

In commemoration of the 65th ITS Dies Natalis, ITS promotes a massive engagement to the Donation Campaign as the initial support of ITS Endowment Fund. This program invites participation from the entire ITS community, alumni, even the broader public by encouraging a minimum contribution of Rp 65,000. Over a period of three months, the campaign successfully generated funds up to hundreds of millions of rupiah. These funds are allocated to support various activities within the ITS academic community, including scholarships, competitions, start-up development, research, and community service initiatives.

A total of **Rp 611,976,957.00**

was successfully raised through the Rp 65,000 Donation Campaign for ITS Endowment Fund, held during the commemoration of the 65th ITS Dies Natalis.

Recapitulation of ITS Endowment Fund Scholarship

| Scholarship Type | Amount of Scholarship Fund (Rupiah) | Scholarship Recipients |
|---|--|-------------------------------|
| ITS Endowment Fund Scholarship - Tuition Fee Even Semester of 2024 | 344,500,000 | 64 Students |
| KIPK Scheme 2 Living Allowance Even Semester of 2024 | 1,821,600,000 | 305 Students |
| Accumulation as of June 30th 2025 | 2,166,100,000 | 369 Students |

| Scholarship Type | Amount of Scholarship Fund (Rupiah) | Scholarship Recipients |
|---|--|-------------------------------|
| ITS Endowment Fund Scholarship - Tuition Fee Even Semester of 2021 | 196,500,000 | 61 Students |
| ITS Endowment Fund Scholarship - Tuition Fee Odd Semester of 2022 | 204,000,000 | 62 Students |
| ITS Endowment Fund Scholarship - Tuition Fee Even Semester of 2023 | 228,000,000 | 63 Students |
| ITS Endowment Fund Scholarship - Tuition Fee Odd Semester of 2023 | 220,300,000 | 63 Students |
| ITS Endowment Fund Scholarship - SPI/SPA Odd Semester of 2023 | 1,582,500,000 | 46 Students |
| ITS Endowment Fund Scholarship - Tuition Fee Even Semester of 2023 | 252,900,000 | 63 Students |
| KIPK Scheme 2 Living Allowance Odd Semester of 2023 | 1,878,000,000 | 313 Students |
| KIPK Scheme 2 Living Allowance Even Semester of 2022 | 1,840,600,000 | 309 Students |
| ITS Endowment Fund Scholarship - Tuition Fee Odd Semester of 2024 | 231,500,000 | 64 Students |
| KIPK Scheme 2 Living Allowance Odd Semester of 2024 | 1,837,600,000 | 308 Students |
| ITS Endowment Fund Scholarship - Tuition Fee Even Semester of 2024 | 344,500,000 | 64 Students |
| KIPK Scheme 2 Living Allowance Even Semester of 2024 | 1,821,600,000 | 305 Students |
| Accumulation as of June 30th 2025 | 10,638,000,000 | 1.721 Students |

Cash Flow of ITS Endowment Fund

| Description | Investment Income Realization 2025 | % |
|-------------------------------|------------------------------------|----------------|
| Current Account Income | 50,9418,61 | 1.83% |
| Government Securities Revenue | 2,736,101,080 | 98.17% |
| CWLS seri SW002 | 1,306,155,000 | |
| CWLS seri SWR004 | 755,296,360 | |
| CWLS seri SW008 | 674,649,620 | |
| Corporate Bond Income | - | - |
| Other Income | - | - |
| Total | 2,787,101,080 | 100.00% |

Flow of Donations



Visit the website
danaabadi.its.ac.id

Click
“Donate Now”

Fill the
identities

Give a
donation!

ITS Endowment Fund constitutes a concrete manifestation of collective commitment to advance more equitable and sustainable access to education. By performing professional and transparent management, each contribution generates a direct impact on the provision of scholarships, the advancement of research, and the implementation of various community development programs.

ITS Endowment Fund

Your sincere ongoing support and contribution remain essential in strengthening the future of education in Indonesia!





Global Achievements of ITS Research Teams through **Sustainable Innovation**

This Article Supports Numbers of
Sustainable Development Goals



The series of achievements attained by Institut Teknologi Sepuluh Nopember (ITS) further consolidates its position as a research-based university capable of competing at the global level. This success is inseparable from the contributions of students engaged in various research teams that bring distinction to the Campus of Heroes. Among these are the ITS research teams Anargya, Barunastra, and Ichiro.

ITS's Champion Electric Vehicle Team

The Anargya ITS electric vehicle (EV) Team is a student research team specializing in the development of electric vehicles for Formula Student competitions, including the Formula Society of Automotive Engineers (FSAE) Japan. In line with the global trend toward vehicle electrification, this team established in 2018 develops FSAE-standard electric cars through environmentally responsible manufacturing processes and low-carbon emission technologies.

According to Public Relations Officer of the Anargya ITS EV Team, Mahsarana Farza, their innovation is driven by the global demand for clean energy and the rapid advancement of EV research in Indonesia. Although the entire innovation process is implemented by students, the technological standards they achieve are comparable to those in the automotive industry. "From battery design and chassis development to the electrical system, all components comply with international standards," he explained.

Carrying the tagline Always Energized, this team has achieved notable success on the international stage. Among its accomplishments is securing the championship title for three consecutive years at FSAE Japan. In addition, the team has won the overall champion title for two consecutive years at the Pi-EV category of Formula Bharat in India. These achievements demonstrate the Anargya ITS EV Team's substantive contribution to advancing research in environmentally friendly energy and sustainable mobility.



ITS's Flagship Surface Vehicle

As a maritime nation, Indonesia requires reliable and efficient mobility across its waters. Responding to this strategic need, ITS has established Barunastra, a flagship research team dedicated to maritime innovation. Going beyond the development of conventional vessels, this team focuses on designing an Autonomous Surface Vehicle (ASV), an unmanned boat equipped with artificial intelligence to address critical challenges related to safety and operational efficiency at sea.

According to the Public Relations Officer of Barunastra ITS team Viola Agatha Pandiangan, the primary strength of this innovation lies in its highly accurate autonomous navigation system. This vessels is capable of independently mapping designated areas and recognizing human hand gestures in real time. "This technology enables the vehicles to perform high-risk operations such as hull inspections, regional mapping, and search and rescue missions," she said.

Viola, a student from ITS Department of Engineering Physics, further explained that the team's success is underpinned by an effective organizational structure, precise research, and systematic testing procedures. This sustained commitment has resulted in six world championship titles, including top recognition in the business plan category. In addition, the Barunastra ITS team has secured more than 13 national-level victories, underscoring the impact and competitiveness of their maritime innovation.







Independent Research on Humanoid Robots

In addition to its achievements in automotive innovation, ITS is also home to a leading robotics team that underpins many of the university's accomplishments, namely the Ichiro team. According to Oktab Bahar Ramadhani, General Manager of the Ichiro ITS team, the group focuses on the development of humanoid robots through mechanical, electrical, and software research conducted entirely in-house. "We design the robot's body, manufacture its internal electrical components, and develop state-of-the-art algorithms from scratch," Oktab explained.

A student of the Department of Electrical Engineering at ITS, Oktab further elaborated that the Ichiro team develops a range of technologies integrated into their robotic platforms. These include object detection, motion control, and high-frequency communication systems. This suite of technologies enables the Ichiro robot to maneuver with agility and perform various complex tasks.

Oktab also emphasized that the technological research embedded in the Ichiro ITS robot extends beyond competition settings and is translated into real-world applications. Their innovations have the potential to support disaster mitigation efforts and are applied in sectors such as healthcare and industrial systems. Over its 13 years of existence, the team has secured more than 13 international awards and achieved championship titles in three RoboCup categories in 2024. Furthermore, the Ichiro ITS team actively disseminates its knowledge so that it can be utilized by the wider public and other researchers. **(oko/sal)**



ITS Awards - Achievements

#ITSHomeof Champions

Barunastra ITS Team (Autonomous Surface Vehicle)

- 1st Place (Champion) in the Autonomy Challenge at the International RoboBoat Competition (IRC) 2025 in Florida, USA (March 2025).
- 2nd Place in the Design Documentation category at the same event, surpassing teams from MIT and the University of Michigan.



Ichiro ITS Team (Humanoid Robot)

- 16 Awards at the FIRA RoboWorld Cup 2025 in Daegu, South Korea (August 2025), including 1st Place in United Challenge, All-round, Manipulation, Hybrid, and Mobility categories (Humanoid Adult Size).
- 1st Place in the Technical Challenge at RoboCup 2024 in Eindhoven, Netherlands.



Rivera ITS Team (Robot Contest)

- 1st Place at the Indonesian Robot Contest (KRAI) 2025, securing the national title before advancing to the international stage.

Antasena ITS Team (Hydrogen Car)

- 1st Place (Winner) in Vehicle Design (Prototype) at the Shell Eco-marathon (SEM) Asia-Pacific and Middle East 2025 in Qatar.
- 3rd Place in On-Track Prototype Hydrogen Fuel Cell and recipient of the Carbon Footprint Reduction Award at the same event.

Anargya ITS Team (Electric Formula)

- 1st Place in the Overall Event at Formula Bharat Pi-EV 2024 in India.

Assoc. Prof. Sri Fatmawati, Ph.D. (Department of Chemistry)

- Winner of the Female Science Talents Intensive Tracks 2024, awarded by The Falling Walls Foundation, Germany.
- Recipient of the Grassroots Science Advice Promotion Awards 2024 by the International Network for Governmental Science Advice (INGSA-Asia).
- Named in the Top 100 Asian Scientists 2024.



PIMNAS 38 (National Student Scientific Week) 2025

- Secured a total of 10 Awards (Gold, Silver, and Bronze medals) across various presentation and poster categories.

Bayucaraka ITS Team (UAV/Drone)

- Champion titles in multiple categories (Racing Plane, VTOL) at the Indonesian Flying Robot Contest (KRTI) 2025.

Temu Karya Mutu dan Produktivitas Nasional (TKMPN) 2024

- Platinum Medal awarded to Aziz Hakim Astqolani (SIMT ITS) with the "AIA GENLITS" innovation team.
- Gold Medal awarded to Wahyu Aditya Rahman (SIMT ITS) with the "ULDC" innovation team.
- Platinum and Gold Medals achieved by the "Last Detectives" team for innovations in academic service management and content strategy.



ITS Aspirations for Greater Sustainable Impact in 2026

This Article Supports Numbers of
Sustainable Development Goals



Entering 2026, the members of ITS academic community carry a shared aspiration to create more enduring and sustainable impact. Lecturers, education staff, students, and alumni are now aligning their intentions and progressive actions as a concrete manifestation of their commitment to sustainability. Whether directed toward themselves, their beloved campus, or society at large, these aspirations mark the beginning of a collective journey toward more meaningful and lasting change.

1

Prof Dr Ir Aulia Siti Aisjah MT
Chief of Patriot Expedition ITS

This year, I hope we can undertake a more thorough preparation process before embarking on the ministry's activities. This includes the development of more detailed planning documents and improved Standard Operating Procedures (SOPs), as well as ensuring that the team remains in good health and is equipped with the necessary knowledge and skills for the region. As the Chief Executive, I will also be able to closely monitor and evaluate the program through the risk mitigation team, which prioritizes health and safety.

2

Prof Dr Ir Murni Rachmawati MT
Lecturer of The Department of Architecture ITS

Moving forward, I aspire to develop an integrated research ecosystem within academic activities, beginning with small steps and fostering continuous research efforts.

3

Dr Ir Arief Abdurrahman ST MT
Lecturer of The Department of Instrumentation Engineering ITS

During this year, I aim to contribute more actively to strengthening coordination among the ITS academic community, thereby supporting ITS in its goal of becoming one of the top 300 World Class Universities (WCU). Additionally, I really hope to deepen my understanding of the key aspects of WCU assessments and promote the implementation of improved governance practices to assist ITS in its continued advancement in global rankings.

4

Muhammad Ridha Tantowi
Class of 2014 Alumni of The Department of Architecture ITS

Based on my expertise and current field of work, I aim to contribute to educating the Indonesian people and government on the importance of fire safety engineering. Given the ongoing prevalence of fires in Indonesia, I believe that it is crucial to raise awareness about preventive measures in order to foster a safer environment for the future.

#ITSSays

What
They
Say?

Odi Anindito

Class of 1998 Alumni of The Department of Informatics Engineering ITS

As a person who works in the food and beverage (F&B) industry, one of the principles that we use to maintain sustainability is to maximize the usage of local raw materials and resources as much as possible. This includes not only labor and raw materials but also other operational requirements. Additionally, we strive to create value and benefit for all stakeholders involved.

5

Satriana

Class of 1999 Alumni of The Department of Geomatics Engineering ITS

From my perspective as an educator, the primary contribution I can make is through education. Teaching children and providing insights to the youth aligns with the Sustainable Development Goals (SDGs), particularly in the area of education. I hope that there will be increased awareness of the SDGs among students and young people, enabling them to become more informed and actively engaged in their realization.

6

Sori Fahruri

Class of 1998 Alumni of The Department of Marine Engineering ITS

As an individual focused on energy, I recognize a simple action, such as turning off lights when not in use or replacing them with more energy-efficient alternatives, can serve as initial contributions that anyone can make. Additionally, reducing the use of private vehicles in favor of public transportation can have a significant impact, although this transition is often obstructed by concerns related to comfort and established habits.

7

Almas Zafar

Postgraduate Student ITS from Pakistan

I aim to conduct research that not only advances scientific knowledge in the field of chemistry but also provides tangible solutions that can benefit society at large. Additionally, I also hope to become more actively engaged in both campus and international community activities, ensuring that my contributions extend beyond the laboratory and support the development of international students during their time at ITS as well.

8

It is Now **Your** **Turn** to Make an **IMPACT!**

What small
step will you
take for a
BETTER 2026?

9

Tepy Lindia Nanta

The 1st Runner Up of Most Outstanding Student National Diploma Category 2024

In the future, I aim to focus on the SDGs through innovations in the field of instrumentation, such as portable agricultural technologies, microalgae-based air purifiers, and disaster victim search drones. This can be initiated by identifying environments that share a similar vision and making progressive actions each day until a tangible product is realized. Additionally, I intend to remain actively engaged in many organizations while maintaining my academic focus. I hope that each of these endeavors will contribute to a sustainable and lasting impact on society.

10

Dicky Eka Putra

Undergraduate Student of The Department of Industrial and Systems Engineering ITS

I aim to focus on one simple yet highly challenging aspect, such as consistency. It is not about taking large leaps, but rather about the small commitments I make on a daily basis. This includes setting weekly goals, maintaining discipline in both my studies and work, and gradually improving my habits. This year, my small steps involve showing up every day, persevering without giving up midway, and developing a version of myself that continues to grow, one consistent action at a time.

11

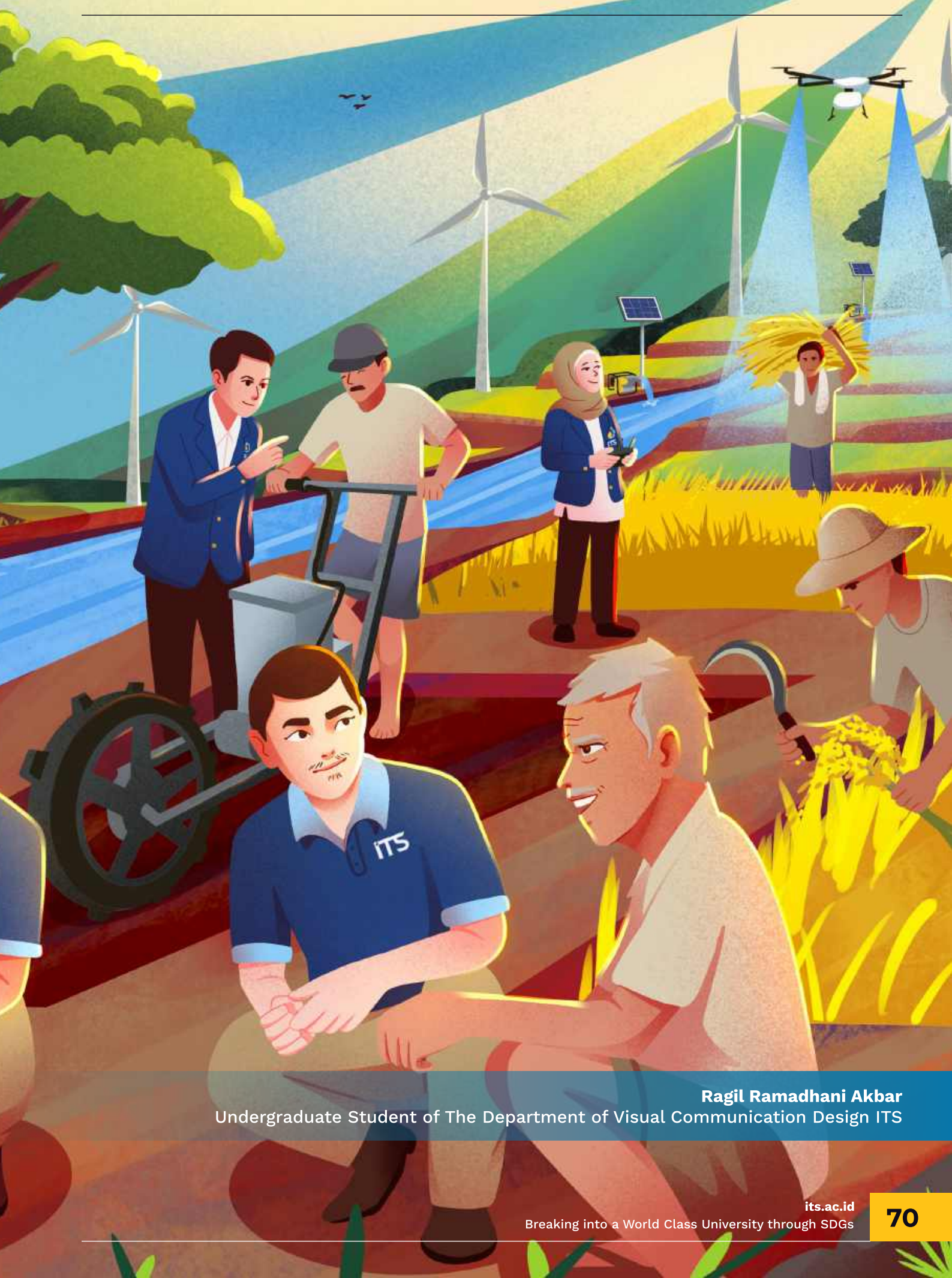
Diavanka Triayu Lestari Ridandi

Undergraduate Student of The Department of Materials and Metallurgical Engineering ITS

Starting with small but consistent actions is surely a key. For example, learning to manage our energy to avoid fatigue and feeling overwhelmed. When we achieve greater stability, we are better able to be present and assist others. One small step I plan to take is committing to a more positive habit each day, such as walking for 10 minutes, journaling for 5 minutes, or reading for a short period. While these actions are simple, if practiced consistently over the course of a year, they will undoubtedly lead to significant positive change.

Patriotism through Innovation **ITS as a World Class University in Action**





Ragil Ramadhani Akbar
Undergraduate Student of The Department of Visual Communication Design ITS

Unit of Public Communication ITS



**Prof. Dr. Ir. Umi Laili
Yuhana, S.Kom., M.Sc.**

Secretary of the Institute



**Yuni Setyaningsih,
S.K.Pm., M.Sc.**

Head of Unit of Public
Communication



**Hafidz Ridho, S.T.,
M.Sc., M.BA.**

Head of Subunit of Public
Relations and
Institutional Image



**Ida Akbar,
S.Sos.**

Head of Subdivision of
Protocol



Unit of Public Communication (UKP) ITS serves as the front line in communicating information across both internal and external campus environments. In addition, UKP is responsible for the planning, governance, and development of activities and excellent services in the areas of public relations, promotion, institutional branding, and protocol management.

In carrying out its duties, UKP oversees the ITS Media Center, which consists of ITS Online, ITS TV, ITS Social Media, ITS Design, ITS Website, and Duta ITS (ITS Ambassadors).

ITS Media Center

ITS ONLINE



ITS TV



ITS SOSMED



ITS DESIGN



ITS WEBSITE



DUTA ITS (ITS AMBASSADOR)



The Rector and the Academic Community of
Institut Teknologi Sepuluh Nopember
Extend Warm Greetings
Happy New Year 2026



(From left to right) Vice Rector for Human Resources, Organization, and Information Systems Technology, **Imam Baihaqi, S.T., M.Sc., Ph.D.**; Secretary of the Institute, **Prof. Dr. Ir. Umi Laili Yuhana, S.Kom., M.Sc.**; Rector of ITS, **Bambang Pramujati**; Vice Rector for Planning, Finance, and Infrastructure, **Dr. Machsus, S.T., M.T.**; Vice Rector for Academic and Student Affairs, **Prof. Nurul Widiastuti, S.Si., M.Si., Ph.D.**; Vice Rector for Research, Innovation, Cooperation, and Alumni, **Prof. Agus Muhamad Hatta, S.T., M.Si., Ph.D.**

ITS

Institut
Teknologi
Sepuluh Nopember

2026



Tangguh - Berdampak - Mendunia



Join the ITS Innovative Generation

#AdvancingHumanity

Creating Impact through Science,
Technology, Arts, and Design

Are you ready to be part of a
world-class university where
ideas meet creativity to shape
solutions for society?

ITS.AC.ID





Institut Teknologi Sepuluh Nopember



ITS_campus | its.ac.id