

## QS WORLD UNIVERSITY RANKINGS BY SUBJECT

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as new members of AIR-AIPI

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# ITS IN THE QS RANKINGS BY SUBJECT WORLD UNIVERSITY 2021

Quacquarelli Symonds (QS) has just released the World University Rankings by Subjects 2021 on March 4, 2021. The QS World University Rankings (QS WUR) by Subject 2021 cover a total of 51 disciplines, grouped into five broad subject areas. The five broad subject areas are Art & Humanities, Engineering and Technology, Life Sciences & Medicine, Natural Sciences and Social Sciences & Management.

The QS WUR by Subject is assessed based on four indicators: its reputation among academics, its reputation among global employers, the number of research citations the university achieves per paper in that subject, and H-index citations. Weightings in the QS WUR by Subject are set variably for each subject. The weighting for specific subject under the broad subject area of "Engineering and Technology" consist of 40% for academic reputation, 30% for employer reputation, 15% for citations per paper, and 15% for H-index citations.

This year, ITS was ranked as the 4th best university in Indonesia, or #401-450 in the world for Engineering and Technology. There are three subjects ranked under the category of Engineering and Technology, i.e., Computer Science & Information, Electrical & Electronic, and Mechanical Engineering. The world rankings for Mechanical Engineering, Computer Science & Information System, and Electrical & Electronic were #351 - 400, #401 - 450, and #451 - 500, respectively.

No.	Subject	2020		2021	
		International Rank	National Rank	International Rank	National Rank
1	Engineering & Technology	451 - 500	4	401 - 450	4
	Computer Science & information system	451 - 500	4	401 - 450	
	Engineering - Chemical	351 - 400	4	-	
	Engineering - Electrical & Electronic	401 - 450	4	451 - 500	
	Engineering - Mechanical, Aeronautical & Manufacturing	351 - 400	3	351 - 400	

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# Six ITS Lecturers Got Selected as New Members of AIR - AIPI

Six lecturers from Institut Teknologi Sepuluh Nopember (ITS) have been selected to be new members of the Engineering Science Commission (Akademi Ilmu Rekayasa/AIR) – Indonesian Academy of Sciences (Akademi Ilmu Pengetahuan Indonesia/AIPI). The six names are Prof. Ir. Priyo Suprobo M.Sc. Ph.D., Prof. Ir. Eko Budi Djatmiko M.Sc. Ph.D., Prof. Dr. Ketut Buda Artana S.T. M.Sc., Prof. Ir. I Nyoman Pujawan M.Eng. Ph.D., Prof. Dr. Ir. Gamantyo Hendrantoro Ph.D., and Dr. Muhammad Nur Yuniarto S.T.

AIPI is a scientific institution that has the authority to provide opinions, suggestions, and considerations on science and technology to the government and society.

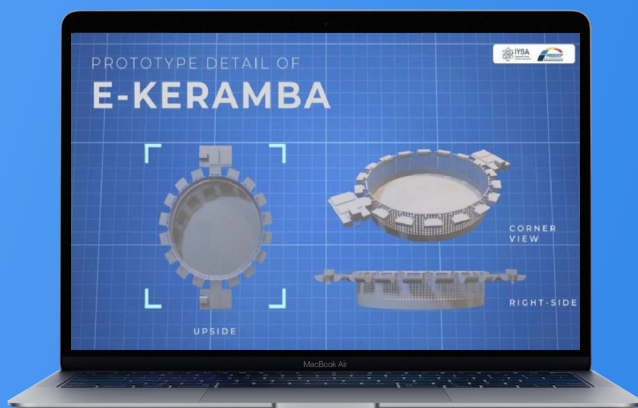
AIPI is known as an independent institution that brings together Indonesian leading scientists. Prof. Ir. I Ketut Aria Pria Utama M.Sc., Ph.D. or familiarly called Prof. IKAP, is the first ITS lecturer that got selected as a member of AIPI in 2015. Five years later since his inauguration, six more ITS lecturers followed his journey as new members of AIR-AIPI. Prof. IKAP said that to be selected as a member of AIR-AIPI is not easy. This is because AIPI does not only seek scientists with dozens of research journals. More than that, AIPI is looking for scientific figures whose work plays a role in the development of Indonesia's human resources. This achievement once again proves that ITS's role in the world of engineering has been more recognized.





## Improving Indonesian Fishermen's Productivity, ITS Students Invented e-Keramba

As a maritime country, the outcomes of Indonesia's marine products have not been optimally utilized. Therefore, ITS students from the Department of System and Industrial Engineering, Institut Teknologi Sepuluh Nopember (ITS) have developed a floating net cage with a feeder system called e-Keramba. They are Alfiyan Rizki Maulidan, Fakhri Ihsan Nalendro, and Hanif Srisubaga Alim.

This invention has various high-technology features. The main feature is the feeder system that will automatically feed the fish. This invention is equipped with an Arduino Mega chip to manage the Feeder system, utilize Global Positioning System (GPS), and the engine movement. This invention also has a remote control so that the fisherman can operate the device from a certain distance. With e-Keramba, Alfiyan and the team took home a gold medal at the ASEAN Innovative and Entrepreneur Fair (AISEEF) 2021. They hope this innovation will improve Indonesian fishermen's productivity.



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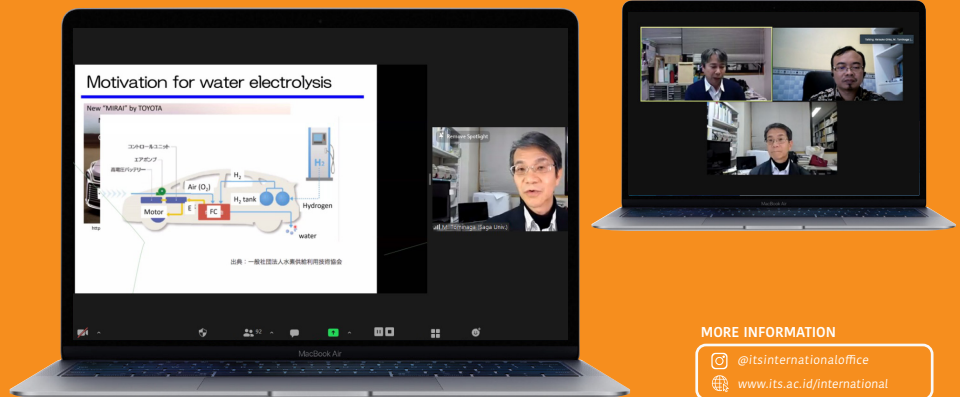


# ITS Successfully Launched Three E - Programs

Amidst the COVID-19 pandemic, Institut Teknologi Sepuluh Nopember (ITS) successfully launched three e-programs at the beginning of March 2021, namely Guest Lecture Series (GLS), Researcher and Research Student Enrichment Program (R2SEP), and Global Learning Program (GLP). On March 2nd, GLS became the first one to be launched. GLS provides participants a deeper understanding of Sustainable Development Goals (SDGs). This Spring, GLS has gathered more than 50 speakers worldwide. Not only for ITS students, but GLS is also open to everyone interested in SDGs.

On March 8th, ITS launched R2SEP. It is a research skills-oriented program where ITS researchers and research students can learn from a series of guest lectures

delivered by 30 worldwide professors and experts. Aiming for better relevance to the audience and potential speakers, the 2021 R2SEP offers four streams allowing speakers and participants to explore research best practices in Hard Engineering, Soft Engineering, Sciences, and Architecture, Design, & Social Sciences. On the same day, ITS also launched GLP. GLP has gathered 16 international lecturers that will give lectures to ITS International Undergraduate Program students.



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## Voice of Partner With Dr. Roman Podraza

“I am Roman Podraza, Ph.D., an Associate Professor at the Faculty of Electronics and Information Technology, Warsaw University of Technology. I had the opportunity to visit Institut Teknologi Sepuluh Nopember (ITS) in February 2019. My visit was organized within the framework of the Erasmus Project. I had an opportunity to discuss potentials of mutual cooperation in research and education. I had lectures on “Advanced Programming” and I ran a workshop on “How to Improve Idea Presentation” within the framework of Researcher & Research Student Enrichment Program (R2SEP). I also had a chance to visit the campus, including the really impressive library.

The hospitality of ITS people was extremely warm. When I arrived at the airport I was met by Ms. Yani from ITS Global Engagement. I was very grateful for it, because it is a very significant aid, when you do not have to trouble how to get to your hotel, where to exchange money, especially when you are tired after a really long flight. I brought from Surabaya only exceptionally good memories. I am deeply grateful to my hosts for the wonderful reception. Everything was perfectly organized. I hope I will have a chance to visit ITS once again.”

