



Volume 1 **2024**

SUSTAINABLE DEVELOPMENT GOALS

*Bridging the Academic Gaps
during the Pandemic Time*
Menjembatani Kesenjangan
Akademik di Masa Pandemi





DAFTAR ISI

#SDGS ITPLN

DTable of Contents	i
Introduction (Prof. Iwa)	ii
ITPLN Data and Facts	1
About ITPLN	2
	4
SDG 1	
Menghapus Kemiskinan	
<i>No Proverty</i>	11
SDG 3	
Kesehatan yang Baik dan Kesejahteraan	
<i>Good Health and Well-Being</i>	16
SDG 4	
Pendidikan Bermutu	
<i>Quality Education</i>	20
SDG 5	
Kesetaraan Gender	
<i>Gender Equality</i>	22
SDG 7	
Energi Bersih dan Terjangkau	
<i>Affordable and Clean Energy</i>	25
SDG 11	
Kota dan Komunitas yang Berkelanjutan	
<i>Sustainable Cities and Communities</i>	29
SDG 12	
Konsumsi dan Produksi yang Bertanggung Jawab	
<i>Responsible Consumption and Production</i>	31
SDG 16	
Perdamaian, Keadilan, dan Kelembagaan yang Kuat	
<i>Peace, Justice, and Strong Institutions</i>	33
SDG 17	
Kemitraan untuk Mencapai Tujuan	
<i>Partnerships for the Goals</i>	

Sambutan Rektor



Prof. Dr. Ir. Iwa Garniwa Mulyana K., MT

With gratitude, I extend my warmest greetings to the readers of this booklet. The PLN Institute of Technology (ITPLN) remains committed to supporting the achievement of the Sustainable Development Goals (SDGs) through quality education, innovation, and contributions in the energy and electricity sectors.

As an institution focused on the electricity industry, ITPLN produces excellent human resources who are able to compete globally and support sustainable energy transition. This year's transformation of new student admissions is a strategic step in maximizing the potential of the younger generation to support sustainable development.

I would like to express my appreciation to PT PLN (Persero), our partners, and the entire ITPLN academic community for their continued support and cooperation. Together, we continue to move towards an environmentally friendly, fair, and sustainable future.

Facts & Data



01 FKET

Fakultas Ketenagalistrikan dan Energi Terbarukan

- S1 Technical Electrical Engineering
- S1 Technical System Energy
- Bachelor of Electrical Engineering.

FKET prepares its graduates to become competent experts in the energy industry with strong technical skills and a deep understanding of sustainable energy solutions.



02 FTBE

Fakultas Teknologi dan Bisnis Energi

- S1 Teknik Mesin
- S1 Kewirausahaan
- S1 Teknik Industri

FTBE aims to produce professionals who are not only skilled in technical aspects but also have the managerial and entrepreneurial skills necessary to manage and develop energy businesses.



03 FTIK

Fakultas Teknologi Infrastruktur dan Kewilayahan

- S1 Teknik Sipil
- S1 Geografi
- S1 Teknik Lingkungan

FTIK educates students to become experts in planning, developing, and managing sustainable infrastructure and the environment.



04 FTEN

Fakultas Telematika Energi

- S1 Teknik Informatika
- S1 Sistem Informasi

FTEN specializes in information technology and telecommunications in the context of energy. The faculty aims to develop IT professionals who are able to apply information technology to improve the efficiency and sustainability of the energy sector.



05 Sekolah Vokasi:

- D3 Teknologi Listrik
- D3 Teknik Mesin

This school focuses on developing practical skills needed by industry, with a hands-on learning approach in the field.



06 Sekolah Pascasarjana:

- S2 Teknik Elektro
- S2 Teknik Sipil
- S2 Ilmu Komputer
- S2 Teknik Mesin

This school aims to produce graduates who are capable of becoming leaders in technological innovation and policy development in the energy and electricity sectors.



INSTITUTE



Bond Work

150

The best candidates selected at the bachelor's degree level will receive employment contracts with the PLN group

100

The best bachelor's degree graduates will be recruited by the PLN group.

The ITPLN Work Experience Program is a strategic initiative that aims to produce high-quality graduates who are ready to work at PT PLN (Persero).

During their studies, students will be involved in various real-world projects and internships at PLN units such as power generation, transmission, and distribution. This will give them hands-on experience and a deep understanding of the operations and challenges of the energy industry. Additionally, they will gain access to the latest facilities and technologies used at PLN, enriching their learning experience and enhancing their practical skills.

This collaboration builds a strong bridge between the education sector and industry, making graduates better prepared to tackle challenges in the workplace. Furthermore, selected students will be directly employed by PT PLN (Persero) upon graduation, opening up exciting career opportunities and ensuring the absorption of graduates into the energy sector as a whole.



Total Students

4.229



The Institut Teknologi PLN (ITPLN) has a total of 4,229 students enrolled in various study programs and levels of education. Of this number, 3,862 students are enrolled in bachelor's degree (S1), diploma (D3), and employee bachelor's degree (S1) programs, while the remaining 367 students are enrolled in master's degree (S2) programs. This data reflects the diversity of educational levels offered by ITPLN to support the development of its students' competencies.



History and Profile

Initially, ITPLN was called STT-PLN, operating since 1998, with its campus located at the Indonesia Power Building, Jl. Gatot Subroto. ITPLN is managed by the PLN Education and Welfare Foundation, abbreviated as YPK-PLN. YPK-PLN was established by PLN in the same year, 1998. In January 2020, STT-PLN changed its form to ITPLN.

The main objective of establishing ITPLN is to create a forum for PLN experts to transfer their knowledge to the next generation. Along with the increasing demand for electrical energy, large-scale power plants using fuel oil, coal and gas have also begun to be built. The same applies to geothermal power plants (PLTP). The rapid growth in demand on the island of Java led to the creation of the Java-Bali interconnection system, which spans thousands of kilometers and uses extra-high voltage of 500 kV. Given the background of PLN as described above, skilled personnel from the disciplines of civil, electrical, mechanical, and information technology engineering have been a necessity throughout PLN's existence. This is why ITPLN was established.

History ITPLN and Vision Mission

Visi

To become an international, modern, independent, and leading university in the field of energy and environmentally-friendly technology application.

Misi

1. Organizing modern, independent, and excellent academic and vocational education programs with good international standard governance;
2. Conducting applied research focused on energy and environmentally friendly technology for human welfare;
3. Carrying out Community Service (PKM) in the form of guidance, training, consultation, and community empowerment;
4. Building partnerships with various parties at the national and international levels, in order to ensure continuous improvement and the sustainability of the quality of outputs/products and services;
5. Contributing to the country by creating human resources with high moral character and competitiveness.

OUR ACTIVITIES AND CONTRIBUTIONS IN SDGs



SUSTAINABLE DEVELOPMENT GOALS

The Sustainable Development Goals (SDGs) adopted by all Member States of the United Nations in 2015 are an urgent call to action by all countries—developed and developing—in global partnership. They recognize that ending poverty and other deprivations must go hand in hand with strategies that improve health and education, reduce inequality, and spur economic growth—all while addressing climate change and its impacts such as forced migration, and working to preserve oceans and forests.

Although the SDGs do not focus on higher education, achieving the Sustainable Development Goals by 2030 will require contributions from all elements. This will require various sectors and actors to work together in an integrated manner by pooling financial resources, knowledge, and expertise. This must include university and higher education resources.

The Impact Rankings are the first global effort to measure the progress of universities specifically around the SDGs. They can be a catalyst for action, a mechanism for holding our universities accountable, and an opportunity for them to highlight the great work they have been doing.

SDG 1: No Poverty

At least 10% of the world's population lives in extreme poverty, unable to meet their most basic needs—food, health, education, access to clean water and sanitation.

Universitas harus mampu menunjukkan bagaimana mereka membantu mengatasi masalah ini melalui pekerjaan mereka. Sebagai pemberi kerja dan pusat ekonomi, universitas memiliki peran langsung dalam mengurangi kemiskinan di komunitas mereka. Dengan memberikan pendidikan berkualitas kepada orang-orang dari latar belakang yang lebih miskin, mereka membantu menghapus kemiskinan antargenerasi.

SDG 1 is broadly related to other SDGs, as the poorest communities are most at risk from the direct effects of unsustainability. Specifically for higher education, SDG 1 can be linked to education, equity, and economic growth. Poor people are most likely to suffer from hunger (related to SDG 2) and lack of access to clean water (related to SDG 6).

Scholarship Program

APERTI BUMN

This scholarship is APERTI BUMN's contribution to national development, particularly in improving human resources (HR). In 2019, APERTI BUMN awarded full scholarships until graduation to 30 outstanding young men and women from various regions in Indonesia. This year, 2020, marks the second year that APERTI BUMN has provided educational scholarships for 40 high-achieving high school graduates to continue their education.

Beasiswa 3 T

The 3T (Frontier, Outermost, and Disadvantaged) Excellence Scholarship is a scholarship intended for students from 3T areas, both new students (newly accepted) and current students (ongoing) at the undergraduate, master's, and doctoral levels at universities.



YBM PLN Cahaya Pintar

The Baitul Maal Foundation (YBM) of PLN UID East Java provides Cahaya Pintar Scholarships to orphaned children, even those who have lost both parents. This initiative is part of the YBM PLN education program to improve the quality of children's education, minimize school dropouts, and ease the burden on underprivileged families. This activity is carried out regularly every semester or twice a year.



Beasiswa Pemda Papua

The Papua Regional Government has once again entrusted STT-PLN with providing education to 65 indigenous Papuan students. In 2017, the Papua Regional Government sent 60 students to study under the PAPUA Unggul (Excellent Papuan Students) program at the #ksatriapetir campus. According to Mr. Aryoko AF. Rumaropen, SP., M.Eng, Head of the Special Autonomy Bureau, STT-PLN was chosen to improve human resource skills, especially in the fields of energy and electricity.

Beasiswa Prestasi YPK PLN

Please be informed that the PT PLN (Persero) Education and Welfare Foundation will provide educational assistance to outstanding IT-PLN students from PT PLN (Persero) families during the 2020/2021 academic year.

PITPLN Holds National Seminar on “The Role of Engineers in Energy Transition Based on the Professional Engineer Program”

The PLN Institute of Technology (ITPLN) held a national seminar on “The Role of Engineers in Energy Transition Based on the Professional Engineer Program” at the ITPLN Campus, Duri Kosambi, West Jakarta (June 1, 2024). This seminar was held to discuss the contribution of engineers in supporting sustainable energy transition in Indonesia.

The seminar was opened by the Rector of ITPLN, Prof. Dr. Ir. Iwa Garniwa, M.T., IPU. In his speech, Prof. Iwa emphasized the importance of the role of engineers in developing innovative and sustainable technological solutions to face future energy challenges. “Engineers have a strategic role in driving energy transition. Expertise and innovation are essential for creating more efficient and environmentally friendly energy systems,” he said.

The first speaker was Prof. Dr. Ir. Djoko Santoso, M.Sc., Professor at the Bandung Institute of Technology and Director General of Higher Education and Culture (2010–2014). The second speaker was Dr. Ir. Faizal Safa, M.Sc., IPU., ASEAN Eng., Chair of the Industrial Engineering BKE – PII. The seminar was moderated by ITPLN Vice Rector IV Dr. Ir. Pawenary, M.T., MPM., IPU., ASEAN Eng. The event was attended by all undergraduate and graduate students of the PLN Institute of Technology.



ITPLN Gelar Seminar Nasional “Peranan Insinyur dalam Transisi Energi Berbasis Program Profesi Insinyur”

Leadership Development Program 1 (LDPI) Batch 2

Jakarta – The Rector of the Institut Teknologi PLN (ITPLN), Prof. Dr. Ir. Iwa Garniwa MK, MT., IPU., officially closed the Leadership Development Program 1 (LDPI) Batch 2 series of events at the Ragunan Education and Training Center (Pusdiklat) on July 12, 2024. The event, which began on July 8, 2024, was officially opened by the Chairman of the PLN Education and Welfare Foundation (YPK) Ir. Supriyadi MBA at Graha YPK PLN.

LDP-1 is a training program to improve leadership capabilities, primarily equipping participants with soft competencies consisting of: Touch the heart, Open the mind, Sharpen the skills, and Ideation. At the end of the in-class training, participants will continue with a 6-month Breakthrough Project aimed at supporting WCU, followed by managers, directors, and deans from all ITPLN.



Expert speakers from PLN, corporations, and universities LDPI Batch Two featured prominent speakers from PLN, various corporations, Bogor Agricultural University and University of Indonesia, PLN Education and Welfare Foundation, and experts from ITPLN. Participants gained new, interesting, and relevant material to apply in the ITPLN environment.



Appreciation from the ITPLN Rector

The ITPLN Rector expressed his high appreciation to the ITPLN Training Center (ITPLNTC) for its excellent program design. He stated that the material presented was very important for improving the capabilities and competencies of ITPLN leaders. The application of the knowledge gained from LDPI is expected to help ITPLN achieve World Class University (WCU) status more quickly. Prof. Iwa also advised that leadership and target achievement can be aligned through synergy and collaboration.

Positive Impressions of Participants

The participants of LDPI Batch Two expressed positive impressions of the program. They felt that they had gained new insights and knowledge that would be very useful to apply in their daily tasks at ITPLN. The material presented was considered highly relevant and had a positive impact on institutional development.

With the conclusion of LDPI Batch 2, all participants are expected to apply the knowledge they have gained to bring ITPLN to greater heights. This step is expected to support ITPLN in achieving World Class University status.

The closing of Leadership Development Program 1 (LDPI) Batch 2 by the Rector of ITPLN marks an important step in ITPLN's efforts to achieve World Class University status. With the new knowledge and insights gained from this program, ITPLN leaders are expected to lead the institution towards greater achievements.



ITPLN Career Day 2024 Event: Career Day and Studium Generale Successfully Held

Career Day and Studium Generale Successfully Held by the PLN Institute of Technology (ITPLN). The series of events took place from November 21 to 22, 2024, featuring PLN's Board of Directors as speakers. The event was held enthusiastically at the ITPLN Campus, attracting students and other participants who were eager to gain insights into future career development.

The Studium Generale, themed "The Role of Engineers Toward Indonesia's Golden Age in 2045," featured Wiluyo Kusdiharto, Director of Project Management and Renewable Energy at PT PLN (Persero), as a speaker. He shared his experiences, tips for success, and challenges in the workplace, as well as how Indonesia needs engineers. Additionally, it highlighted the importance of technological adaptation and innovation as the main pillars of progress in the energy industry.

The Rector of ITPLN, Prof. Dr. Ir. Iwa Garniwa MK, MT., IPU., ASEAN Eng, emphasized the importance of collaboration between the world of education and industry during his session. "This event is clear evidence of ITPLN's commitment to bringing students closer to the professional world, so that they can be ready to compete and contribute their best to the nation," said Prof. Iwa.

The Career Day session, held concurrently, featured various information booths related to job opportunities, internships, and career development programs from PLN and other companies. This event provided students with the opportunity to directly discuss and network with company representatives.

ITPLN students welcomed this event positively. "The opportunity to hear directly from PLN executives about their experiences was very inspiring, especially with the Career Day helping us understand relevant job opportunities," said one student.

Career Day and Studium Generale Successfully Held, ITPLN continues to prove its role as a higher education institution that not only focuses on academic quality but also on student career development and the rapid absorption of ITPLN graduates into the workforce.

Developing Waste Management and Utilization Programs, ITPLN Collaborates with PLN and Local Government

(Magelang, Central Java, March 8, 2024) – A monumental step in the effort to manage waste efficiently and sustainably took place in Tanjungsari Village, Magelang. On Friday, March 8, 2024, the PLN Institute of Technology (ITPLN) signed a Memorandum of Understanding (MoU) with the Head of Tanjungsari Village and a Cooperation Agreement (PKS) with KPP Sekar Tanjung Maju.

This signing is a strategic step in advancing the waste management and utilization program in Tanjungsari Village. This CSR project can be completed in 6 months with the assistance, cooperation, and collaboration of PLN, the Environmental Agency, and KSM Sekar Tanjung Maju. Tanjungsari Village.

The waste management and utilization program initiated by ITPLN aims to convert waste into Refuse Derived Fuel (RDF), which will be used as additional fuel (cofiring) for the Steam Power Plant (PLTU). This initiative is expected to provide significant social, economic, and environmental benefits for the surrounding community.



The inauguration ceremony was attended by PLN and local government officials. It began with a speech by the Manager of PLN UP3 Magelang, Imbar Susanto, who expressed his delight at the implementation of this program and his hope that it would greatly benefit the community of Tanjungsari Village. "This program is a strategic step in supporting the use of renewable energy and effective waste management. We hope that this collaboration will greatly benefit the community of Tanjungsari Village and its surroundings," said Imbar Susanto.

The remarks from ITPLN Vice Rector IV for Cooperation and Business, Dr. Ir. Pawenary, M.T., MPM, IPU ASEAN Eng, also emphasized the importance of inter-sectoral cooperation in supporting sustainable development. We are ready to accommodate RDF from Magelang for you to carry out blending/co-firing at PLN IP Adhipala through our subsidiary, PT. ADC. "This program is clear evidence of ITPLN's commitment to supporting sustainable development and responsible resource management," said Pawenary.

ITPLN Students' Micro Hydro Power Plant to Supply Electricity to 16 Houses

Bogor – The Institut Teknologi PLN (ITPLN), through its Student Activities and Counseling Agency (BKMK), assisted the student association of the mechanical engineering undergraduate program in carrying out Community Service (PKM) by building an ITPLN Student Micro Hydro Power Plant in Babakan Banten Village, Bogor Regency, West Java. (June 14, 2024)

Community Service is one of the pillars of higher education. Therefore, ITPLN students are committed to serving the community in need. Electricity is a vital necessity for people today, as every household has electronic devices to facilitate their daily lives.

In this context, ITPLN students from the Mechanical Engineering program developed a Micro Hydro Power Plant (PLTMH). ITPLN students utilized the available resources in the village, specifically the river flow. The river flow was harnessed to rotate the turbine, thereby converting the river flow into electrical energy.



In his message, BKMK Manager Agus Zaini, SE, said, "Hopefully, this can help and benefit the local community and be maintained by the residents," he said.

As is well known, ITPLN is a campus that focuses on energy and environmentally-friendly applications, so it is only fitting that it serves the community in the field of energy. This also encourages the implementation of the curriculum system applied at ITPLN, which is 40% theory, 40% problem solving, and 20% industry lectures.

Good Health and Well-Being.



SDG 3: Good Health and Well-being



Komitmen ITPLN Menjaga Lingkungan Yang Aman, Gelar Sosialisasi PPKS

Institut Teknologi PLN (ITPLN) menggelar sosialisasi Pencegahan dan Penanganan Kekerasan Seksual (PPKS) bertema “Perlindungan Hukum bagi Korban Kekerasan Seksual di Lingkungan Perguruan Tinggi” di Ruang Pembangkit ITPLN pada 14 November 2024. Acara ini dihadiri oleh mahasiswa, dosen, dan staf kampus, serta menghadirkan tiga pembicara yaitu, Pusat Riset Hukum BRIN Penny Naluria Utami, Psikolog Klinis Marissa Meditania dan Legal ITPLN Detryana Gitadewi.

Penny Naluria Utami menjelaskan bahwa keberadaan Satuan Tugas (Satgas) PPKS di kampus sangat penting untuk menangani kekerasan seksual dengan cepat dan tegas. “Dengan adanya Satgas ini, kami berharap mahasiswa yang menjadi korban kekerasan berani melapor dan mendapatkan perlindungan hukum yang jelas,” ujar Penny.

Hal ini sejalan dengan pepatah “Berani karena benar, takut karena salah,” yang mengingatkan bahwa hanya dengan keberanian untuk melapor, korban dapat mendapatkan keadilan.

Marissa Meditania emphasized that the impact of sexual violence is not only physical, but also psychological, and can last for a long time. “The psychological impact is often more dangerous than physical injuries, because it can disrupt the victim’s quality of life in the long term,” she said. She also added the importance of psychological support to help victims recover and continue their lives normally.

Meanwhile, Detryana Gitadewi emphasized that the university is committed to providing maximum legal protection for victims of sexual violence. “We at ITPLN are committed to processing every report seriously and providing legal protection in accordance with applicable regulations,” said Detryana.



ITPLN Holds Blood Donation Event to Celebrate 26th Anniversary

Institut Teknologi PLN (ITPLN), celebrated its 26th anniversary by organizing a blood donation event at the ITPLN campus. The event, held today on Monday, May 13, 2024, aims to donate blood as a form of care for others and to commemorate a historic moment for the institution.

The event was attended by Vice Rector III, Ir. Ishvandono Yunaini A, M.M., Manager of Student Activities and Counseling, Agus Zaini, SE, Social Action Supervisor, Andi Makkulau ST., M.IKom., MT, representatives from Palang Merah Indonesia (PMI) Tangerang City and enthusiastic ITPLN students participating in this humanitarian activity. Participants in the blood donation drive flocked to the designated area to contribute their blood as a positive contribution to helping those in need.

Socialization About Hydroponics For Meeting Needs Vegetables and Their Uses Limited Space in Islamic boarding school

Food is a primary need for humans, especially in the current situation of pandemic and limited food distribution. To meet these food needs, it is necessary to cultivate crops that are suitable for the environment. One environment that is densely populated with students and teachers is Islamic boarding schools. Islamic boarding schools have limited land. Therefore, crop cultivation that is suitable for the environment of Islamic boarding schools is needed, such as hydroponics. Hydroponics is a method of cultivating plants using water without using soil as a growing medium. To meet the nutritional needs of plants, water that has been enriched with certain nutrients required by plants is needed. This hydroponic method has several techniques that can be chosen according to the capabilities and costs available. This makes it possible to develop it in Islamic boarding schools. One of the Islamic boarding schools whose environment is used for hydroponic plants is the Nurul Huda Islamic Boarding School. This boarding school has 60 students, most of whom stay in the boarding school dormitory. Some of the students are orphans and underprivileged or from underprivileged families. The boarding school has limited land and many needs for food sources, especially vegetables. Nurul Huda Islamic Boarding School has limited land and can still be used for hydroponic plants at the back of the building.



PKM ITPLN Socializes IoT-Based PLTS



The Institut Teknologi PLN (ITPLN) held a Community Service (PkM) event at State Senior High School 7 Tangerang, Banten, on November 6, 2024. The ITPLN PkM team promoted IoT-based solar power plants, consisting of the Faculty of Electrical Engineering & Renewable Energy and the ITPLN Vocational School of Electrical Engineering, led by Muchamad Nur Qosim and involving members Aas Wasri Hasanah, Tonny Koerniawan, Rummi Sirait, Satrio Yudho, Albert Gifson, and Juara Mangapul Tambunan. They conducted training on the Cloud IoT-based Solar Power Plant Monitoring System, which was enthusiastically received by students and teachers.

This training introduced IoT-based PLTS technology that enables real-time power monitoring and management through a cloud-based system. ITPLN, as a pioneer in renewable energy education, aims to equip the younger generation with new insights and skills in the field of electricity, especially those that utilize solar energy as a renewable resource.

Students and teachers from SMA Negeri 7 Tangerang expressed their appreciation for this opportunity. The school principal stated that this training opened new perspectives on the importance of renewable energy innovation in addressing future energy challenges. One student remarked, "This training was very beneficial and opened our eyes to more environmentally friendly energy technologies."

Muchamad Nur Qosim, head of the PkM team, also expressed his delight at seeing such high enthusiasm among students. According to him, this proves the young generation's great interest in innovative and sustainable technology.

PKM ITPLN Socializes IoT-Based PLTS, this training is expected to be the first step in shaping a superior generation in renewable energy technology, while strengthening ITPLN's commitment to making a real contribution through the sustainable use of natural resources for the community.

LINK Berita :

- [PKM SMAN 7 Tangerang Banten](#)



SPORTS FACILITIES

Sports play an important role in human development. Experts believe that sports are the best way to build fitness, health, discipline, moral and emotional health, and various life skills. Participation in sports is generally accepted as an effective tool for developing the human body. In academic development, it is fully believed that sports and physical activities are part of both academic and non-academic development. Therefore, utilizing sports to develop humans academically and non-academically has become the main recipe at the ITPLN campus. To bridge this, ITPLN provides facilities in the form of Sports Facilities.

Sports Facilities are one of the facilities on the ITPLN campus that are intended to provide a venue for all elements of the campus so that it can become a place that not only accommodates those who want to exercise, but also serves as a means of refreshing and socializing between campus elements such as the Student Creativity Unit and Student Associations. The sports facilities at ITPLN include a basketball court, volleyball court, jogging track, and bicycle track, all of which are located on campus.

PANDORA BOX "Understanding Childhood Trauma and Hopes for the Future"



Everyone has an inner child that grows with them. The emotional baggage we carry from the past, traumatic events we haven't let go of, and unfulfilled hopes shape who we are today.

So why do we need to get to know and make peace with the "little child" inside us?

Let's find the answer in a seminar held by BKMK ITPLN entitled "Pandora's Box: Understanding Childhood Trauma and Hopes for the Future."

Check your mental health for FREE



Find out what your risk factors are for anxiety, depression, and stress with Naluri's mental health assessment.

What is Instinctive Mental Health Assessment?

Using the Depression, Anxiety, and Stress Scale (DASS-21) to assess mental health.

The DASS-21 is a brief assessment consisting of 21 items that will help you identify your risk factors for depression, anxiety, and stress. Although this assessment is an indicator of risk factors, it is not intended to diagnose any condition.

You are encouraged to share your DASS-21 results with a mental health professional to gain a better understanding.

NO SMOKING AREA



The ITPLN campus has launched the Beautiful Campus Free of Cigarette Smoke Movement (KIBAS) since 2018. This is in line with the campus' commitment to providing comfortable learning and activity spaces with clean and fresh air. One of the commitments made is to post NO SMOKING signs in every corner of the campus on every floor. The entire ITPLN academic community fully supports this movement.

"NO SMOKING" warning sign on the campus of the PLN Institute of Technology (ITPLN). This warning sign uses red as the dominant color to emphasize the prohibition with a universal symbol of a crossed-out cigarette, accompanied by the words "NO SMOKING AREA" in English to reinforce the message.

This sign is placed on a clean and strategic wall, aiming to remind the entire academic community and visitors not to smoke on campus in order to maintain cleanliness, health, and comfort in the environment. The presence of this sign demonstrates ITPLN's commitment to supporting an environmentally friendly and smoke-free campus in accordance with campus health regulations and policies.



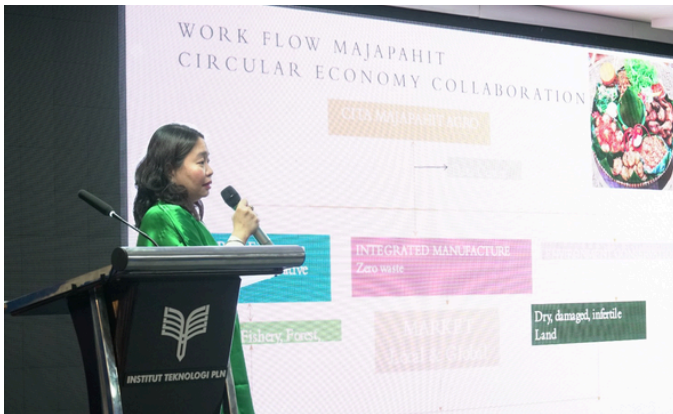
SDG 4 – Quality Education



High-quality education must be an area of excellence for universities. Education is the main gateway out of inequality, especially multi-generational inequality. In addition to improving quality of life, access to inclusive education can help equip local populations with the tools necessary to develop innovative solutions to the world's biggest problems. SDG 4 explores basic education and lifelong learning.

Regular Webinar Implementation Supporting the implementation of Tridharma

To support the implementation of the Tridharma Perguruan Tinggi (Three Pillars of Higher Education), the ITPLN campus regularly holds webinars under the tagline WEBINAR FACULTY SERIES. The webinar series showcases various innovations and technological advances in each faculty at ITPLN. Lecturers from the Faculty of Electrical Engineering and Renewable Energy (FKET), Faculty of Energy Technology and Business (FTBE), Faculty of Infrastructure and Regional Technology (FTIK), and Faculty of Energy Telematics (FTEN) take turns presenting and providing information on the latest technological developments in their respective fields. This webinar also involves industry partners as key stakeholders and targets for graduates, adding a unique dimension to the event. Participants in this webinar series are not only ITPLN faculty members and students but also attract significant interest and attendance from faculty members and students outside the campus.



Technopreneurship Training at ITPLN, Encouraging Students to Innovate

Jakarta, June 26, 2024 – The PLN Institute of Technology (ITPLN) through its Training Center held a training session on the topic of "The Role of Technopreneurship in the Era of Electricity & Internet Access in Rural Areas". This activity was held in a hybrid format at the ITPLN Campus, Duri Kosambi, West Jakarta, and was attended by lecturers and students taking Technopreneur courses and moderated by Acting Manager of Business and Business Incubator Ir. Pandu Angklasito.

This training aims to equip participants with the knowledge and skills to develop technology-based businesses, particularly in the fields of energy and the internet, which are now beginning to penetrate rural areas. The event features two keynote speakers who have extensive experience in technopreneurship.



Gelar Workshop & Coaching Clinic, Dorong Kreativitas Mahasiswa

By presenting a lecturer from the Sepuluh November Institute of Technology (ITS), who has also served as a judge in the PIMNAS PKM event since 2020 Dr. Ing. Doty Dewi Risanti, it is hoped that she will not only provide technical insight, but also inspire participants to explore their best potential in facing real-world challenges. Through direct discussions and the knowledge shared, students can gain a deeper understanding of how creative ideas can be developed, presented, and effectively applied across various fields.

The success of this workshop is expected to have a significant impact on the development of student creativity and innovation, particularly in the field of energy. Through the material and experience gained, it is hoped that participants will be more motivated to develop their brilliant ideas and be ready to face the challenges of implementing technology-based solutions that benefit society. Hopefully, this activity will also be the first step for students to participate more actively in innovation programs, such as PKM, which in turn can make a real contribution to the advancement of the energy industry and other sectors. With the title Workshop & Coaching Clinic, it is hoped that students' creativity and innovation will increase.



PLN Institute of Technology Wins Two Awards at PKM Award 2024

The PLN Institute of Technology (ITPLN) won two prestigious awards at the PKM Award 2024 organized by the Ministry of Education, Culture, Research, and Technology through the Directorate General of Learning and Student Affairs (Ditjen Belmawa). The event took place at the Veteran National Development University in South Jakarta on August 19, 2024. Various universities from all over Indonesia attended the event.

ITPLN won the award as the Higher Education Institution Receiving the Most Incentives in the 2024 Student Creativity Program (PKM) for Cluster IV. In addition, the ITPLN student team was also named the Most Creative Student Group in Each Field of the 2024 Student Creativity Program (PKM) Funding Scheme for the PKM Karsa Cipta category.



Community Service Program ITPLN Entrepreneurship

This program was held as a form of contribution from universities in empowering Micro, Small and Medium Enterprises (MSMEs) and local communities in the region. The region shows significant potential in terms of product innovation and contribution to the local economy, but there are several obstacles that need to be overcome. Therefore, the ITPLN PKM Team is here to help.

This program aims to improve the capacity of MSME players in the region by providing training and assistance related to effective digital marketing strategies. It is hoped that after participating in this program, MSME players will be able to utilize technology to expand their market and increase the competitiveness of their products.



LINK Berita :

- <https://itpln.ac.id/institut-teknologi-pln-raih-dua-penghargaan-di-pkm-award-2024.html/>
- [Pengabdian Kepada Masyarakat Prodi Kewirausahaan ITPLN](#)



**Join with
us and
became
our
student.**

SDG 5 – Gender Equality

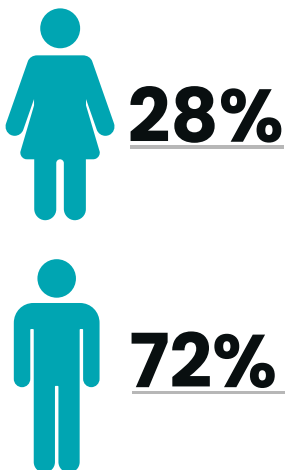
Gender Equality

The role of academics in gender mainstreaming is essential so that the entire university community can become an extension of the Ministry of Women's Empowerment and Child Protection (Kemen PPPA) in reaching the wider community, especially by involving students as agents of change and implementing the Tridharma Perguruan Tinggi (Three Pillars of Higher Education) and gender-responsive campus management by university leaders. If gender equality can be achieved in higher education, opportunities for women as decision-makers and in strategic positions on campus will increase, and violence on campus will be completely eliminated.

Gender-responsive education is the practice of providing equal opportunities for men and women to obtain an education. Universities are working to introduce gender-related material to students from the moment they enter campus or by incorporating it into specific courses.

Jumlah Mahasiswa Perempuan ITPLN

Mahasiswa Baru 1736 Mahasiswa



Pada tahun 2024, Institut Teknologi PLN tercatat memiliki 1736 mahasiswa baru yang mencakup 28% perempuan dan 72% laki-laki

Mahasiswa Lulusan 801 Mahasiswa



serta menghasilkan lulusan sebanyak 801 mahasiswa yang mencakup 35% perempuan dan 65% laki-laki.

The departments at the PLN Institute of Technology are dominated by men, as evidenced by the large number of men recorded in the data above. However, even though engineering departments are dominated by men, there are several women who are also interested in and choose engineering majors.



Facilities for Children

TK Rigatrik YPK PLN is a private kindergarten established under the auspices of the PT. PLN Education and Welfare Foundation. Own building. This kindergarten has facilities such as air-conditioned classrooms, PSB (Library and Audio Visual), imtaq room, computer room, UKS room, an outdoor playground, an indoor playground (educational toys), an auditorium, and a stage. ADDRESS Jl. Sigura-gura No.3B, Komplek PLN Duren Tiga, South Jakarta Tel: 021 79-1264 Email: rigatrik@gmail.com .

Vision

To develop students who are intelligent, skilled, independent, and faithful and devout, with local wisdom and a global perspective.

Mission

Preparing children to master smart life skills based on the growth of values, thoughts, and habits

SDG 7 – Energi Bersih Dan Terjangkau



After water and food, energy is one of the main pillars of human life. Energy is at the heart of almost every major challenge and opportunity facing the world today, and access to energy for all is essential. But energy must be available and affordable for all to enable future development, and it must be clean to ensure that development is sustainable.

We are exploring how universities promote and support clean energy, both through research, outreach, and also in their own behavior and usage.

Focusing on universal energy access, improving energy efficiency, and increasing the use of renewable energy is essential to creating a more sustainable and inclusive society (SDG11). This is the basis for tackling climate change (SDG13) and offers prospects for new economic opportunities and jobs (SDG8 and SDG9). Fuel poverty can be overcome by providing affordable energy (SDG1).

ITPLN Green Campus Achieves SDG Gold and 100% Clean Energy Use

The PLN Institute of Technology (ITPLN) has once again achieved a proud accomplishment by winning 2nd place "Gold" for its contribution to the Sustainable Development Goals (SDGs) of Private Universities (PTS) in Indonesia. Not only that, ITPLN has also become the first higher education institution in Jakarta to operate entirely on green energy through the Renewable Energy Certificate (REC). ITPLN's achievement of SDG's Gold is the result of its ongoing efforts.

This award demonstrates ITPLN's dedication to supporting and implementing sustainable development principles in education, as well as its contribution to green energy.



The Head of LLDIKTI Region III, Prof. Dr. Toni Toharudin, S.Si., M.Sc., expressed his appreciation for ITPLN's initiative in becoming a pioneer of green energy-based campuses. "This is a concrete step in supporting the national agenda towards clean energy. ITPLN has set an example for other universities by demonstrating that campuses can be leaders in the implementation of green energy," he said in his speech at the "Santulitam" event.



As the first higher education institution in Jakarta to fully operate on green energy through REC and the provision of Public Electric Vehicle Charging Station (SPKLU) facilities, ITPLN stands out in its commitment to renewable energy.

This initiative, launched at the ITPLN Campus in West Jakarta at the beginning of the "Karisma" 2024 event on November 9, 2024, was supported by Lasiran, General Manager of PLN's Jakarta Raya Distribution Unit (UID). "We support ITPLN as the first campus in Jakarta to have SPKLU facilities, which demonstrates active participation in creating a campus with green energy certification," said Lasiran.

"This is a concrete step taken by ITPLN to not only become an educational center, but also a pioneer in the development of clean energy. This SPKLU is expected to become a facility for students and the general public to support the electric vehicle ecosystem in Indonesia," said ITPLN Rector Prof. Dr. Ir. Iwa Garniwa MK MT., IPU., ASEAN Eng.

ITPLN Lecturer Designs Hybrid Control System for Solar Power Plant and Micro Hydro Power Plant for Public Facilities in Gadog Village, Cianjur

First, the team conducted a feasibility study to determine the optimal location for installing the solar power plant and micro-hydro power plant. Next, they designed a smart and efficient control system to manage energy resources from both sources. This implementation not only improved community access to electricity, but also empowered them with knowledge related to system maintenance and management. The program involved a series of activities, ranging from surveying electricity needs in the village, designing a hybrid control system, to implementation in the field. "The PKM team actively collaborated with the residents of Gadog Village, exploring local insights and identifying existing challenges and opportunities. This participatory process was key to the success of the program's implementation," he said.



Survey Implementation

The hybrid control system is designed to integrate solar and micro-hydro energy sources to provide a sustainable electricity supply. This sustainability not only supports lighting in public facilities, but also supports the operation of learning huts, which serve as community education centers in villages.

As part of its community service, the Faculty of Electrical Engineering and Renewable Energy at ITPLN provides technical support and supervision to ensure the operational sustainability of the system. In addition, this collaboration creates opportunities for students to apply their knowledge in real-world situations, hone their practical skills, and support project-based learning.

Visit to Cirata Solar Power Plant and Hydroelectric Power Plant, ITPLN Accompanies Pangudi Luhur High School

Pangudi Luhur High School students visited the Cirata Solar Power Plant in Purwakarta.

After being appointed by PT PLN (Persero) to implement the Sahabat PLN CSR program, the PLN Institute of Technology (ITPLN), accompanied Pangudi Luhur high school students on an educational visit to the Cirata Solar Power Plant (PLTS) and Hydroelectric Power Plant (PLTA), Purwakarta (November 6, 2024). This activity aims to provide a deeper understanding of renewable energy, in line with PLN's commitment to supporting the transition to sustainable energy towards the Net Zero Emission target by 2060.

During this visit, Pangudi Luhur High School students had the opportunity to see firsthand the operational processes of two renewable energy plants that play an important role in providing environmentally friendly energy. ITPLN provided guidance from lecturers and students who helped explain the basic concepts of renewable energy, the working principles of solar power plants and hydroelectric power plants, as well as the challenges and innovations currently being developed in the energy sector.



Kunjungan Industri

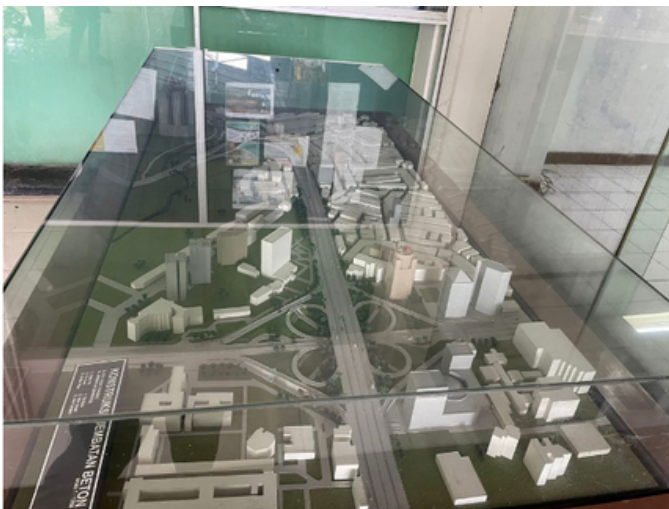
This program is part of ITPLN's mission to engage young people to be more concerned about energy and environmental issues. During this visit, Pangudi Luhur High School students are expected to gain a deeper understanding of the importance of energy transition and their role as the next generation in preserving environmental sustainability.

Neo expressed his curiosity about how solar power plants and hydroelectric power plants work in Indonesia. "Especially when I entered the cave under the mountain, I saw huge pipes and turbines. It was an extraordinary experience for me," said one of the students from Pangudi Luhur High School.

SDG 11 – Sustainable Cities and Communities

Cities and communities themselves must be sustainable. More and more of the world's population lives in urban centers, which are often home to our universities. Cities can be places of innovation and great opportunity, but they can also be home to severe poverty and inequality. The interaction between universities and their communities, urban and rural, needs to be positive and sustainable.

Cities can be centers of culture, industry, and innovation (SDG9). They can also be centers of hunger (SDG2) and poverty (SDG1). Cities and communities are not separate from life below water (SDG14) or on land (SDG15), and interactions between them will be increasingly affected by climate change (SDG13), unless sustainable action is taken.



The Mini Electricity Museum is a science and technology museum on the campus of the PLN Institute of Technology that displays a collection related to electricity. Various collections are presented using interactive modern technology so that visitors can try out the exhibits themselves, such as parallel series exhibits, exhibits that generate electricity from pencils, coins, and magnets.

The diversity of information and collections provided allows this museum, located in the left wing of the ITPLN campus lobby, to be visited and utilized by various segments of society, ranging from school groups, university students, families, to domestic and foreign tourists.

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**Mini Museum
Ketenagalistrikan**

Zero Emission Transportation

PLN Institute of Technology Supports Sustainability of Converted Electric Vehicles at Asia EV Leadership Summit International Conference

"The PLN Institute of Technology (ITPLN), one of the universities that is very concerned with the development of renewable energy, is not only converting conventional vehicles to electric vehicles, but also preparing workshops to facilitate the maintenance of converted electric vehicles. This is evidenced by the establishment of a workshop for the conversion and maintenance of electric vehicles with the support of PLN. Thus, converted electric vehicles can be maintained at the ITPLN workshop," said ITPLN Vice Rector IV for Cooperation Dr. Ir. Pawenary MT., MPM., IPU., ASEAN., Eng., who attended the International Conference Asia EV Leadership Summit in Jakarta on Friday, March 17, 2024.



Motor Listrik

As a university that focuses on energy, electricity, and environmental awareness, the PLN Institute of Technology (ITPLN) strongly supports the electric motor conversion program launched by the government.

To that end, utilizing CSR funds from PT PLN (Persero), ITPLN built a workshop for converting vehicles to electric power. The workshop is located at the ITPLN Campus, Jalan Lingkar Luar Barat, Duri Kosambi, Cengkareng, West Jakarta.

ITPLN Rector Prof. Dr. Ir. Iwa Garniwa M.K., M.T., accompanied by Vice Rector IV Dr. Ir. Pawenary. M.T., MPM., IPU., ASEAN

Zero Emission Transportation

ITPLN Students' Micro Hydro Power Plant Will Supply Electricity to 16 Houses

Bogor – The PLN Institute of Technology (ITPLN) through the Student Activities and Counseling Agency (BKMK) assisted the student association of the mechanical engineering undergraduate program in conducting Community Service (PKM) by building an ITPLN Student Micro Hydro Power Plant (PLTMH) in Babakan Banten Village, Bogor Regency, West Java. (June 14, 2024)

Community service is one of the pillars of higher education. Therefore, ITPLN students are committed to serving members of the community who are in need. Electricity is a vital necessity for people today, with every household owning electronic devices to make their lives easier.



In his message, BKMK Manager Agus Zaini, SE, said, "Hopefully, this can help and benefit the local community and be maintained by the residents," he said.

As it is well known that ITPLN is a campus that focuses on energy and environmentally-friendly applications, it is only fitting that it serves the community in the field of energy. This also encourages the implementation of the curriculum system at ITPLN, which consists of 40% theory, 40% problem solving, and 20% industry lectures.



Zero Emission Transportation

Mahasiswa ITPLN Jalani Training Electric Motorcycle

Thirteen students from the Bachelor of Energy Systems Engineering (TSE) program at the Faculty of Electrical Engineering and Renewable Energy of the PLN Institute of Technology (ITPLN), were invited to participate in the 2024 Electric Motorcycle Training Program. As a campus focused on the field of energy, ITPLN students undergo Electric Motorcycle Training. This is an added value for students who are part of a campus focused on energy and sustainability.



Implementation of 4-4-2

ITPLN is known as a campus that focuses on the field of energy, therefore many opportunities are provided by the industry to ITPLN students. This makes learning more integrated because not only theory is taught, but students also learn directly from practitioners and the industry. One example is ITPLN students undergoing Electric Motorcycle Training and several other opportunities.

This training program also provides an important opportunity for students to establish connections with professionals in the electric vehicle industry, both domestic and international. Their participation in this training is expected to provide new insights and encourage technological innovation that supports sustainable energy transition in Indonesia.

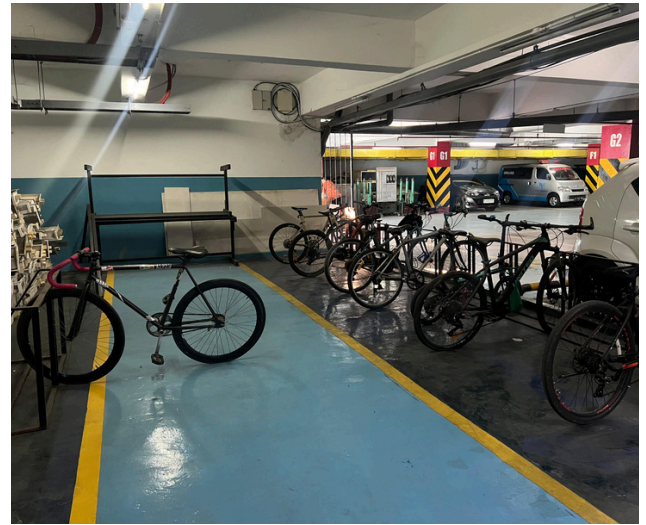


This training is an implementation of a solar-powered electric vehicle system in Indonesia organized by Verywords Co., Ltd, Korea. This training aims to introduce the latest electric vehicle technology, particularly electric motorcycles equipped with solar-powered charging systems, and to support competency development in this field.

The training program will take place over five days, from December 2 to 6, 2024, at the LEMIGAS Complex and Veranda Hotel Pakubuwono, Jakarta. During the training, participants will receive in-depth material on electric motorcycle architecture, battery management systems, and environmentally friendly charging technology. In addition, participants will also take part in hands-on sessions to understand the assembly, maintenance, and troubleshooting processes for electric vehicles.

Bicycle Parking Area

The PLN Institute of Technology is strategically located. One of its facilities is a spacious and secure parking area. The entire parking area is equipped with CCTV and has a FREE helmet storage area for employees and students. The ITPLN parking area can accommodate thousands of motorcycles and hundreds of cars at the same time. Every employee and student who rides a two-wheeled vehicle is required to show their Vehicle Registration Certificate (STNK) every time they exit the ITPLN parking lot. This is to enhance security and comfort for everyone on campus. Similarly, the four-wheeled vehicle parking area, which is separate from the two-wheeled vehicle parking area, also has 24-hour security facilities.



Pedestrian

The ITPLN campus has declared itself a Green Campus. One of the important points in Green Campus-based planning is the quality of pedestrian paths. The pedestrian paths at ITPLN Campus play a vital role in student circulation within the campus and during entry and exit. The majority of students who walk to campus are concentrated around ITPLN Campus.



Direktur Legal Human Capital PT PLN Resmikan Berbagai Fasilitas

In his speech, Yusuf Didi Setiarto said that this support is a tangible manifestation of the synergy between the PLN Group and ITPLN in creating a better educational ecosystem.

"The Energy Transition Auditorium is expected to become an academic hub that supports innovation in the field of energy, while the Collaboration Park will be an open space for students to discuss, create, and strengthen their networks with various parties," he said.

ITPLN greatly appreciates the contribution of PT PLN (Persero) and PLN Group, which continue to support the development of campuses focused on energy. This confirms that the facilities provided will be utilized as best as possible to improve the quality of learning and research at ITPLN.

With the inauguration of various new facilities, ITPLN is increasingly ready to support innovation in the energy sector and produce graduates who are competent in the fields of electricity and new and renewable energy.

The inauguration was also attended by ITPLN leaders and representatives from the PLN Group. With this new facility, ITPLN has further strengthened its position as a higher education institution that plays an active role in supporting the government's 2060 Net Zero Emission target.



SDG 12 – Responsible Consumption and Production

Together with PLN Div BKI, ITPLN Will Develop WTE and P3KL Labs

Vice Rector IV of the PLN Institute of Technology (ITPLN) together with the Executive Vice President (EVP) of PT PLN (Persero) Corporate Business Development and Innovation Division (PLN Div BKI) visited two ITPLN laboratories, namely the waste to energy (WTE) laboratory and the P3KL (Electric Vehicle Research and Assessment Center) laboratory for the conversion of motor vehicles from fuel to electricity.

The visit from PLN Div BKI was conducted by Sapto Aji Nugroho as EVP and Tri Hardimasyar as VP of PLN Div BKI, accompanied by ITPLN Vice Rector IV Dr. Ir. Pawenary M.T., MPM., IPU., ASEAN Eng., and the heads of the WTE lab and electric motor conversion lab.

During his visit to the WTE Lab and Electric Motor Conversion Lab at ITPLN, Sapto Aji Nugroho expressed his pride and requested that the laboratories at ITPLN be used not only as places for student practical work, but also for activities involving ITPLN stakeholders.



Through Law No. 18 of 2008 concerning Waste Management, it mandates that waste be managed at the source, starting with the waste producers (the community, industrial areas, traditional markets/malls, etc.). Local governments at the regency/city level should immediately implement this mandate with "firmness and discipline" by creating or revising local regulations and designing a master plan for community-based waste management. ITPLN has established a composting center and implemented various policies related to independent waste management on campus.



LINK Berita :

- [ITPLN Lakukan Pelatihan dan Sertifikasi Mikrotik untuk Siswa SMK Putra Kabandungan](#)
- [Pengabdian Kepada Masyarakat Prodi Kewirausahaan ITPLN](#)

ITPLN Rector Oversees Discussion on TKDN and Marine Energy Power Generation Technology



The Rector of the State Electricity Company Institut Teknologi PLN (ITPLN), Prof. Dr. Ir. Iwa Garniwa M. K. ST, was one of the moderators in a panel discussion on TKDN (Domestic Component Level), Technology and Infrastructure, with the theme “Marine Energy Development in the Context of Improving National Energy Security and Independence”.

The seminar was held by the Indonesian Marine Energy Association (ASELI) together with PT PLN (Persero) Research and Development (Puslitbang) Electricity, located at Gran Sheraton, Gandaria City, Jakarta, (01/08).

Prof. Iwa stated that this event serves as a platform and forum to bring together research and innovation institutions, regulators, industry players, and investors. It is hoped that this initiative will become an efficient and effective means to act as a catalyst in encouraging domestic industries to accelerate the commercialization of marine energy in Indonesia.

The discussion featured speakers from various parties, one of whom was the General Manager of PT PLN (Persero) Research and Development Center (Puslitbang) for Electricity, Ir. Iswan Prahastono, who was represented by the Senior Manager of Energy Generation System Technology Research at PLN Puslitbang, Sahrijal Purba. Sahrijal delivered a presentation on “The Development of Marine Energy Research and Development at PLN.” He explained that PLN’s Electricity Research and Development Center is part of the PLN Group, which is engaged in research, technical studies, standardization, and innovation management within PLN.



SDG 16 – Peace and Justice

ITPLN Rector Oversees Discussion on TKDN and Marine Energy Power Generation Technology



On Wednesday, March 28, 2024, the Opening Ceremony of the Training of Trainers (TOT) was held by the National Resilience Institute of the Republic of Indonesia (LEMHANNAS RI). This year, there were a total of 400 participants from the Indonesian National Armed Forces (TNI) / Indonesian National Police (Polri), civil servants, state-owned enterprises (BUMN), regional-owned enterprises (BUMD), and several universities throughout Indonesia.

Vice Rector IV of ITPLN, Dr. Ir. Pawenary, M.T., MPM., IPU., ASEAN Eng, was selected from hundreds of participants to represent higher education institutions, which included not only the PLN Institute of Technology campus, but also several others such as the Institute of Domestic Governance (IPDN), the University of Defense, the University of Indonesia, the Bogor Agricultural Institute, the University of Bangka Belitung, the Lampung State Polytechnic, the Abuyatama University of Aceh, IISIP Biak Papua, IAIN Manado, STIKES Bengkulu, Muhamadyah University of Riau, Pasuruan Teacher Training College, Jambi University, Uninus Bandung, Borneo University of Tarakan, UIN Samarinda, Arsyad Al Banjari University of Banjarmasin, Indramayu Teacher Training College, Muhamadyah University of Buton, Surabaya Aviation Polytechnic, State University of Semarang, UIN North Sumatra, PGRI University of Madiun, UNISKA Kediri, and several other campuses.

Present were the Governor of Lemhannas, Deputy for National Affairs as the Ceremony Advisor, Rear Admiral Edi Sucipto, S.E., M.M., M.Tr. Opsla. Along with several other high-ranking officers from the Indonesian Army, Navy, Air Force, and other committee members, he said that this activity takes place every year with more than 1,000 participants each year, but we select a maximum of 400 participants annually. We hope that participants who have completed this education and training can become agents of change throughout Indonesia.

ITPLN Holds IDEATHON BIZINCUBATE 2024 Incubation Coaching Program



The PLN Institute of Technology (ITPLN) is organizing the IDEATHON BIZINCUBATE ITPLN 2024 program with the theme of Smart Green Business Innovation. This is a technology business incubation program for ITPLN students to develop ideas and innovations into commercializable products. In this regard, ITPLN is collaborating with and receiving funding support from PLN Headquarters, cq. the Corporate Business Development and Investment Division (BKI).

The program was promoted at the ITPLN campus on June 22, 2024 during the Symposium and on June 27, 2024 during a special session featuring two speakers, Tuhu Nugraha Dewanto, Executive Director of the Indonesia Blockchain & Metaverse Center (IBMC), and Raine Renaldi, Chief of Economy & Digital Assets at KADIN.

The stages of the IDEATHON BIZINCUBATE 2024 program begin with the proposal submission stage (via the website ideathon-itpln.id), followed by the administrative and substantive selection stages, the presentation selection stage, the announcement of proposals accepted for funding, the incubation stage, the monitoring and evaluation stage, and the awarding of the best incubation team and mini exhibition. There are two types of incubation program funding schemes, namely PPBT (Technology-Based Beginner Development) incubation, which runs from the end of July to October 2024, and PLBT (Technology-Based Advanced Development) incubation, which runs from the end of July 2024 to the end of November 2024. The entire program will conclude in December 2024.

SDG 17: Partnerships for achieving the Goals

The 2019–2022 National Research Council Officially Inaugurated, Here is its Composition



In an effort to improve the quality of learning and strengthen partnerships with international universities, the PLN Institute of Technology (ITPLN) conducted an E-Mobility Lecturer & Student Visit program to the University of Tenaga Nasional (UNITEN) in Malaysia. The guest lecturer visit and student exchange lasted for 10 days.

During their visit to UNITEN, representatives of ITPLN lecturers and students were received directly by the leadership, including UNITEN Rector Prof. Dato' Seri Ir. Dr. Noor Azuan Abu Osman. During the occasion, Prof. Noor Azuan stated that this event was not just an ordinary meeting, but rather an opportunity for knowledge sharing and joint degree programs between ITPLN and UNITEN. "Hopefully, this will not be the last meeting, but there will be more meetings in the future. This will also strengthen the partnership between ITPLN and UNITEN," said Prof. Azuan.

Previously, the cooperation agreement between ITPLN and UNITEN was signed on January 18, 2024, in Bali by ITPLN Rector Prof. Dr. Ir. Iwa Garniwa M.K. M.T. and UNITEN Rector Prof. Dato' Seri Ir. Dr. Noor Azuan Abu Osman. The two universities agreed to collaborate across borders in the areas of joint research, student exchange, visiting professors, guest lectures, double degrees, workshops and training, and other cooperation programs in academic and other fields.

In addition, ITPLN and UNITEN also agreed to establish AEU-Net (Asean Energy University-Networking), which aims to strengthen cooperation among universities in the ASEAN region in the field of energy. Prof. Iwa said that this step was taken to improve the quality of education and research in the energy sector, as well as to produce high-quality experts and professionals in the field of energy.



ITPLN and UNITEN Become Founding Members of the ASEAN Energy University Network "AEU-Net"



A major step forward in the field of energy education has been taken through the signing of a Memorandum of Understanding (MOU) between the PLN Institute of Technology (ITPLN) and Universiti Tenaga Nasional Malaysia (UNITEN), which officially became the founders of the ASEAN Energy University Network (AEU-Net). The signing of the MOU took place at the "Exchange Ceremony of the Memorandum of Agreement (MoA) and Memorandum of Understanding Malaysia-Indonesia MoU" event, which was held on Tuesday, July 18, 2024, at the Mandarin Hotel in Jakarta.

The signing was carried out by ITPLN Rector Prof. Dr. Ir. Iwa Garniwa M K, MT and UNITEN Vice Chancellor Prof. Ir. Dr. Noor Azuan Abu Osman, FASc, and witnessed by the Malaysian Minister of Higher Education, Datuk Seri Mohamed Khaled Nordin, Malaysian Ambassador to Indonesia Datuk Syed Md Hasrin Tengku Hussin, Director General of Higher Education Malaysia, Professor Dr. Azlinda Azman, and Director General of Higher Education Indonesia, Prof. Ir. Nizam, M.Sc., DIC, Ph.D., IPU, Asean Eng.

Also in attendance were representatives from ITPLN, namely Dipl.-Ing. Iwan Tutuka Pambudi, M.Eng., Ph.D as Vice Rector 1 for Academic Affairs, Dr. Ir. M. Ahsin Sidqi, MM., IPU as Head of the Rectorate Bureau, Rakhmadi Irfansyah P., S. Kom., MMSI as Manager of Planning and Development, and Pritasari Palupiningsih, S. Kom., M. Kom. Also attending were representatives from UNITEN, namely Prof. Dato' Ts Dr. Mohd Zamri Yusoff as Deputy Vice Chancellor for Research & Innovation, Prof. Ir. Dr. Ramesh Singh as Deputy Vice Chancellor for Academic & International Affairs, and Assoc. Prof. Ts. Dr. Mohd Azanee Rusli as Chief Operating Officer.

AEU-Net aims to strengthen cooperation among universities in the ASEAN region in the field of energy. This step is expected to improve the quality of education and research in the energy sector, as well as produce high-quality experts and professionals in the field of energy.

PLN-ITPLN visits New Zealand, signs MoU with Auckland University and leading geothermal engineering industry

During their visit to Australia and New Zealand, the team from PT PLN (Persero) and the PLN Institute of Technology (ITPLN), visited Auckland University, New Zealand, on Friday, October 20, 2024. The visit was conducted by PT PLN Director of Legal and Human Capital Management (DIRLHC) Yusuf Didi Setiarto, accompanied by Executive Vice President of Talent Development (EVP HTD) Dedi Budi Utomo, EVP of Human Capital Strategy (EVP HST) Ridho Hutomo, Executive Vice President of DIRLHC Andesta, Expertise Development Manager Kiki Febriana, and ITPLN Rector Prof. Dr. Ir. Iwa Garniwa M. K., M.T., accompanied by the Head of the Rector's Office Dr. Ir. M. Ahsin Sidqi, M.M., IPU, ASEAN Eng. On October 20, the PLN-ITPLN delegation was received by the Deputy Director of International Programs at Auckland University, Ms. Ainslie Moore. Ainslie Moore said that New Zealand, with a population of around 5 million, is very conducive to Master's and Doctoral studies. As one of the best countries in terms of anti-corruption, with comprehensive educational facilities and leading in academia, research and implementation of energy transition, especially geothermal management.



In addition, Ainslie continued, the New Zealand Government also has scholarship programs, including the Manaki New Zealand Government Scholarship. The cost of studying in New Zealand is also cheaper than in Australia.



DIRLHC PLN revealed that since Indonesia joined the Paris Agreement (2015) on climate change, Indonesia has been implementing an energy transition towards green and zero emissions by 2060. "To that end, PLN is undertaking many initiatives, including upskilling its employees through the PLN Employee Study Program (PTB) at several universities in Australia," explained Yusuf Didi.

Auckland University, as a university that offers courses in New and Renewable Energy (EBT), particularly Geothermal Energy, was chosen by PLN as the place for its employees to pursue further education. Moreover, geothermal energy has enormous potential compared to other types of EBT.

Yusuf Didi hopes that PLN PTBs will not only gain exposure and experience in geothermal engineering, but also in leadership, business, and sustainability aspects of character and soft skills.

ITPLN Establishes Cooperation with NEC Power and Institute for Advanced Engineering



Institut Teknologi PLN (ITPLN), together with NEC Power and Institute for Advanced Engineering (IAE), signed a memorandum of understanding (MoU) related to the development of the "Unused Resources-based Biomass Plant Demonstration Technology Development Project".

This is an international collaborative research project supported by the Korean Ministry of Land, Infrastructure and Transport (MOLIT-KAIA). The MoU was signed by ITPLN Rector Prof. Dr. Ir. Iwa Garniwa M.K. M.T., NEC Power President Sim Jae-Wong, and IAE President Kim Jin-Kyun, in the Sedyatmo Room on the 4th floor of the ITPLN Campus in Jakarta, on Monday (November 6, 2024). Prof. Iwa welcomed the collaboration between ITPLN, NEC Power, and IAE. "The signing of this MoU is the first step in forming a strategic partnership between ITPLN, IAE, and NEC Power to develop innovation and research in the field of technology and energy," said Prof. Iwa.



The event continued with a speech delivered by NEC POWER CEO Mr. Sim Jaeyong. In his speech, he expressed his appreciation for the cooperation and said that they were representatives of the Korean government and had been instructed to spread the benefits of the technology they were trying to apply to countries that needed solutions to their waste problems. The event then continued with the signing of an MOA between the Rector of IT PLN, the CEO of NEC Power, and witnesses, followed by a group photo as proof of the agreement. The final event was the presentation of a plaque from IT PLN to NEC Power.

ITPLN Teken MoU dengan UGM, Kerjasama Penelitian dan Pengabdian Masyarakat

The Institut Teknologi PLN (ITPLN) signed a Memorandum of Understanding (MoU) with the Faculty of Engineering, Gadjah Mada University (FT UGM) regarding Education, Research and Community Service, as well as Human Resource Quality Improvement.

The MoU was signed by ITPLN Rector Prof. Dr. Ir. Iwa Garniwa M.K., M.T., accompanied by ITPLN Vice Rector IV Usaha, Dr. Ir. Pawenary. M.T., MPM., IPU., ASEAN Eng., along with his delegation, and the Dean of the Faculty of Engineering at UGM, Prof. Ir. Selo S.T., M.T., M.Sc., Ph.D., accompanied by the Professor of the Faculty of Engineering at UGM, Prof. Ir. Tumiran, M.Eng., Ph.D., at the SGLC (Smart and Green Learning Center) Building of the Faculty of Engineering at UGM, Yogyakarta, on Friday, December 8, 2024.

ITPLN Rector Prof. Iwa welcomed the signing of the MoU today. Prof. Iwa said that in facing the era of digitalization, competent human resources are needed. "With the signing of this agreement, in the future we can conduct joint research collaborations and provide assistance for master's programs in mechanical engineering, information technology, and civil engineering, where IT PLN is currently proposing approval for these new study programs," said Prof. Iwa.



To the ITPLN delegation, Prof. Tumiran explained the existence of the ERIC UGM building. ERIC is a hub for synergy between departments that focuses more on integrating research resources, actors, and interests to produce research results that have higher value for recipients (industry, government, and society).

ERIC as a collaboration platform aims to become a benchmark for science and technology development for national competitiveness, with end-to-end research collaboration as a driver of innovation. It also focuses on the commercialization or practical application of research products and integration with teaching and community service. **)



ITPLN Alumni Association Shares Experiences with Students, Hones Potential, and Develops Self



The PLN Institute of Technology Alumni Association (IKA-ITPLN) together with the ITPLN Career and Alumni Services Division (BLKA) held an event titled "Professional Talk Series #1: Unconventional Career Options after Graduating from Engineering School."

This event aims to provide students and graduates of engineering majors with insight into various unconventional career options after graduating from engineering school.

In his speech, Vice Rector III for Student Affairs and Facilities Ir. Ishvandono Yunaini, A, MM said that sharing activities such as this can have a positive impact on students by broadening their career horizons.

"Of course, we will always support the activities carried out by our colleagues at the Alumni Association. We hope that they will always be trustworthy and play a beneficial role for everyone," explained Ir. Ishvandono.

This event also featured three ITPLN alumni who shared their experiences with ITPLN students to help them prepare for the world of work. These three alumni have established successful careers in their respective fields and provided a variety of insights that will surely inspire students and help them determine their own career paths.

IKA-ITPLN Chair Bintang E P Siregar invited all alumni to share useful information with students and the campus community. "We hope that students can find new perspectives and use them as a stepping stone to prepare for a better future," said Bintang E P Siregar.

Country Manager of PT Southern Tristar, Aris Munandar Rahmatullah, was the first speaker to share his experiences and insights on how engineering graduates can explore opportunities in the diverse energy industry.





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