



# E-NEWSLETTER

PURNOMO YUSGIANTORO CENTER



*Kursus Pemantapan Pimpinan Daerah (KPPD) 2023*

**ACADEMIC CORNER**

**OUR PUBLICATION**

**EVENT IN ENERGY SECTOR**

**SOCIAL INITIATIVES**

**UPCOMING EVENTS**

**MORE FROM US**



**Our Publication:** *PYC Membawa Misi Kebudayaan Indonesia Sampai ke Negeri Cina*

Purnomo Yusgiantoro Center | [@](#) [f](#) [X](#) [in](#) [v](#)

**PYC E-Newsletter** | 4<sup>th</sup> Quarter: October–December 2023



A Message From

# THE CHAIRPERSON

Greetings from Purnomo Yusgiantoro Center,

As we approach the end of year 2023, it is a time of reflection and anticipation for what lies ahead. This year for PYC has been filled with remarkable moments, from our research exploration and inspiring initiatives that have shaped the way we generate, distribute, and consume energy. We also share our excitement about the cultural mission that PYC holds, The Beautiful Culture of Indonesia Goes to Beijing. PYC brought Indonesian traditional dances and music.

We will look ahead to the opportunities and challenges that await us in the coming year. The energy sector is constantly evolving, and it is crucial to stay informed and adapt to the changing landscape. We will continue to provide insights into the trends, forecasts, and predictions for the energy industry in 2024, offering you a glimpse into what the future holds.

Thank you for your continued support, and we wish you a Merry Christmas. We wish you a joyful holiday season and a prosperous New Year filled with sustainable energy solutions.

Warm regards,

*Filda Citra Yusgiantoro, Ph.D.*



## The Opinion

is a channel to assert various point of views related to topics in the energy and natural resources sector



### ASEAN Power Grid in the Energy Transition Era

Filda C. Yusgiantoro (Chairperson, Purnomo Yusgiantoro Center),  
Mayora Bunga Swastika (Research Assistant, Purnomo Yusgiantoro Center).

The ASEAN Power Grid (APG), an initiative for an integrated network system among ASEAN member countries, is expected to help in implementing policies to achieve a 35% share of renewable energy in the national energy mix by 2025. The APG has the potential to ensure reliable access to electricity in various regions through comprehensive cooperation and collaboration among ASEAN member countries. Financial and technological challenges must be overcome for the effective implementation of the APG, aiming to enhance economic growth and sustainable energy market development in the region.

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### Indonesia's 2024 Presidential Election and Grassroots Engagement in the Energy Transition Agenda

Akhmad Hanan (Researcher, Purnomo Yusgiantoro Center),  
Muhammad Salman Hakim (Research Administrator, Purnomo Yusgiantoro Center).

Energy transition is a main focus of Indonesia's future sustainable development agenda. Indonesia's presidential election in 2024 is a key moment in the leadership transition to drive a better energy transition in the future. Energy transition not only focuses on the issue of transitioning from fossil fuels to renewable or clean energy but also grassroots community engagement that enables a more equitable and sustainable energy transition. Realization of the energy transition depends on the active involvement of the community because grassroots communities have great potential to encourage the use of renewable energy and energy efficiency.

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## The Opinion

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### Driving the energy transition within ASEAN

Nadira Asrifa Nasution (Research Assistant, Purnomo Yusgiantoro Center),  
Ahmad Munawir Siregar (Research Staff at The Purnomo Yusgiantoro Center)

ASEAN is characterized by an expansive geographical domain spanning 4.5 million square kilometers of land and 66% of ocean and sea. Approximately 91% of the transportation sector is still on fossil fuels. Despite the escalating adoption of electric vehicles, several challenges include the charging infrastructure and the high cost of electric vehicles. Government incentives, such as subsidies and tax exemptions, play a role in expediting the adoption of EVs. Additional strategies involve augmenting efficiency, advancing infrastructure, and using alternative fuels. Collaboration between the government, private sector, and community is important to realize the energy transition.

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### Assessing the Reliability of Free Rice Cookers for National Energy Resilience

Vivid Amalia (Research Staff, Purnomo Yusgiantoro Center),  
Felicia Grace (Researcher, Purnomo Yusgiantoro Center).

The government of Indonesia ratified MEMR regulation No. 11/2023 to provide 500 thousand free rice cookers to households, aiming to reduce LPG dependence and boost electricity use. However, the program faces challenges of inaccurate data, potentially escalating household electricity costs and consumption. A holistic approach, like electric stove conversion and biogas use, involving communities and NGOs are vital. The government must consider comprehensive infrastructure solutions to address electricity oversupply, ensuring program alignment with community needs and strategic policies for sustainable national energy resilience.

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## The Opinion

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### Why does Indonesia need to reconsider the use of ammonia in the effort to transition energy from power plants

Hidayatul Mustafidah Rohmawati (Research Staff, Purnomo Yusgiantoro Center),  
Vivi Fitriyanti (Researcher, Purnomo Yusgiantoro Center).

Currently, PT PLN is considering ammonia as a co-firing option. Meanwhile, Indonesia faces challenges due to the carbon footprint of ammonia production and usage. Therefore, green ammonia technology is continuously developed to mitigate the impact. In this opinion, we recommend that PLN should have a thorough reassessment of ammonia co-firing plans. A clear roadmap is essential to ensure co-firing is a temporary solution. PLN should also conduct life cycle assessments to determine the lowest-emission options. Regarding ammonia, Indonesia could explore the potential of green ammonia as an alternative energy source in manufacturing industries.

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## Research Report

This section is a report of the results of our research study.



### PURNOMO YUSGIANTORO CENTER RESEARCH TEAM:

- Massita Ayu Cindy, S.T., M.T.
- Akhmad Hanan, S.Kel., M.Si. (Han).
- Ahmad Munawir Siregar, S.Si., M.Han.
- Hidayatul Mustafidah Rohmawati, S.T.

### Conversion of Liquefied Petroleum Gas to Compressed Natural Gas for the Industrial and Small Medium Enterprise (SME) Sectors in Central Java and Special Region of Yogyakarta

Liquefied Petroleum Gas (LPG) is extensively used in Indonesia, especially in the industrial and SME sectors of Central Java and the Special Region of Yogyakarta. These sectors heavily rely on subsidized 3 kg LPG, which is priced lower than non-subsidized LPG, courtesy of government subsidies. This study explores the potential conversion of LPG to Compressed Natural Gas (CNG) in these sectors, considering CNG's advantages in efficiency, safety, and environmental friendliness. The research highlights the proximity to natural gas resources in the Cepu Block (Gundih, North Kedungtuban, and Alas Dara Kemuning) as a factor contributing to the feasibility of the conversion



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## Energy Drink

is a podcast by PYC that brings together experts from the energy sector for casual discussions on the hottest topics.



## ENERGY DRINK #30

### MENGENAL SUSTAINABILITY REPORT DI SEKTOR FINANSIAL UNTUK TRANSISI ENERGI



**MODERATOR:**  
**FELICIA GRACE**  
**RESEARCHER**



**NARASUMBER:**  
**STEVEN GUNAWAN**  
**MANAGER OF SUSTAINABLE FINANCE, CDP**

### ENERGY DRINK by PYC #30 Getting to Know Sustainability Reports in the Financial Sector for Energy Transition Ft. Steven Gunawan

Indonesia's commitment to the Paris Agreement and Sustainable Development Goals (SDGs) to accelerate energy transition is a primary focus of the government. Energy transition is a global issue and a concern for expediting the shift from fossil fuels to more environmentally friendly energy sources. The financial sector plays a crucial role and catalyzes the realisation of energy transition. Therefore, sustainability reports can be utilized as tools to measure, analyze, and formulate sustainable business strategies.

In this podcast episode, Felicia Grace (Researcher, Purnomo Yusciantoro Center) and Steven Gunawan (Manager CDP Indonesia, Thailand, the Philippines, Vietnam) will discuss the significance of sustainability reports in the financial sector as a key element in accelerating energy transition in Indonesia.

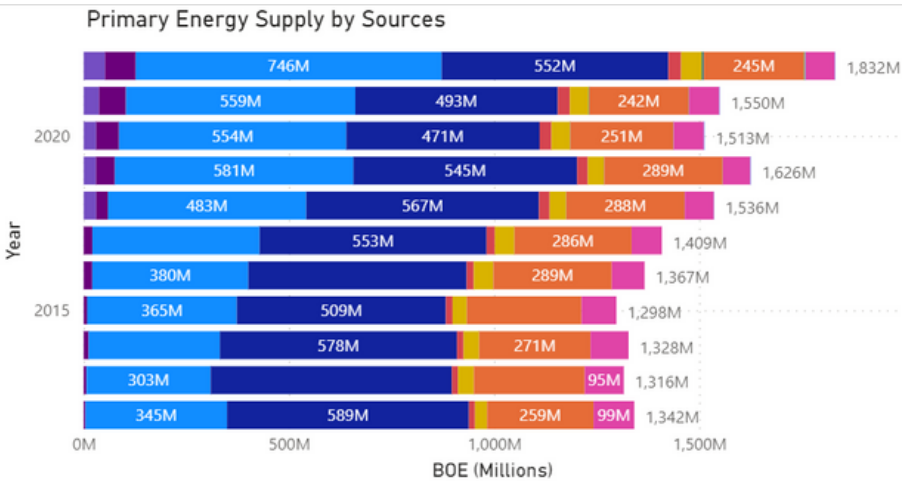
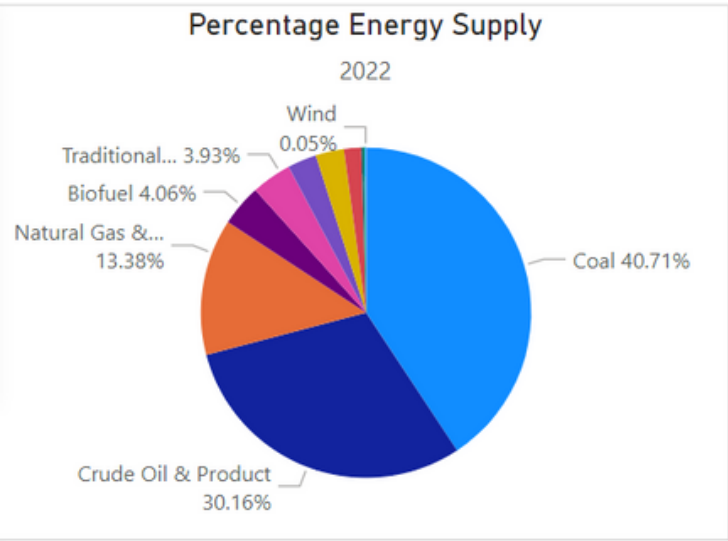
Let's dive into the details!



**INDONESIA'S ENERGY SUPPLY AND DEMAND**

Energy supply and demand refers to the intricate balance between the availability of energy resources and the consumption needs of a society or region. It encompasses the production, distribution, and utilization of energy to meet various sectors' requirements, including residential, industrial, and transportation.

Energy supply and demand refers to the intricate balance between the availability of energy resources and the consumption needs of a society or region. It encompasses the production, distribution, and utilization of energy to meet various sectors' requirements, including residential, industrial, and transportation.



For the last 10 years, coal has been the largest contributor to the energy supply. This was followed by crude oil and product commodities that ranked second with the percentage of 30.16% in 2022.

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### **Focus Group Discussion: Conversion of Liquefied Petroleum Gas (LPG) to Compressed Natural Gas (CNG)**

On 18 October 2023, the PYC research team held a Focus Group Discussion (FGD) with the topic of “Liquefied Petroleum Gas (LPG) to Compressed Natural Gas (CNG) conversion for the Industrial Sector and micro, small and medium enterprises (MSMEs) in the Central Java and Yogyakarta regions”.



The purpose of the FGD was to analyze the economic and social benefits of LPG conversion and identify the main challenges and impacts of implementing CNG conversion in Central Java and Yogyakarta. The FGD was attended by representatives of the Director of Oil and Gas Program Development of the Ministry of Energy and Mineral Resources, SKK Migas, PT Pertamina Commercial and Trade, President Commissioner of PT Pertamina EP Cepu, CNG user MSMEs, and CNG Supplier PT Tirta Naga Mahadaya Sentosa.



*"Potensi dan Tantangan Pengembangan Bioenergi Dalam Kontribusi Pada Capaian Program Net Zero Emission 2060 Indonesia"*

*Akhmad Hanan  
Peneliti PYC*



## **PYC Researcher, Akhmad Hanan, Becomes a Speaker at BENIH Foundation's Webinar**

PYC researcher, Akhmad Hanan, was a speaker in the Potentials and Challenges of Bioenergy Development in Contributing to the Achievement of the Net Zero Emission 2060 Program webinar, organized by the Indonesian Green Energy Foundation (BENIH) on 9 November 2023.

The development of bioenergy has significant potential to support the achievement of Indonesia's Net Zero Emission 2060 Program. However, challenges such as sustainable land management, investments in technology and infrastructure, as well as changes in policies and regulations, need to be addressed to reach these goals. Public awareness and private sector involvement are also crucial in ensuring the success of this initiative.





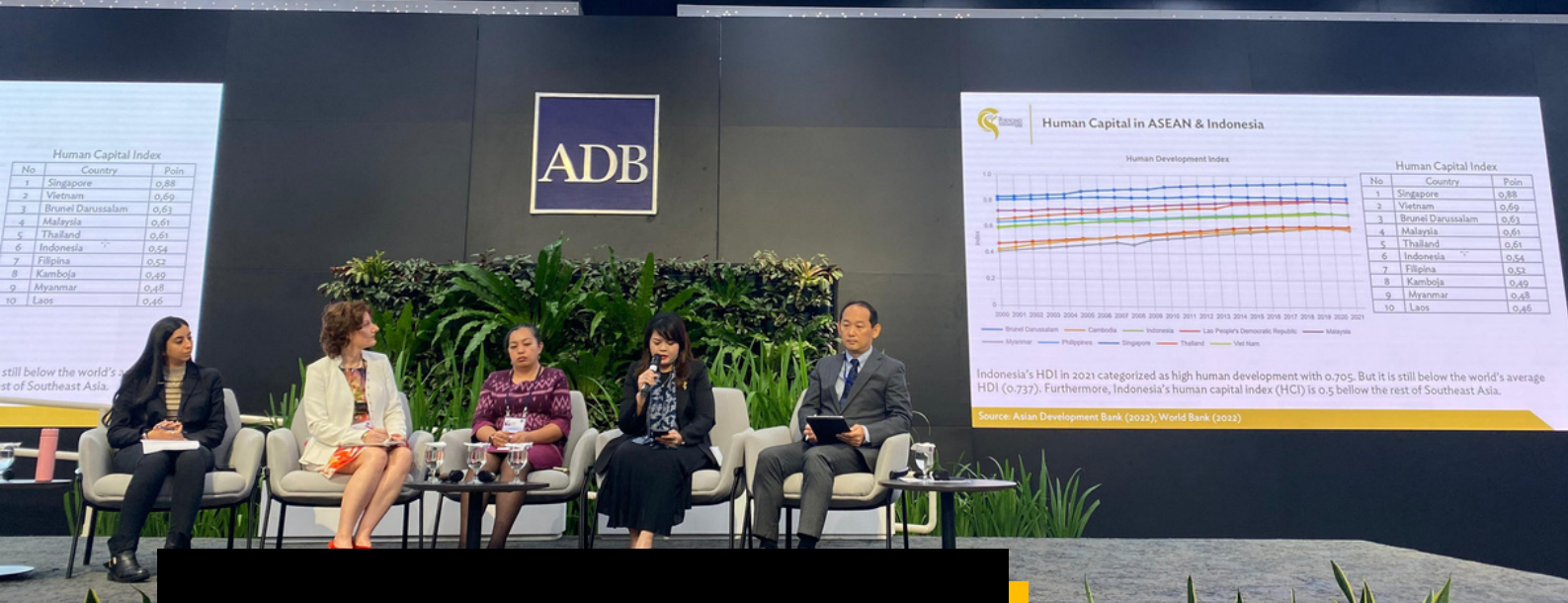
## PYC Shines at KIAS-BUFS International Conference

Researcher of PYC, Massita Ayu Cindy, recently showcased her expertise at the prestigious KIAS-BUFS International Conference in Busan, Korea. The event, hosted by KIAS and BUFS, delved into the theme “The Political Economy of ASEAN Sub-Region: Issues and Concerns”.



Massita presented a paper Comparative Study of Integrated Natural Gas Market: Case of Trans-ASEAN Gas Pipeline Development Plan (TAGP) and ASEAN Common Gas Market (CGM). This paper examines natural gas integrated markets, drawing insights from the US, EU, and Australia, highlighting the significance of institutions, regulations, and market liberalization. The study offers valuable insights for enhancing regional energy security and sustainable development in ASEAN. This reflects PYC's dedication in contributing to global energy policy discussions.

# Events in **Energy Sector**



## ADB Gender Forum in Manila

Filda C. Yusgiantoro, Chairperson of Purnomo Yusgiantoro Center, took part as a speaker in 2 Billion Changemakers: Women Leading on Climate Action in Asia and the Pacific held by Asian Development Bank (ADB) on 21 November 2023 at the ADB Headquarters in Manila. During the event, Filda shared her insights on the importance of investing in women's human capital to accelerate the energy transition.

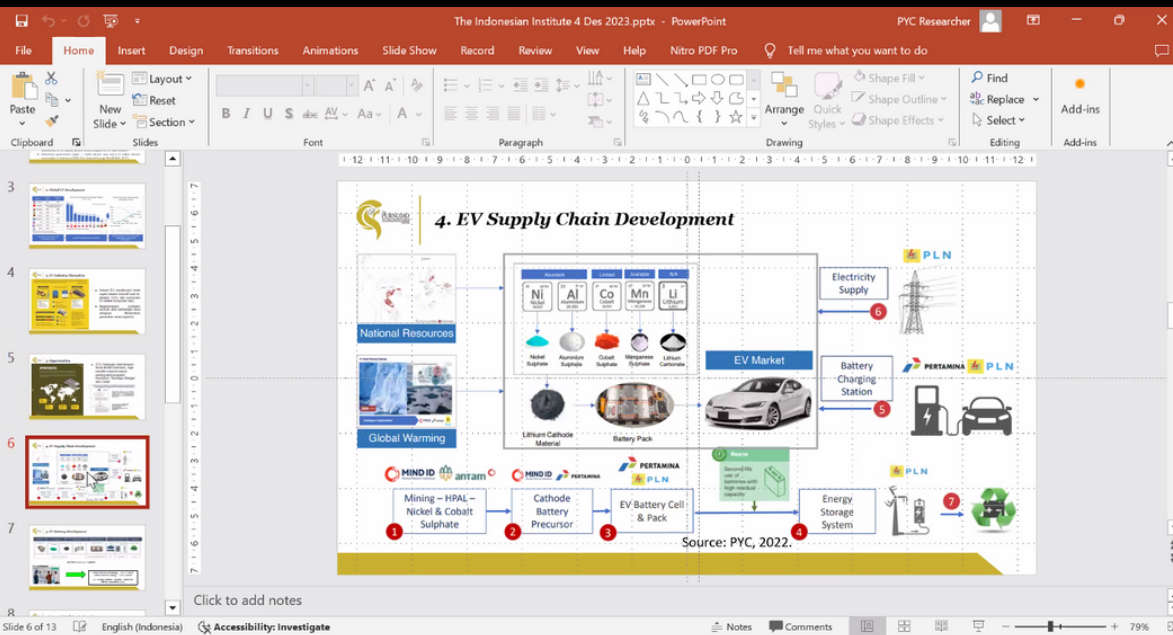


**Filda C. Yusgiantoro**  
(Chairperson of Purnomo Yusgiantoro Center)

She also provided recommendations in the areas of government policy, technological advancements, education and training, investments, and market demand to promote women's role in the energy transition.



# Events in **Energy Sector**



## **PYC Researcher, Akhmad Hanan, as a Speaker at The Indonesian Institute**

PYC researcher, Akhmad Hanan, served as a speaker in the PolicyTalks: Evaluation of the Electric Vehicle Policy Framework in Indonesia in 2023 webinar, presenting the “Development of Electric Vehicles in Indonesia”. This webinar was organized by The Indonesian Institute on 4 December 2023.

The progress of electric vehicles in Indonesia shows a positive trend with government support, the introduction of new models, and investments in infrastructure. Despite existing challenges, these steps create a strong foundation for the future growth of electric vehicles.



### **Workshop on Financial and Economic Challenges Towards Energy Transition in Indonesia**

On 14 December 2023, the Purnomo Yusgiantoro Center (PYC) received an honorable invitation from the Climate Policy Initiative to be a presenter at the Financial and Economic Challenges Towards Energy Transition in Indonesia Workshop.

On this occasion, Hadi Purnomo, our senior fellow, delivered a presentation on the reform of the energy market in Indonesia. He emphasized the importance of collaboration and transparency in the energy market to navigate the energy transition successfully. At the end of the presentation session, on behalf of the Chairperson of PYC, Hadi Purnomo presented a book from the founder of PYC to the Chairperson and Moderators.



### **PYC as Panelist in Indonesia Energy Transition Outlook (IETO) 2024 Report Release**

Dr. Evita H. Legowo, Senior Fellow at PYC, took part as a panelist in the launching event of the Indonesia Energy Transition Outlook 2024 report held by Institute for Essential Services Reform (IESR) on 15 December 2023 at the RRI Building.

During the event, Evita shared her insights on the need to reallocate energy price subsidies towards more sustainable alternatives, alleviating the burden on the government budget. She also discussed the challenges faced by nuclear power plant development, which has been stalled twice due to global nuclear accidents, shedding light on the complex dynamics of energy transitions.





## Purnomo Yusgiantoro Center Brings Indonesian Cultural Mission to China



**Filda C. Yusgiantoro**  
(Chairperson of Purnomo Yusgiantoro Center)

On 10 October 2023, the Purnomo Yusgiantoro Center (PYC) hosted a cultural mission The Beautiful Culture of Indonesia Goes to Beijing at the Central Conservatory of Music in Beijing, China. The event was attended by founder of PYC, Prof. Purnomo Yusgiantoro; Governing Board Member of PYC, Lis Purnomo Yusgiantoro; Chairperson of PYC, Filda C. Yusgiantoro; and Board Member of PYC, Febria Yusgiantoro. It was also attended by distinguished guests: the Indonesian Ambassador to Beijing, Djauhari Oratmangun and the Dean of the Department of Musicology, Prof. An Ping, along with other guests.

The program featured various performances of traditional Indonesian dances, such as Gandrung Dance, Saman Dance, Cenduk Menur Dance, and many more. The dances were accompanied by the Indonesian musical instrument, Kolintang. This program played a significant role in strengthening the friendship and cooperation between Indonesia and the People's Republic of China.





### National Osteoporosis Day (HON)

Thousands of people attended the National Osteoporosis Day (HON) at Gelora Bung Karno Jakarta on Sunday, 29 October 2023. The event was organized by the Indonesian Healthy Bone Community Association (Perwatusi) and supported by Purnomo Yusgiantoro Center.

This event was held as a form of awareness on the importance of taking effective and structured steps to prevent diseases that have no symptoms but have impacts on all Indonesian people.

Perwatusi and the government have launched the National Movement Against Osteoporosis inaugurated by Vice President, Ma'ruf Amin, in Jakarta.



### Bayan Run for Charity 2023

PT Bayan Resources successfully held Bayan Run for Charity 2023 at the West Plaza of Gelora Bung Karno on Sunday, 26 November 2023.

The event with the hashtag #Miles for Their Smile and carried the concept of “Charity Run and Green Event” was a collaboration between PT Bayan Resources with the Pita Kuning Foundation, where runners who took part in Bayrun for charity also participated in providing financial support in the form of donations for Indonesian children with or struggling with cancer.





A modern, brightly lit interior space, likely a lounge or waiting area, featuring rows of white, curved seating with integrated lighting and a large, illuminated wall panel.

Purnomo Yusgiantoro Room  
at Lemhannas RI

Hopefully, the renovation of this room will provide satisfaction and comfort to KPPD participants so that the knowledge obtained through this program can be well implemented by the participants.



### PYC Library at SKK Migas's Library Day

PYC Library is excited to participate in Library Day at SKK Migas, showcasing the wealth of knowledge housed at Purnomo Yusgiantoro Center. Our booth aims to introduce attendees to PYC, the PYC Library, and the Indonesian Journal of Energy (IJE).

We believe that this event provides an excellent opportunity for people to discover the valuable resources we offer. As part of Library Day, we joined SKK Migas in emphasizing the role of literature in professional growth, fostering a culture of continuous learning among employees through engaging activities and exploration of the latest industry publications.





### ***Kursus Pemantapan Pimpinan Daerah (KPPD)***

Spanning from 30 October- 17 November 2023, PYC held the Strengthening Indonesian Regional Leaders Programme (KPPD). The program was the outcome of a joint partnership between Lee Kuan Yew School of Public Policy Singapore (LKYSPP), Lemhannas RI, and PYC. The course took place at LKYSPP for the first two weeks, then continued at the Lemhannas RI.



The first-day training held at National University of Singapore (NUS).

This course aimed to improve the quality of human resources by implementing development programs and strengthening the leadership and public policy abilities of regional government officials in Indonesia, especially regents and mayors.





### PYC Chairperson, Filda C. Yusgiantoro, as a Speaker at the eACCESS - SPET

PYC Chairperson, Filda C. Yusgiantoro, presented the role of technology in advancing the development of renewable energy at the eACCESS Conference on Smart Power and Emerging Technologies organized by Atma Jaya Catholic University of Indonesia at the Century Park Hotel, Jakarta (07/11).



Chairperson PYC, Filda C. Yugsgiantoro & Chairman Committee Atma Jaya University, Marsul Siregar

As technology plays a crucial role in advancing development, renewable energy is key to addressing environmental challenges, reducing greenhouse gas emissions, and decreasing dependence on fossil energy sources. We can expedite the transition towards more sustainable and environmentally friendly renewable energy by continuously investing in technological innovation.

### 21st Economix International Seminar



Prof. Ir. Purnomo Yusgiantoro, M.Sc., M.A., Ph.D., IPU was the keynote speaker at the 21st Economix International Seminar organized by the Faculty of Economics and Business Universitas Indonesia (FEB UI) on Monday, 27 November 2023 at Balai Purnama Prawiro, UI Campus, Depok. On this occasion, Purnomo discussed the topic of downstream as a strategy for economic growth in Indonesia.

The 21st Economix International Seminar this time carries the theme "Indonesia's International Seminar: Tracing the Future of Global Value Chains and the Green Transition".





### PYC's Sentul Outing

As part of our yearly routine, PYC went to Sentul for an office outing. The PYC team spent 3 days and 2 nights in Aston Hotel, Sentul, and engaged in fun outdoor activities, such as team building and paintball. On the first day, the PYC team did the team building and ended the day with dinner at The Grill House Sentul.



The next day activity started with a paintball game, some shopping and ended with dinner together. For the last day, the PYC team did aerobics in the morning before packing up to go back home. What a fun trip!





### **PYC Chairperson, Filda C. Yusgiantoro, as a Speaker at Jewels Community Indonesia**

PYC Chairperson, Filda C. Yusgiantoro, served as a speaker in the "Sapphire Jewels Achievement: The Role of Youth and Technology in Advancing Sustainable Energy Development in the Homeland" webinar, organized by Jewels Community Indonesia.

In the presented material, it was explained that through close collaboration between youth and technology, we can create better solutions to achieve sustainable energy goals and improve the quality of life on this planet.





### PYC Year-End Gathering

On 9 December 2023, the PYC team celebrated the year's end with a gathering. It was held at Blue Jasmine Restaurant, South Jakarta. We took the Masquerade as this year's theme. The event was opened by a speech from PYC's founder, Purnomo Yusgiantoro and Chairperson, Filda Citra Yusgiantoro. The gathering started with ice breaking, continued with group games and concluded with dinner, exchanging gifts and door prizes.



## Monash GIG

On 13th December 2023, The Monash University Global Immersion Program was held at Atma Jaya Catholic University, Kampus Semanggi, Jakarta. This is a transformative guaranteed, funded overseas experience program for every first year student. The purpose of the program is to develop global leaders through solution focused study.

PYC had an opportunity to join the program. The main program which was arranged by the PYC team was Team Group Game. The game theme is about “Energy and Energy Transition” consists of agility and intelligence games, such as ‘guess-the-picture’ game, charades game, etc. Participants were enthusiastic and happy to participate in those games.





PYC 8<sup>th</sup> Anniversary

# PAPER COMPETITION

**“Holistic Transformation for A Sustainable Energy Future.”**

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Submit to:

**<http://bit.ly/PYCPapercompetition2024>**

Abstract Submission deadline:

**11 February 2024**

Full Paper Submission deadline:

**28 April 2024**

The winners will be announced at 8th anniversary of PYC on:

**16 June 2024**

For paper guidelines, please visit:

**[bit.ly/PYCPaperCompetition2024Template](http://bit.ly/PYCPaperCompetition2024Template)**

# PROMOTION BOOK

“Politik Energi:  
Teori dan Aplikasi”



Available Now

**Politik Energi: Teori dan Aplikasi**

Hardcover: 389.000,-  
Softcover: 359.000,-

Untuk Pemesanan:  
[bit.ly/PembelianBukuPYC](https://bit.ly/PembelianBukuPYC)  
(Link di bio)

Purnomo Yusgiantoro Center | @purnomoyusgiantorocenter | www.iec-pyc.org  
Purnomoycenter | Purnomo Yusgiantoro Center | iec@pycenter.org



Available Now

**Politik Energi: Teori dan Aplikasi**

Prof. Ir. Purnomo Yusgiantoro, MSc, MA, PhD, IPU.

"Politik energi dapat direfleksikan sebagai politik yang digunakan untuk suatu tujuan pencapaian dalam lingkup energi. Proses politik dapat dilakukan dengan menggunakan pendekatan soft power & hard power."

- Prof. Purnomo Yusgiantoro

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