

4th Quarter | October – December 2021



Purnomo Yusgiantoro Center

E-NEWSLETTER

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A Message From

The Chairperson

Greetings from Purnomo Yugianoro Center!

As another year comes to an end, we are elated to share news from our activities such as the long-awaited PYC International Energy Conference 2021, forum group discussions, and engaging cultural activities.

Despite the ups-and-downs of COVID-19 pandemic, 2021 has been a wonderful year for us and our organization. We are grateful to be able to continue our pursuit in research and cultural stride, and reaching new milestones in the process. In this spirit, we hope 2022 will provide all of us the best of health and prosperity.

On behalf of Purnomo Yugianoro Center, we would like to express our sincerest gratitude for continued supports from many parties, both from individuals and organizations. We look forward to working again with you in the years to come. We also always welcome new collaborations or partnerships with the same vision with us for next year.

Lastly, we wish you a peaceful Merry Christmas and a very Happy New Year! Stay healthy and safe!

Regards

Filda Citra Yugianoro, Ph.D.

Academic Corner

THE OPINION

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

A Turning Point for Renewable Energy in Indonesia?

By: Massita Ayu Cindy (Researcher at Purnomo Yusgiantoro Center)
Vivi Fitriyanti (Researcher at Purnomo Yusgiantoro Center)



The year 2021 might end up being seen as an important milestone for the development of renewable energy (RE) in Indonesia. So far in this year, the government has issued two important regulations; the energy ministry's Regulation No. 26/2021, concerning the use of rooftop solar power systems, and the Electricity Procurement Plan (RUPTL) for 2021-2030.

These two documents are predicted to facilitate the growth of renewable energy to 23 percent of the nation's energy mix by 2025. One notable point in the new regulation for solar rooftop systems is the ability for customers to export 100 percent of the electricity generated by rooftop solar panels to the state-run power company PLN.

[CLICK HERE FOR THE FULL ARTICLE](#)

The Importance of the South China Sea: Energy Perspective

By: Budi Prayogo Sunariyanto (Researcher at Purnomo Yusgiantoro Center)
Akhmad Hanan (Researcher at Purnomo Yusgiantoro Center)



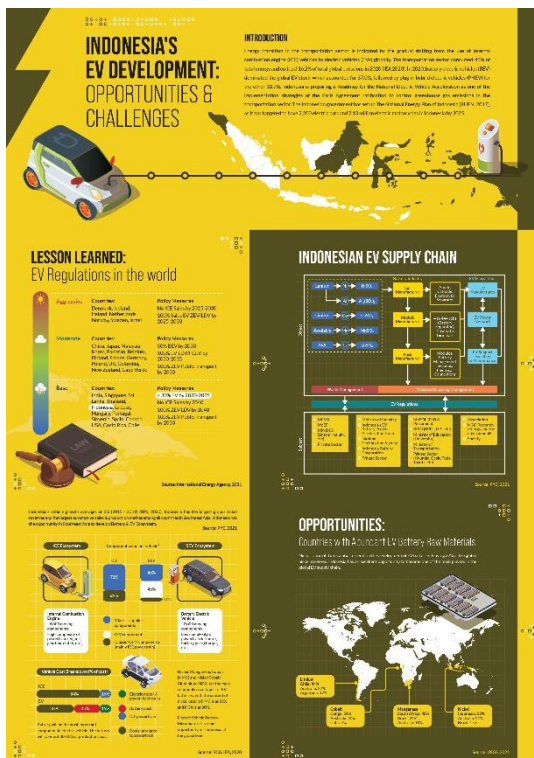
Territorial disputes for many countries in the South China Sea have become hot issues for several years until today. The South China Sea, mostly consisting of ASEAN countries and a part of the Asia Pacific region, is currently facing a unilateral claim from China. The dispute is not an intra-ASEAN conflict but involved some ASEAN members; Vietnam, Brunei Darussalam and the Philippines, against China (outside ASEAN) as an aggressive claimant of the South China Sea. Indonesia is also indirectly involved (as a non-claimant state) because fishers from China often engage in Illegal, Unreported, and Unregulated Fishing (IUUF) activities in the North Natuna Sea – the Indonesian Exclusive Economic Zone.

[CLICK HERE FOR THE FULL ARTICLE](#)

INFOGRAPHICS

This section is a collection of infographics arranged by our research team. The data is gathered from our Data Center and various sources.

Indonesia's EV Development: Opportunities & Challenges



Is Indonesia ready to develop electrification in the transportation sector?

The global phenomenon boosts EV development & utilization. The urgency of this development is also due to the pollution that is emitted from the transportation sector. Is Indonesia happy as a consumer, or can we do more?

The battery is the most vital component in Electric vehicles, where it takes out 30-35% of production cost. Nickel is one of the essential minerals in the development of EV batteries. Indonesia has an excellent opportunity to become one of the leading players in the global EV supply chain, as the owner of 24% of global nickel reserves, making Indonesia the country with the largest nickel reserves. However, when there is a light, there will be a shadow. This development also has several obstacles that need to be tackled.

So let's read and understand Indonesia EV's development and what challenges it is facing today.

[CLICK HERE TO SEE THE FULL INFOGRAPHIC](#)

Our Publications

PYC International Energy Conference 2021: The Enhancement of Energy Security for a Sustainable Future



In responding to the challenges of energy needs for a sustainable future, Purnomo Yugiangoro Center held the "PYC International Energy Conference 2021". This event is held every two years, and this year we chose the theme "The Enhancement of Energy Security for a Sustainable Future". The event was held online on 6 - 7 October 2021. Airlangga Hartarto, Coordinating Minister for Economic Affairs of Indonesia, gave his opening speech on the first day. We invited respectable experts of the energy sector such as Bambang Brodjonegoro, Arifin Tasrif, Daniel Yergin, Tutuka Ariadji, Ridwan Djamaluddin, and many more. The conference started with Strategic Talk and Parallel Session on the first day. Then, it continued with four parallel sessions; Oil and Gas, Electricity, Coal, and New and Renewable Energy.

Click below to watch the event



Energy Drink by PYC Ep. 21 – “Sinergi Hulu-Hilir Gas Bumi Indonesia” (ft. Dr. Saleh Abdurrahman)

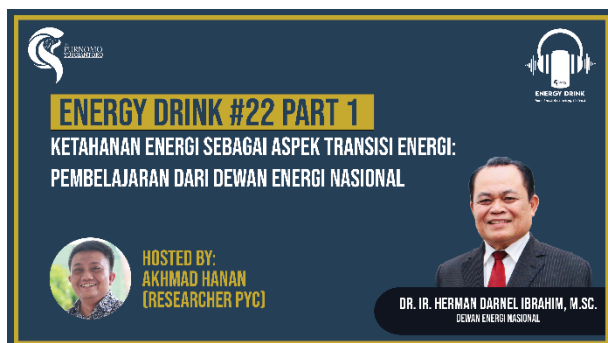


In this podcast episode, we talk about how the paradigm shift in the utilization of Indonesia natural gas from revenue generators into a means to create a multiplier effect in supporting national economic growth, and the obstacles that came with it. We want to dig deeper into the issues and the plans from the Government, from the perspective of the natural gas transmission and distribution industry. Everything will be discussed with Dr. Ir. Saleh Abdurrahman, M.Sc from BPH Migas along with a member of our research team, Ayu.

Click below to watch this episode



Energy Drink by PYC Ep. 22 – “Ketahanan Energi Sebagai Aspek Transisi Energi” (ft. Dr. Herman Darnel Ibrahim)



For these 2-part episodes, we invited the distinguished Dr. Ir. Herman Darnel Ibrahim, M.Sc. from National Energy Council (DEN). We discussed whether Indonesia's *Rancangan Umum Energi Nasional* / General National Energy Plan (RUEN) will be able to guarantee a sustainable energy transition process, and what lessons can be learned from other countries during the transition period. Everything will be discussed exclusively with Dr. Herman and a member of our research team, Hanan.

Click below to watch this episode



Energy Drink by PYC Ep. 23 – “Kaleidoskop Energi 2021”



In this special episode, we close the year 2021 by discussing the highlight of the energy sector throughout the year. Many improvements have been achieved, such as adding the NRE portion in “green” RUPTL. The implementation needs to be monitored, and China is stopping its PLTU investment abroad, which is a significant signal for the energy transition. There is also a carbon pricing plan which will be implemented in 2022. Additionally, there is news about the energy crisis in Europe and its impact on the national and global levels. Everything will be discussed in an engaging conversation between our researchers, Dewa and Ayu, and lively moderated by Vivi.

Click below to watch this episode



ENERGY 24/7



ENERGY DRINK
Your Favorite Energy Podcast

ENERGY 24/7 is a part of our Energy Drink Podcast. We cover the latest news in the energy sector and present it to you every Saturday. Keep yourself informed with the latest energy updates by listening to ENERGY 24/7.

Click below to listen



Data Center

PYC Data Center is a website-based data platform that provides information on policy, economics and statistics related to energy and mineral resources.



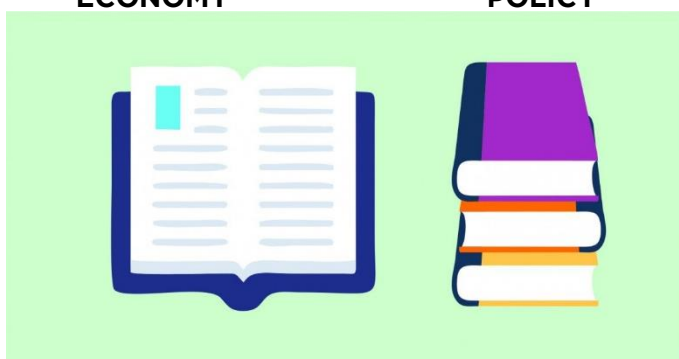
STATISTICS



ECONOMY



POLICY



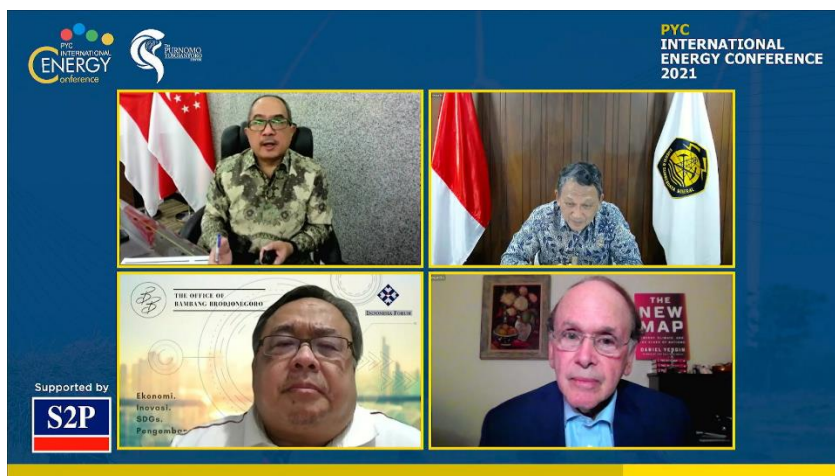
GLOSSARY AND ANNEX

Data Updates (November 2021)

- [GOVERNMENT REVENUES \(TAX AND NON-TAX\)](#)
- [INDONESIA ENERGY BALANCE](#)
- [INDONESIA COAL BALANCE](#)
- [INDONESIA NATURAL GAS BALANCE](#)
- [INDONESIA OIL BALANCE](#)
- [MAP OF GEOTHERMAL RESOURCES AND RESERVES](#)
- [GLOBAL HYDROPOWER CAPACITY](#)
- [GLOBAL WIND ENERGY](#)
- [GLOBAL SOLAR CAPACITY](#)
- [GLOBAL BIOENERGY CAPACITY](#)

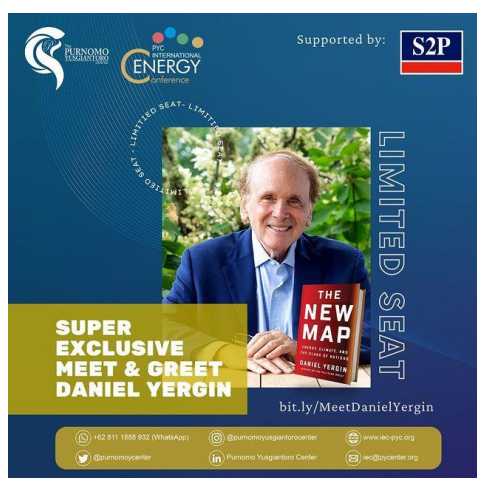
Events in Energy Sector

PYC International Energy Conference 2021: The Enhancement of Energy Security for a Sustainable Future



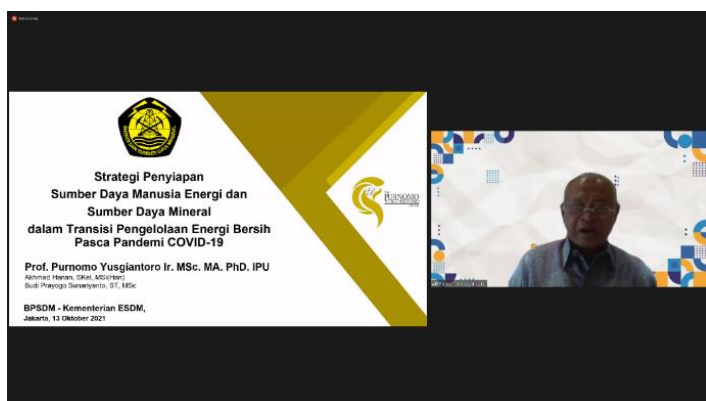
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Exclusive Meet and Greet with Daniel Yergin



On 6 October 2021, PYC held an Exclusive Meet and Greet with Daniel Yergin, a Pulitzer-Prize winning author. This event was a part of the PYC International Energy Conference 2021. To start the event, Filda C. Yusgiantoro, Chairperson of PYC, gave her opening remarks. Luky A. Yusgiantoro, member of the Governing Board of PYC, was the moderator of the event. Dr. Yergin discussed his latest eye-opening book "The New Map: Energy, Climate, and the Clash of Nations". He also shared his perspective on geopolitics, energy security and national defense in Asia Regions, specifically regarding the South China Sea and Belt & Road Initiative.

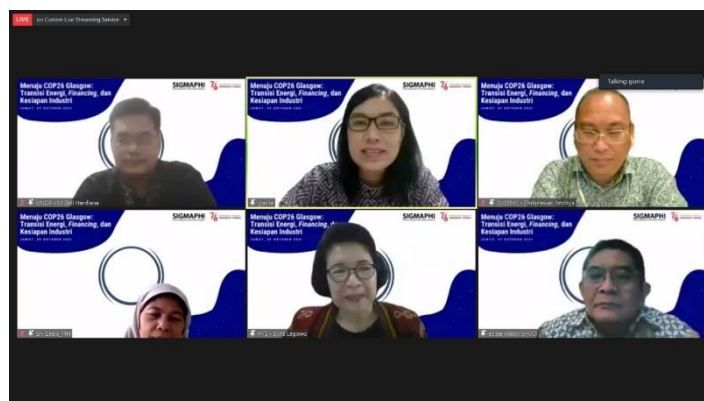
National Seminar on Preparing Human Resources for Energy and Mineral Resources in the Clean Energy Transition Post-Covid-19 Pandemic at BPSDM



On 13 October 2021, the Human Resources Development Agency (BPSDM) of the Ministry of Energy and Mineral Resources (MEMR) held a national seminar related to the preparation of energy and mineral resources (EMR) human resources. This event is a series of "20 years of BPSDM Working for Indonesia" in the framework of the BPSDM's anniversary. Prof. Purnomo Yusgiantoro, the founder of PYC, was the keynote speaker in this seminar. Prof. Purnomo Yusgiantoro gave a message to all

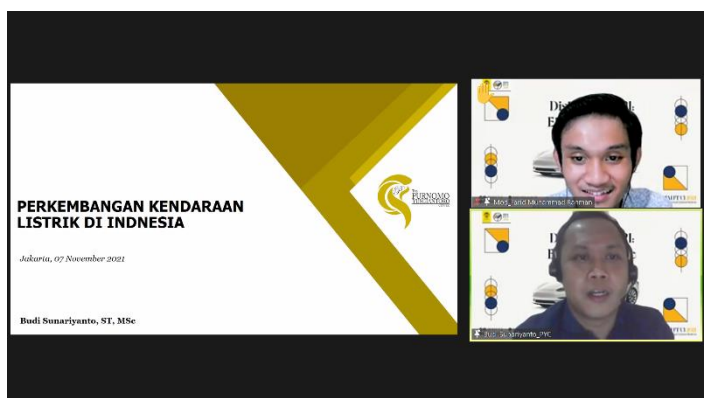
participants to become the next generation in the EMR sector which is visionary and able to face the global shifting paradigm: Volatility, Uncertainty, Complexity, Ambiguity (VUCA).

Menuju COP26 Glasgow: Transisi Energi, Financing, dan Kesiapan Industri



On 29 October 2021, Evita Legowo, representing The Purnomo Yusgiantoro Center (PYC), was one of the speakers in the webinar titled "*Menuju COP26 Glasgow: Transisi Energi, Financing, dan Kesiapan Industri*" held by SIGMAPHI Indonesia. Adjunct Researcher of SIGMAPHI, Telisa Falianty opened the discussion while Gianie from Kompas moderated the webinar. Evita Legowo highlighted some key strategies to accelerate the new and renewable energy (NRE) development, for example, provision of fiscal and non-fiscal incentives. Other speakers in the webinar were Chrisnawan Anditya (Ministry of Energy and Mineral Resources), Eddie Widiono (*Prakarsa Jaringan Cerdas Indonesia*), Sri Gadis (*Perusahaan Industri Hijau*), and M. Didi Hardiana (UNDP Indonesia).

DISKANTEK UI: Development of Electric Vehicles in Indonesia



On 17 November 2021, one of PYC researchers, Budi Sunariyanto, became a speaker in the discussion on the Development of Electric Vehicles in Indonesia, held by the student body of the Engineering Faculty of Universitas Indonesia. The discussion aims to share updates on technology and development plans of Indonesian electric vehicles with students and the public. During the discussion, Budi highlighted several points on electric vehicle updates in Indonesia and globally, including the

challenges, opportunities, public support, lessons learned from other countries, and recommendations for the government. Other speakers also present were Edward Otto Kanter, the Advisor to Toyota Motor Manufacturing Indonesia (PT. TMMIN), and Rifki Gazali, Junior Analyst at Pertamina. They presented several Indonesian electric vehicles development updates from the industry and the government perspectives, respectively.

PYC and TM ITB - National Seminar "Sustaining Indonesia Energy Security and Accomplishing Net-Zero Emissions through Petroleum Engineering Technology & Education".



On 27 November 2021, PYC in collaboration with the Petroleum Engineering Program, Faculty of Mining and Petroleum Engineering, Institut Teknologi Bandung (TM ITB) held a National Seminar titled "Sustaining Indonesia Energy Security and Accomplishing Net-Zero Emissions through Petroleum Engineering Technology & Education". This seminar was held online, and was opened with remarks from the Rector of ITB, Prof. Reini Wirahadikusumah, Ph.D, and the Chairperson of PYC, Filda C. Yusgiantoro, Ph.D. In her opening remarks, Mrs. Filda said the implementation of this event showed the shared goals of PYC and TM ITB, which is the

important role of educational institutions in increasing national oil production and implementing the Industrial Revolution 4.0, and Net Zero Emissions.

The event continued with a keynote speech from Dr. Ir. Airlangga Hartarto as the Coordinating Minister for Economic Affairs, and Ir. Arifin Tasrif as Minister of Energy and Mineral Resources. The event opened four sessions with diverse topics and panelists; Advancement in Enhanced Oil Recovery, Future Petroleum Engineering Education, Digitalization & IOT for Upstream Industry, and Energy Security and Net Zero 2060. One of PYC researchers, Budi Sunariyanto moderated the fourth Panel Session.

Lifetime Achievement Award by Energy and Mining Editor Society (E2S) for Prof. Purnomo Yusgiantoro



On 8 December 2021, Energy and Mining Editor Society (E2S) held E2S Awards 2021. The event was conducted virtually through Zoom Meeting and was attended by many experts from the Energy Sector. E2S Awards 2021 was held to show appreciation for those significantly involved in the energy and mineral resources sector.

The Founder of Purnomo Yusgiantoro Center, Prof. Ir. Purnomo Yusgiantoro, M.Sc., M.A., Ph.D., IPU., was given the Lifetime Achievement Award by E2S for his contributions to the energy sector throughout the years. In his acceptance speech, Prof. Purnomo mentioned how the energy sector is a dynamic field that contributes to the country dutifully, and he proceeded to thank his fellow colleagues throughout the years of his career.



Social Initiatives

Gerakan Nasional Melawan Osteoporosis (HON)



Held on 23 October 2021, the National Osteoporosis Day, *Gerakan Nasional Melawan Osteoporosis (HON)* was organized by the *Perkumpulan Warga Tulang Sehat Indonesia (Perwatusi)*. In general, this activity aims to urge people to realize the importance of maintaining a healthy lifestyle, especially for the prevention of bone disorders. One of the Members of The Governing Board PYC, Mrs. Lis Purnomo, said that this activity is a way to raise awareness and prevent the onset of bone health diseases early. Both prevention efforts can be done

through medication or consumption of calcium specifically for bones, to physical exercises. PYC also provides support as we are also concerned in social welfare and aim to assist the society in health, well-being, and education.

The Announcement of Lenggang Puspa Dance Competition



In commemoration of the 76th Indonesian Independence Day and the anniversary of Rumah Nusantara Puspo Budoyo (RBN), the organization successfully held a cultural competition. The Purnomo Yugianoro Center (PYC), gave full support to this activity. It was conveyed by one of the Members of The Governing Board of PYC, Lis Purnomo. She felt proud and touched because in this era of globalization, people in Indonesia, especially the younger generation, still continue to preserve the nation's culture. She represented PYC and also

expressed hope that this event will be an inspiration for the wider community and be able to improve the quality, innovation, and creation of Indonesia's cultural wealth.

Lomba Kreativitas Kolintang Virtual (LKKV) 2021



Lomba Kreativitas Kolintang Virtual (LKKV) 2021 was organized by PINKAN Indonesia and Purnomo Yusgiantoro Center. It was held to compete for the rotating trophy from Ministry of Communication and Information Technology of Indonesia. This activity took place on 17 December, 2021 at the Auditorium of Radio Republik Indonesia (RRI) Jakarta. Febria Yusgiantoro, the Treasurer of PYC, attended the event.

LKKV was conducted with the aim to preserve Indonesian's culture, while holding the ideals of 'Kolintang goes to UNESCO'. This Kolintang competition was divided into two categories; Mothers and Millennials. Therefore, the competition provided opportunities for everyone to win. PYC proudly supports competitions such as LKKV which focuses on Indonesian arts and culture conservation.

The Book Launching of "Energi Sudjiatmi: Revolusi Mental Ibunda Jokowi"



The book entitled "Energi Sudjiatmi, Revolusi Mental Ibunda Jokowi" was launched on December 22, 2021 in Surakarta. The book was launched exactly on Mother's Day to dedicate it to Mrs. Sudjiatmi, the mother of President Joko Widodo. In her opening remark, the Chairperson of Purnomo Yusgiantoro Center (PYC), Mrs. Filda C. Yusgiantoro explained how PYC supports and encourages educational activities that will hopefully inspire many people. Mrs. Filda also expressed her hope that the launch of this book would serve as a reminder for us to always be humble and sincere in doing our work, and not to forget the attitude to help each other. In the launch of this book, PYC also collaborated with Yayasan Indonesia Sentris, Lembaga Kajian Nawacita and Roemahkoe Heritage Hotel.

Other Events

Handover of PYC Books to The Library of Congress



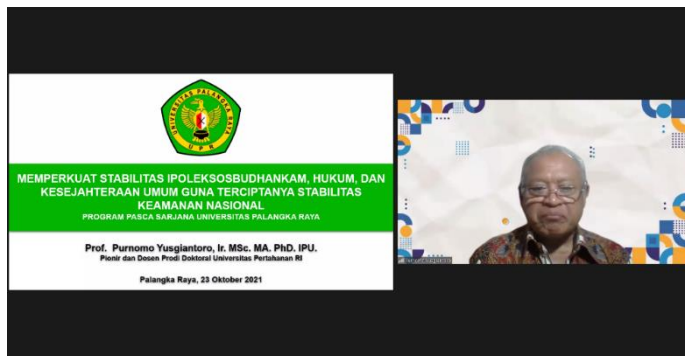
On 14 October 2021, Dr. Carol L. Mitchell, Field Director, and Ade Farida, Head of Acquisitions of Library of Congress, USA, visited Purnomo Yusgiantoro Center's office in Wijaya, Jakarta. The visit was to acquire a number of books published by PYC for their library. As a form of appreciation, PYC held a book-handing ceremony and was attended by Prof. Purnomo Yusgiantoro, Filda C. Yusgiantoro, and Amelia Yusgiantoro. Now, the books from PYC that are available in the Library of Congress are *Purnomo Yusgiantoro di Hati Kami*, *Ekonomi Energi*, *Ekonomi Pertahanan*, *The Footprints of Time*, *Rekam Jejak* series, and many more.

The Signing of Dato' Dr. Low Tuck Kwong-PYC Scholarship Scholarship for The University of Indonesia



On 21 October 2021, Purnomo Yusgiantoro Center signed the Memorandum of Understanding (MoU) for scholarships between Dato' Dr. Low Tuck Kwong and the Rector of Universitas Indonesia, Prof. Ari Kuncoro. The Universitas Indonesia is the third university in Indonesia given this scholarship, after Institut Teknologi Bandung and Universitas Gadjah Mada. The event was held offline and was attended by Dato' Dr. Low Tuck Kwong himself, Prof. Ari Kuncoro, Prof. Purnomo Yusgiantoro, Filda C. Yusgiantoro, Luky A. Yusgiantoro, Inka B. Yusgiantoro, Alexander E. Wibowo, Febria Oroh Yusgiantoro, Amelia Yusgiantoro, staff of PYC, and the vice rectors from Universitas Indonesia. PYC was trusted by Dato' Dr. Low Tuck Kwong to represent him in this scholarship, with Filda C. Yusgiantoro signing the MoU.

National Seminar on Postgraduate Program at Palangkaraya University



On 23 October 2021, the Postgraduate Program at Palangkaraya University held a national seminar on “Strengthening National Resilience and Welfare to Achieve National Security Stability”. Prof. Purnomo Yusgiantoro, the founder of PYC, was the keynote speaker in this seminar. Prof. Purnomo Yusgiantoro explained that in order to achieve National Stability, we must balance the “three national concepts,” including National Resilience, National Security, and National Defense. Three national concepts

are the foundation of the state, based on the 1945 Constitution and Pancasila. The Postgraduate Program initiated this seminar at Palangkaraya University (PPs-UPR) in collaboration with the Indonesia Defense University (UNHAN RI); Indonesian Environmental Sanitation Engineers Association (IATPI) Central Borneo Province; FORPIMPAS; Student Association (ASOMA) of Palangkaraya University; and the Palangkaraya University Graduate Program Alumni Association.

Talk Show: *Menuju Industri Kimia Nasional yang Berdaulat* with IATK ITB



On 23 October 2021, Dr. Filda C. Yusgiantoro was invited to 80th chEers Day&Nite virtual event and attended the talk show: *Menuju Industri Kimia Nasional yang Berdaulat*. The talk show was held by ITB Chemical Engineering Alumni Association (IATK ITB). This event aims to launch the Alumni Book and promote the National Chemical Industry White Paper "*Menuju Industri Kimia Nasional yang berdaulat*" which will be handed over to the Government of

Indonesia by the first quarter of 2022. Along with Mr. Ricky H. Wargakusumah and Mrs. Arini Tathagati, Dr. Filda C. Yusgiantoro talked about the purpose of the white paper. The desired white paper conveys the current state of the national chemical industry and then delivers the recommendations and proposed steps that should be measured. One of the thoughts of making the "White Paper" is to be used as a reference for the National Industry Committee, which the government will form as an implementation of the mandate of Law 3/2014 on Industry article 112 concerning the National Industry Committee (KINAS). The Alumni Book and the National Chemical Industry White Paper "*Menuju Industri Kimia Nasional yang Berdaulat*" summarizes various thoughts from IATK ITB. The Speakers hope that the book and white paper can give insights to strengthen the sovereignty of the national chemical industry.

Education Technology Summit (EdTech) 2021



On 29 October 2021, Dr. Filda Citra Yusgiantoro, Chairperson of PYC, was invited to the Education Technology Summit (EdTech) 2021 as a keynote speaker at the talk show session. Edmit is an annual event organised by Salam Ganesa which carries the theme: Diversity of Edtech, by presenting various edutech pioneers along with a number of experts and practitioners. The three-day activity succeeded in attracting 5,000 participants from all over Indonesia registered in various sessions. The participants also came from various backgrounds, although they are dominated by students and young professionals.

Dr. Filda Citra Yusgiantoro along with Mr. Rinto Pudyantoro talks about the importance of educational technology to help learners discover their role as themselves and as human beings in society. Dr. Yusgiantoro and Mr. Pudyantoro said that there is a great need for human resources who will support the energy transition today. This energy transition needs to be supported by qualified human resources so that sustainable energy security can be realized and based on the environment.

Focus Group Discussion on the Writing of the National Chemical Industry White Paper

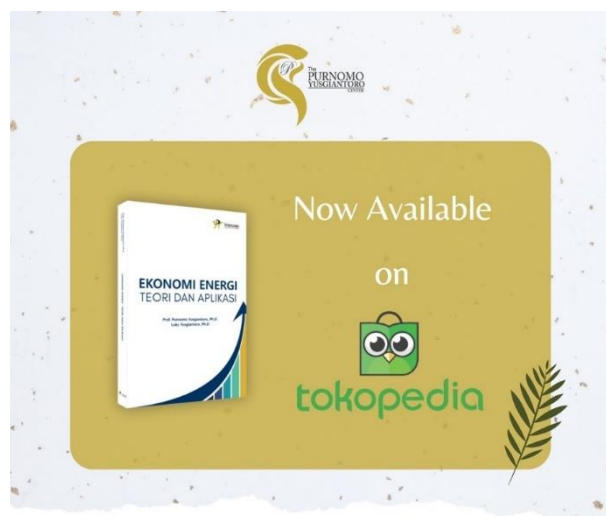


On 4 and 11 November 2021, the Purnomo Yusgiantoro Center (PYC) held a Focus Group Discussion (FGD) in collaboration with the Chemical Engineering Alumni Association of the Institut Teknologi Bandung (IATK-ITB). This FGD aimed to discuss the contents of the white paper entitled "*Menuju Industri Kimia Nasional yang Berdaulat*," which was written by a team of author from IATK-ITB and has been reviewed and finalized by the PYC team. This white paper contains thoughts on the national chemical industry development strategy that aims to support and encourage the future growth of the national chemical industry and 80 years commemoration of higher education in chemical technology in Indonesia.

The first session of the FGD was held on 4 November 2021, discussing Chapters 1 and 2 regarding the introduction and the current condition of the chemical industry, respectively. The second session was held on 11 November 2021, discussing Chapters 3 and 4 regarding the future national chemical industry and the recommendations. The FGD was attended by the IATK-ITB writer team, Steering Committee (SC) of the white paper, Chairperson of PYC Mrs. Filda C. Yusgiantoro, and PYC Researchers Massita Ayu Cindy, Haryanto, and Vivi Fitriyanti.

More From Us

Purnomo Yusgiantoro Center Books



tokopedia.com/purnomoyusgiantorocenter

We have finally opened our online store on Tokopedia to make it easier for you to purchase our books. The store is open during business hours from Monday to Friday. All orders made outside of business hours will be processed on the next working day.

Visit our page:

[CLICK HERE TO BUY OUR BOOKS](https://tokopedia.com/purnomoyusgiantorocenter)

Call For Papers for Indonesian Journal of Energy



Indonesian Journal of Energy by Purnomo Yusgiantoro Center is accepting manuscripts for publication in the future issues of the journal. Currently, the journal is inviting papers for the 2022 issues.

Please read the submission and author guidelines here:

[CLICK HERE TO SUBMIT YOUR PAPER](https://ije-pyc.org)

The New Map by Daniel Yergin



AVAILABLE NOW
The New Map by Daniel Yergin

The New Map: Energy, Climate, and The Clash of Nations
Daniel Yergin, a Pulitzer-Prize Winning Author

"(A) wonderful book on the TRANSFORMATION OF THE GLOBAL MAP OF POWER AND WEALTH that has happened in the 21st century"
-The Sunday Times (London)

"DANIEL YERGIN HAS TURNED HIS CONSIDERABLE TALENTS to explaining how the world continues to be shaped by oil."
-The Wall Street Journal

Get yours now! Order here:
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IDR 555.000,-

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We are proud to announce that Purnomo Yusgiantoro Center is one of the official distributors for Daniel Yergin's "The New Map: Energy, Climate, and the Clash of Nations".

And now, the book is available for you to purchase! Check out our special bundling packages for more interesting offers.

CLICK HERE FOR MORE INFO!

Rekam Jejak by Prof. Purnomo Yusgiantoro



AVAILABLE NOW
Rekam Jejak oleh Prof. Purnomo Yusgiantoro

Rekam Jejak:
Menguak Masa Transisi 2000-2009
Mengenang Masa Transisi 2000-2009
Prof. Ir. Purnomo Yusgiantoro, M.Sc., M.A., Ph.D., IPU.

Untuk pemesanan:
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Get this set of Rekam Jejak Dua Periode ESDM: Menguak dan Mengenang Masa Transisi 2000-2009, by Prof. Purnomo Yusgiantoro.

This set of two books tells Prof. Ir. Purnomo Yusgiantoro, M.Sc., M.A., Ph.D., IPU. and his experience in one of the national strategic sectors, Energy and Mineral Resources (ESDM). Through this book, readers will be taken to a journey and see the intricacies of ESDM's advancement, especially during the transition period of Reformation era.

Get yours now!

CLICK HERE FOR MORE INFO!

PYC International Energy Conference Paper Competition Champions



PYC International Energy Conference 2021
The Enhancement of Energy Security for a Sustainable Future

HERE ARE OUR PAPER COMPETITION CHAMPIONS!

1st Winner **Integrated Wastewater and Waste Heat Recovery System in Coal-Fired Power Plants Using Reverse Osmosis to Produce Clean Water and Increase Thermal Efficiency**
Vincentius Adven Brilian; Sasa Aulia; Farah Octaviani; Thariq Arian Khalfani

2nd Winner **The potential contribution of projected ASEAN Power Grid to emission reduction**
Ibnu Budiman; Akbar Swandaru; Beni Suryadi

3rd Winner **The Impact of Growing Electric Vehicle and Battery Production to Nickel Supply Chain in Indonesia Using System Dynamics Approach**
Putu Indy Gardian; Ardhi Rasy Wardhana; Rio Pramudita

4th Winner **Structure Linkage and Its Control to Geothermal Manifestation in Mount Lawu Geothermal Field, Central and East Java**
Alfian Gilang

5th Winner **Developing Innovative Financing Scheme for Leveraging Energy Efficiency Deployment in Indonesia**
Robi Kurniawan; Irwan Wahyu Kurniawan

6th Winner **Fast EV Charging Station with Renewable Energy Source for Better Environment**
Riza; Asih Kurniasari; Hafsa Halidah; Adisa Larasati; Dionysius Aldion Renata; Prasetyo Aji; MM. Sarinanto



PYC International Energy Conference 2021

The Enhancement of Energy Security for a Sustainable Future

HERE ARE OUR PAPER COMPETITION CHAMPIONS!

7th Winner **The Implementation of Micro Submersible Hydro Power Plant as a Solution to Maintain the Electrical Energy Resilience in Eco-Friendly Rural Areas**
Marcellinus Gonzaga; Argamanda

8th Winner **Grid Fluctuation Index (GFI) to Support Countries in the Energy Transition**
Kazuyuki Murakami; Yamada Fumiko; Masahiro Ozawa; Shinjiro Teuchi; Andy Tirta

9th Winner **The Role of Energy Literacy in Supporting Energy Conservation in Indonesia: A Public Opinion Survey**
Laurentius Kevin Hendinata; Tantri Ardiwinata; Filipus Kevin Tirta Pratama

10th Winner **Numerical Simulation on High Thermal Efficiency Geothermal Powerplant in the Reheat-Regenerative Rankine Cycle in Patuha Field**
Muhammad Mustofa Bisri; Kiagus Muhammad Arsyad; Mochammad Naufal Septiflandi; Ferdiansyah Rahman

THE JURIES



Dr. Sandy Kerr
Heriot-Watt University
United Kingdom



Dr.-Ing. Evita H. Legowo
Swiss German University
Indonesia



Sarjiya, Ph.D.
Universitas Gadjah Mada
Indonesia

PYC International Energy Conference Infographic, Photo, and Essay Competition Winners



The infographic is a blue rectangular poster with white and yellow text. It features logos for 'The PURNOMO YUSGANTORO CENTER' and 'PYC INTERNATIONAL ENERGY conference' at the top. The main title is 'PYC International Energy Conference 2021' with the subtitle 'The Enhancement of Energy Security for a Sustainable Future'. Below this, the 'INFOGRAPHIC COMPETITION' section lists winners for 1st, 2nd, 3rd place, and a Favorite Winner, all for the topic 'Self Powered Building'. The 'PHOTO COMPETITION' section lists winners for 1st, 2nd, 3rd place, and a Favorite Winner, with topics like 'Electrical Grid Security' and 'Bertani Hidroponik dengan Lampu Ultraviolet Panel Surya'.

PYC International Energy Conference 2021
The Enhancement of Energy Security for a Sustainable Future

INFOGRAPHIC COMPETITION

1st Winner **Self Powered Building**
Angela Nadia Cahya Novita, Nadia Mahardika Rafif, Yolanda Lisu Sumbung

2nd Winner **Photovoltaics: Utilizing Solar Power in Daily Life**
Margareth, Ivana

3rd Winner **Sustainable and Resilient Waste-to-Energy by Self-sufficient Anaerobic Digestion**
Nguyen Quynh Anh

Favorite Winner **Self Powered Building**
Angela Nadia Cahya Novita, Nadia Mahardika Rafif, Yolanda Lisu Sumbung

PHOTO COMPETITION

1st Winner **Electrical Grid Security**
Kiagus Muhammad Arsyad

2nd Winner **Bertani Hidroponik dengan Lampu Ultraviolet Panel Surya**
Eliezer Cristiawan Dua Lembang

3rd Winner **Human Interaction with Electrical Energy**
I Made Bagus Pradipa Nala Permana

Favorite Winner **Electrical Grid Security**
Kiagus Muhammad Arsyad



PYC International Energy Conference 2021

The Enhancement of Energy Security for a Sustainable Future

ESSAY COMPETITION

1st Winner **Why Multi-Approach Policy Interventions Matter to Accelerate Indonesia's Energy Transition?**
Faiz Rafiza Ahmadani

2nd Winner **Geothermal as An Alternative Path Toward Energy and Lithium Sovereignty**
Fauzi Yusupandi

3rd Winner **Unpacking Energy Management System Implementation in Building Sector's**
Robi Kurniawan

PYC Energy Awards 2021 Winners

YAYASAN INDONESIA
CERAH



PYC Energy Awards 2021

THE WINNERS



Beli Jelantah

PT Sumba Solusi Alam

THE JURIES



Rachmawan Budiarto
Universitas Gadjah Mada

Chrisnawan Anditya
Ministry of Energy and
Mineral Resources of
Republic of Indonesia

Filda C. Yusgiantoro
Purnomo Yusgiantoro Center



Aditya Mulya Pratama
New Energy Nexus Indonesia

Adhityani Putri
Yayasan Indonesia CERAH



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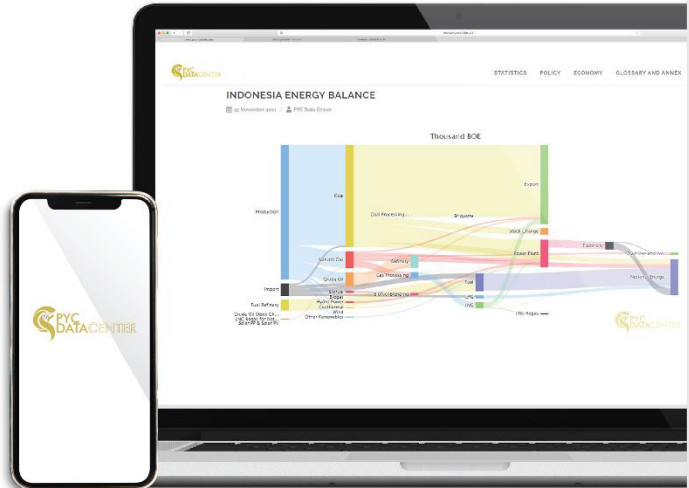


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Submit it to:

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Fight COVID-19

**Let's Get
Vaccinated**



**And also,
never forget!**



Physical
Distancing



Wear
Your Mask



Wash
Your Hands



Avoid the
Crowds



Reduce
Mobility



May this Christmas find you surrounded by
family, friends, and laughter!

Merry Christmas & Happy New Year

A handwritten signature in black ink, reading 'Filda C. Yusgiantoro, Ph.D.', positioned above a horizontal red line.

Filda C. Yusgiantoro, Ph.D.
Chairperson of Purnomo Yusgiantoro Center



*Happy New
Year 2022!*

We wish you lots of love, joy,
and health for the rest of the
year.

A handwritten signature in black ink, reading 'Filda C. Yusgiantoro, Ph.D.', positioned above a horizontal gold line.

Filda C. Yusgiantoro, Ph.D.
Chairperson of Purnomo Yusgiantoro Center

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