ASPIRE Young Energy Fellows Batch III

Background

The energy sector is undergoing a profound transformation driven by evolving global dynamics, technological advancements, and the growing imperative to achieve energy security and sustainability. These developments require not only adaptive policies and strategic investments but also the development of capable human resources equipped with the knowledge, analytical skills, and innovative perspectives necessary to address emerging energy challenges.

As Indonesia continues to navigate its energy transition while safeguarding national energy security and economic resilience, engaging young talents in energy-related research and discourse has become increasingly important. University students, as future professionals and policymakers, have the potential to contribute fresh perspectives, critical thinking, and innovative ideas to support the advancement of Indonesia's energy sector.

In this regard, Pertamina Energy Institute, as a center for energy research, knowledge development, and strategic insights, seeks to foster greater awareness and understanding of the energy industry among university students through **ASPIRE (Advancing Students and Professionals in Energy Research and Insights) Young Energy Fellows Batch III**.

The fellowship program is designed to provide selected university students with opportunities to deepen their understanding of the energy landscape, strengthen their research and analytical capabilities, and gain exposure to key issues and developments across the energy sector. Through structured learning, knowledge-sharing activities, and research-based assignments, the program aims to cultivate a generation of young energy talents who are well-informed, forward-thinking, and capable of contributing meaningfully to the future of Indonesia's energy industry.

Ultimately, ASPIRE Young Energy Fellows Batch III reflects Pertamina Energy Institute's commitment to nurturing future energy leaders and building a stronger bridge between academia and the energy industry.

Requirements

General Requirements

- Active university student (Bachelor or Master) from a reputable university in Indonesia (minimum semester 5 (for Bachelor), and final year (for Master) with GPA ≥ 3.0)
- Proficiency in Microsoft Office: Word, Excel, and PowerPoint
- Fluency in English (writing, speaking, and listening)
- Demonstrates a strong willingness to learn, adaptability, and ability to work independently and collaboratively
- Strong interest in ASEAN regional collaboration and the energy sector
- Available for a 6 months program (with possible extension if required) in Jakarta, Indonesia
- Willing to work fully on-site at our Jakarta office

Specific Requirements

1. **Learning Development Young Research Fellow**
   - Major in Psychology, Management, Communication, Education, or related fields;
   - Strong interest in learning programs, training, and people development;
   - Ability to support training coordination, scheduling, and participant management;
   - Ability to assist in developing training materials (presentations, simple modules, or documentation).
2. **Regional Study and Affairs Young Research Fellow**
   - Major in International Relations, International Studies, Public Policy or other relevant fields;
   - Familiarity with drafting agreements and facilitating cooperation initiatives.
   - Strong interest in ASEAN regional affairs, international cooperation, and the energy sector;
   - Good research, analytical, and writing skills, particularly in regional studies and related topics;
   - Good communication and coordination skills, particularly in engaging with government stakeholders and international organizations.
3. **Media Communication Young Fellow**
   - Major in Visual Communication Design (DKV), Communications or related fields;
   - Skills in Canva, Figma, Illustrator, Photoshop, Premiere Pro, or similar tools;
   - Possesses a strong design or content portfolio (mandatory);
   - Ability to create infographics and simplify complex energy topics into visual storytelling;
   - Basic videography, photography, and editing skills are a plus.
4. **Energy System, Gas & Derivatives Young Research Fellow**
   - Major in Engineering (including Chemical, Petroleum, Industrial, Electrical, or other relevant engineering disciplines), Science field/Scientific disciplines, or other related fields;
   - Basic understanding or strong interest in energy systems, including energy supply and demand, energy mix, and the interlinkages between oil & gas, power, and renewable energy;
   - Basic knowledge or strong interest in natural gas markets, LNG, gas pricing, energy derivatives, or regional gas trade;
   - Knowledge of energy system analysis, energy planning, energy policy, energy security and resilience, or regional energy market dynamics is preferred.
5. **Upstream Young Research Fellow**
   - Major in Chemical/Petroleum/Industrial Engineering, or related fields;
   - Understanding of upstream operations, reservoir concepts, or oilfield development is preferred;
   - Ability to review regulatory frameworks, technical case studies, and cost benchmarks.
6. **Bioenergy & New Renewable Energy (NRE) Young Research Fellow**
   - Major in Chemical/Petroleum/Industrial/Environmental Engineering or related fields;
   - Basic understanding or strong interest in new and renewable energy (solar, wind, geothermal, hydropower, bioenergy, hydrogen) and power systems;
   - Familiarity with decarbonization initiatives and the integration of renewables with oil & gas companies' business is a plus.
7. **Midstream & Downstream Young Research Fellow**
   - Major in Chemical/Petroleum/Industrial Engineering, Economics, Management, or related fields;
   - Basic understanding or strong interest in midstream and downstream oil & gas value chains (e.g., pipelines, storage, refining, petrochemicals, fuel distribution, and retail);
   - Knowledge of fuel markets, refinery operations, energy infrastructure, or fuel quality standards is preferred.

8. **Oil & Products Pricing Young Research Fellow**
   - Major in Informatics Engineering, Mathematics, Statistics, Information System or other related fields;
   - Strong interest in global oil markets, crude oil and petroleum product pricing, oil supply and demand dynamics, and energy industry developments;
   - Familiarity with data analytics tools Microsoft Excel is required; Python, R, Power BI, or other data visualization tools;
   - Basic knowledge of oil pricing benchmarks (Brent, WTI, Dubai/Oman), refined petroleum products (gasoline, diesel, jet fuel), refinery economics, and crack spreads;
   - Excellent analytical, writing, presentation, and communication skills.
9. **Energy Statistics Young Research Fellow**
   - Major in statistics, mathematics, or related fields;
   - Strong understanding of statistical methods, quantitative analysis, and data modelling;
   - Experience, conducted any project with model, especially in machine learning;
   - Familiarity with data analytics tools (Bloomberg, CEIC, Python, R, EViews, SPSS, Stata, or MATLAB) is a plus;
   - Excellent analytical, writing, presentation, and communication skills.
10. **Energy Economics Young Research Fellow**
   - Major in Economics with minor in macroeconomics, international economics, regional, energy or related fields;
   - Experience in economic research and policy analysis. Prefer in energy sector;
   - Excellent analytical, writing, presentation, and communication skills;
   - Strong interest in energy economics, geopolitics, and economic policy-making;
   - Strong in economics modelling, likely Input-Output, CGE, GTAP, and econometrics is a plus.

Registration Procedure

Applicants must complete the ASPIRE online application form and prepare required documents in PDF format, including:

- Curriculum Vitae (CV);
- Latest academic transcript;
- Portfolio (mandatory for Media Communications Young Fellow).

Applications must be submitted via *ptm.id/SubmitASPIRE* no later than **18 November 2026.**

Only complete applications will be processed. Shortlisted candidates will be invited for an online interview.

Enrollment Procedure

Candidates selected for the final stage will be notified and required to prepare and submit the following documents in PDF format:

- Proof of active student status letter from your university;
- Application letter for an internship/research placement from your university to PT Pertamina (Persero);
- Internship/research proposal;
- Scan of student ID card;
- Scan of health insurance card (BPJS or private insurance).

Details about these documents will be provided only to candidates selected for the final stage.

Contact

For further inquiries, please contact: asic@pertamina.com or Mr. Hafizh through WhatsApp at (+62 811-8126-8526).