



Indonesia: Developments in Traditional Data Collection Methodologies

Paris, 21 November 2019



**Ministry of Energy and Mineral Resources
Republic of Indonesia**

New Regulation on Data

“President Decree Number 39 / 2019 --- Indonesia One Data ---”

Data Governance : accurate, current, integrated, accountable, easily to access and shared

**Objective to Realizing integrated planning,
implementation, evaluation and control of development**

- Data Standard
- Source/Producing Data (Structure Organization, Forum Data)
- Organizing One Data



SALINAN

PERATURAN PRESIDEN REPUBLIK INDONESIA
NOMOR 39 TAHUN 2019
TENTANG
SATU DATA INDONESIA

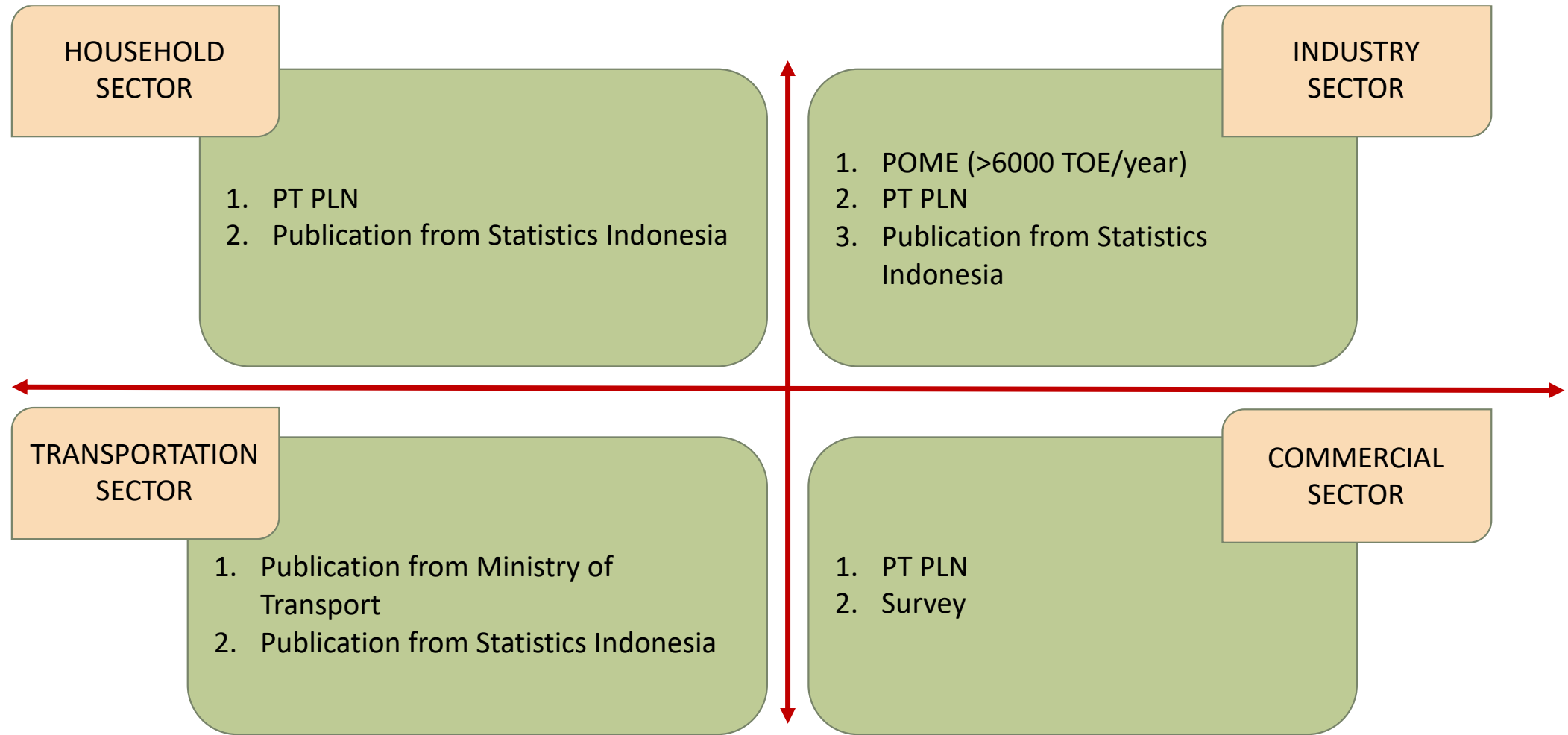
DENGAN RAHMAT TUHAN YANG MAHA ESA

PRESIDEN REPUBLIK INDONESIA,

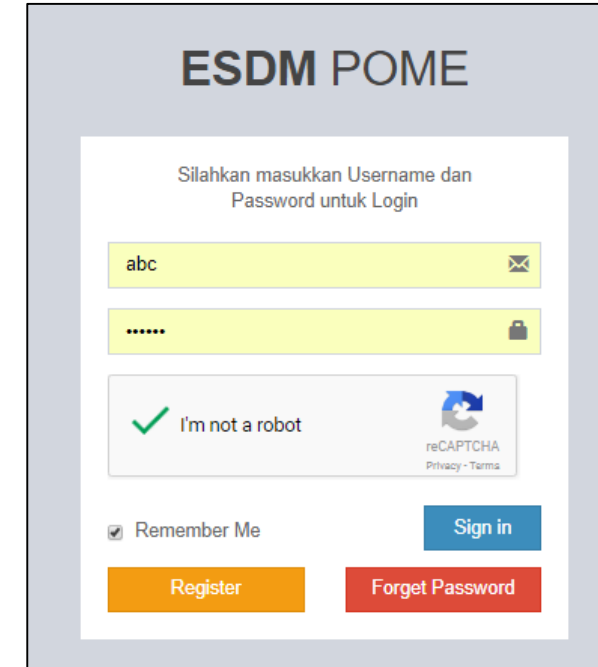
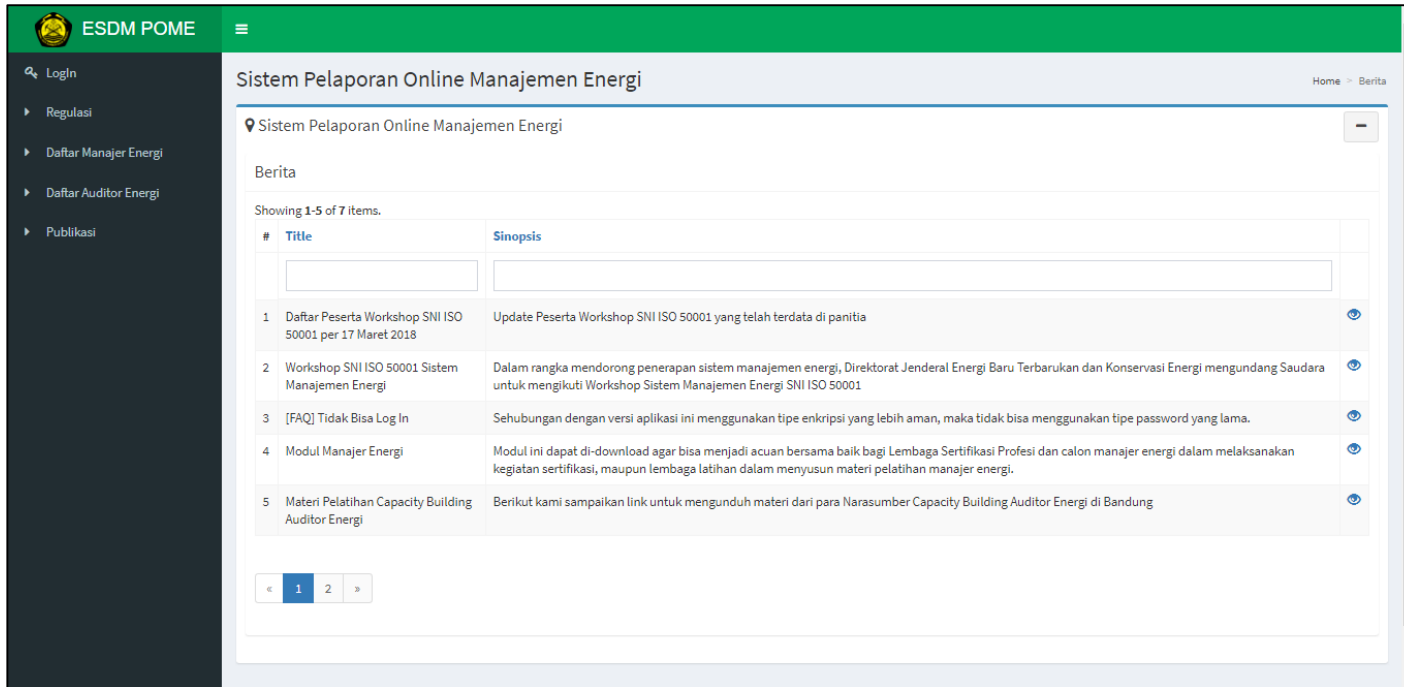
- Menimbang :
- a. bahwa untuk mewujudkan keterpaduan perencanaan, pelaksanaan, evaluasi, dan pengendalian pembangunan, perlu didukung dengan Data yang akurat, mutakhir, terpadu, dapat dipertanggungjawabkan, mudah diakses, dan dibagipakaikan, serta dikelola secara seksama, terintegrasi, dan berkelanjutan;
 - b. bahwa untuk memperoleh Data yang akurat, mutakhir, terpadu, dapat dipertanggungjawabkan, mudah diakses, dan dibagipakaikan, diperlukan perbaikan tata kelola Data yang dihasilkan oleh pemerintah melalui penyelenggaraan Satu Data Indonesia;
 - c. bahwa selama ini belum ada ketentuan yang mengatur mengenai Satu Data Indonesia;
 - d. bahwa berdasarkan pertimbangan sebagaimana dimaksud dalam huruf a, huruf b, dan huruf c perlu menetapkan Peraturan Presiden tentang Satu Data Indonesia;



Sources Data Collection for End-User



Improvement - Energy Management Reporting Online



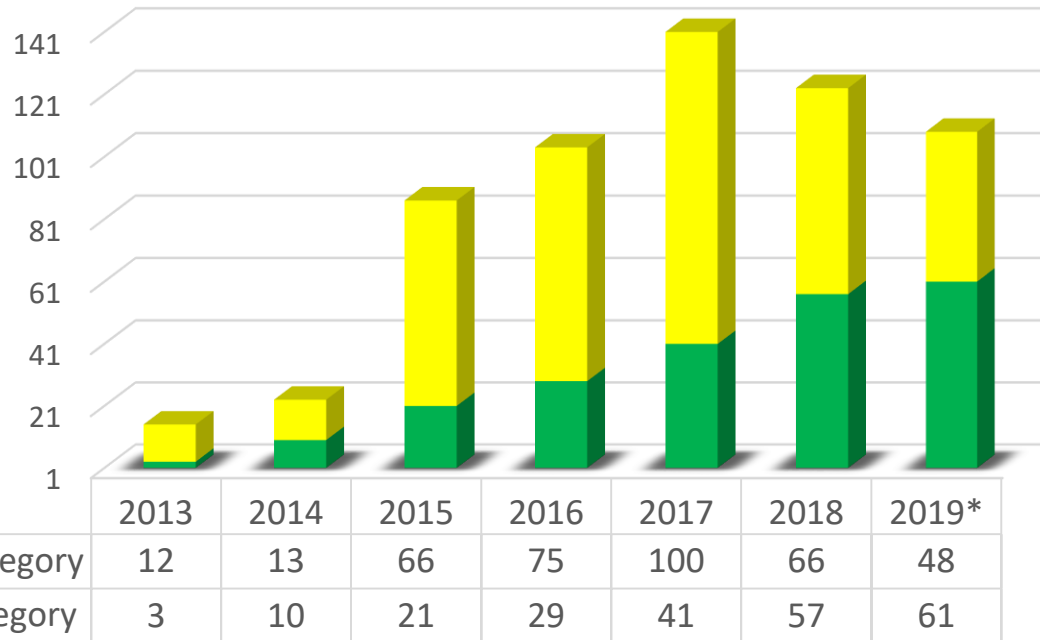
Website : <http://pome.ebtke.esdm.go.id>
Tutotion : <https://tinyurl.com/panduanpome>
Consult : pengawasan.ke@esdm.go.id



Ministry of Energy and Mineral Resources

Trend of Energy Management Report

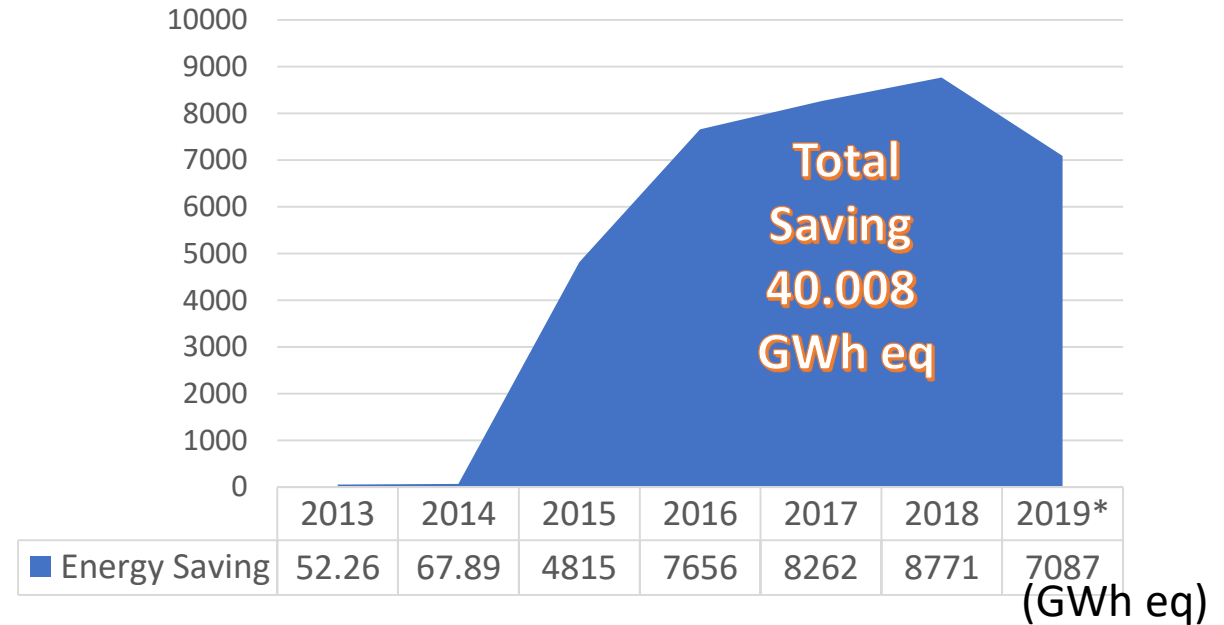
- i. Green Category: The company has implemented **all the points** in article 12 Government Regulation 70/2019
- ii. Yellow Category: The company has implemented **partial points** in article 12 Government Regulation 70/2019



* s.d Semester 1 2019

Energi Saving
7.087 GWh

Emission Reduction
1.267.226
Ton CO₂ eq



Equal with build
power plant
881 MW eq**

**operational power plant :
8040 hour per year



Cost energi saving
equal
Rp **113** per kWh



Remaining Challenges Data Collection

- Increasing compliance of Industry to reporting energy consumption through online system
- Limited Survey Budget
- Differences data between institutions



Dealing with Challenge of Energy Management Reporting Online

1. **Send a Letter**
2. **Invite** to the Forum Group Discussion
3. **Visit**
4. Make a **training for filling** energy management reporting online
5. **Give a certificate** (certificate can **used as a proper** at Ministry of Environment and Forestry)
6. **On going** in cooperation with IEA to make more friendly of energy management reporting online – (Development of POME)
7. **Incentives and Disincentives** (according MEMR Regulation No 14 / 2012)



Professional Certification Body of Energy Auditors and Energy Managers

LSP HAKE
(Himpunan Ahli Konservasi Energi)
Jl. Wibawa Mukti No 1 Jatiasih – Bekasi
021-220161114



LSP ENERGI
Komplek Grand Galaxy Park
Blok RSK 6 No. 10 Bekasi
021-22103604



LSP- BPSDM KESDM
(Badan Pengembangan Sumber Daya Manusia KESDM)
Jl. Gatot Subroto Kav. 49 Jakarta Selatan
021-5254508



LSP Persemanan Indonesia
Graha Irama Lantai 11,
Jl HR. Rasuna Said, Blok X-1 Kavling 1-2, Kuningan,
RT.6/RW.4, Kuningan Tim., Kota Jakarta Selatan,



Energy Manager and Energi Auditor

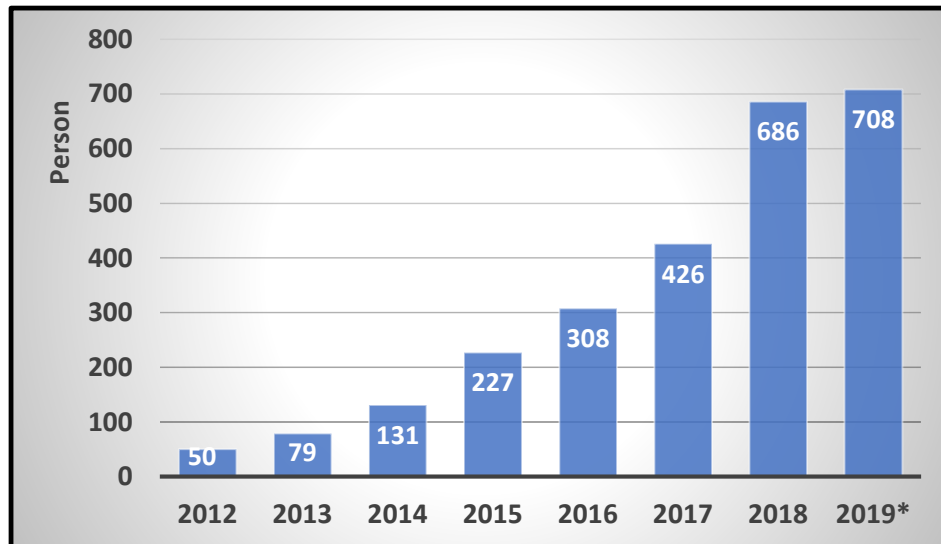
Energy Manager



A person who is given the task and responsibility to coordinate the implementation of energy management in industry and buildings



Certificate:
Labor Ministerial Regulation No. 80/2015 regarding Establishment of SKKNI as an energy manager in industrial and building



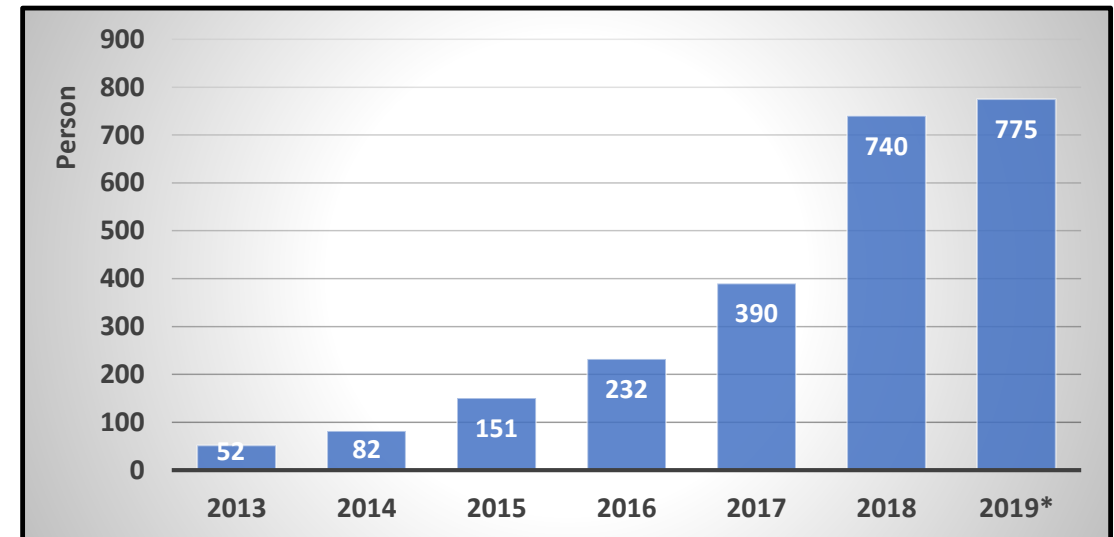
Energi Auditor



A person who has qualifications according to the competency standard to conduct an energy audit

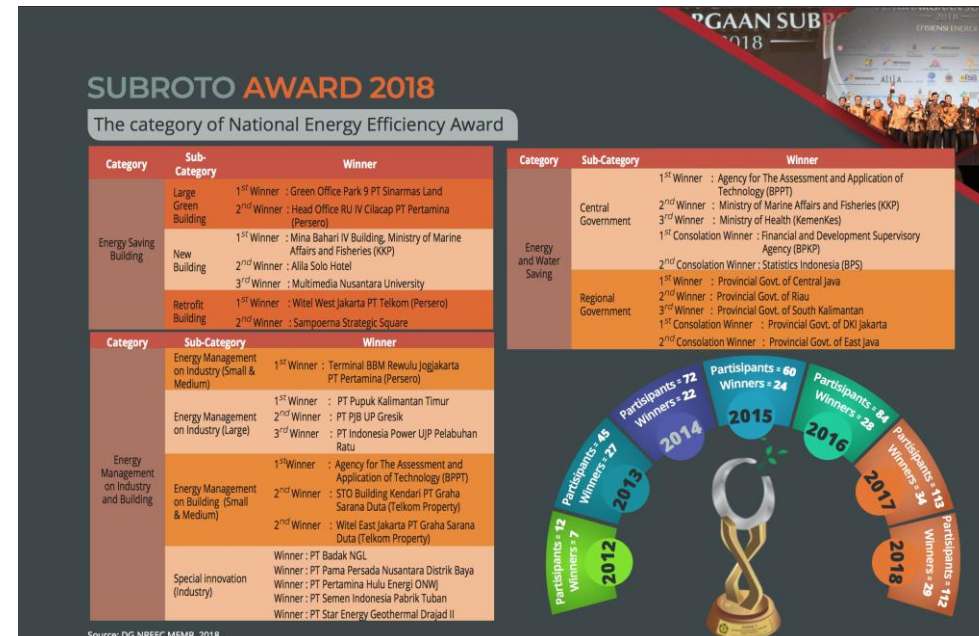


Certificate
Decree of the Minister of Manpower Number 53 of 2018 concerning the Establishment of the SKKNI Category of Proportional, Scientific and Technical Activities in the Field of Energy Audit



Best Practices End-use sectors and Sub-sector

- **Give a certificate** (certificate can be used as a **proper** at Ministry of Environment and Forestry)
- **National Energy Efficiency Award – Conduct Subroto Award**



Success Stories of Implementing Energy Management

PT. Pupuk Kalimantan Timur Receive Award of Excellence in Energy Management 2019

The Clean Energy Ministerial (CEM), a high-level international forum for promoting clean energy, is pleased to present its 2019 Energy Management Leadership Awards in Vancouver, Canada



Case Study Snapshot	
Industry	Petrochemical
Product/Service	Ammonia, Urea, and Utility
Location	PKT-3 Plant and PKT-1A Plant
Energy management system	ISO 50001
Energy performance improvement period	2.5 years (PKT-3) 1 year (PKT-1A)
Energy Performance Improvement (%) over improvement period	5.45% for PKT-3 0.65% for PKT-1A or 3.76% (aggregate)
Total energy cost savings over improvement period	USD 3,696,325 for PKT-3 USD 225,529 for PKT-1A Total: USD 3,921,855
Cost to implement EnMS	USD 91,830
Total Energy Savings over improvement period	813,180 GJ for PKT-3 53,082 GJ for PKT-1A Total: 866,262 GJ
Total CO ₂ -e emission reduction over improvement period	40,896 metric tons for PKT-3 2,670 metric tons for PKT-1A Total: 43,565 metric tons



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Kementerian Energi dan
Sumber Daya Mineral

People Jaman Now
Follow, Kuy!

THANK YOU

MINISTRY OF ENERGY AND
MINERAL RESOURCES

