



fisuel

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Novotel Barcelona Cornella

Barcelona, Spain

Aliansi Lembaga Perlindungan Listrik Nasional

ALPERKLINAS

BY :

KRT. TOHOM PURBA

PRESIDENT ALPERKLINAS

ABOUT US



A. Alperklinas is an alliance of several Independent Consumer Protection Organizations (LPKSM) focused on overseeing consumer protection in the electricity sector across Indonesia.

This alliance was established on July 29, 2015, and consists of 5 LPKSM specializing in electricity, namely:

1. PLN WATCH (Perusahaan Listrik Negara Watch – Pemerhati PLN)
2. LKKI (Lembaga Konsumen Ketenagalistrikan Indonesia)
3. KOPEKLIN (Komunitas Peduli Ketenagalistrikan Indonesia)
4. LPKKI (Lembaga Perlindungan Konsumen Ketenagalistrikan Indonesia)
5. MKLI (Monitoring Konsumen Listrik Indonesia)

B. Member Alperklinas

ALPERKLINAS is an alliance consisting of 5 Independent Consumer Protection Organizations (LPKSM) concerned with the protection of electricity consumers. The main focus of this alliance is to monitor regulations, policies, material standards, and electrical construction from the perspective of the public in Indonesia.

ABOUT US

C. Functions of ALPERKLINAS:

A. Advocating for electricity consumers facing legal issues.

B. Providing education to consumers about electrical hazards, usage, as well as consumer rights and responsibilities.

C. Mediating between consumers, electricity providers, and other parties involved in disputes.

D. The Central Management of ALPERKLINAS is:

- President : KRT. Tohom Purba
- Vice President : Tenno Purba
- General Secretary : Wesly Sitohang
- Vice Secretary : Elvita Sjofjan
- Other Contact : Andri Frestana Simorangkir

F. Consumer Services and Publications:

ALPERKLINAS educates the public about electrical safety, consumer rights and responsibilities, and ways to avoid electrical hazards through seminars, workshops, investigations, and Complaint Posts. ALPERKLINAS also collaborates with media, including TV, print, electronic, and particularly the Wahana News.co Group.

D. ALPERKLINAS has been established in several provinces in Indonesia, including:

1. Provinsi Jakarta
2. Provinsi Sumatera Utara
3. Provinsi Aceh
4. Provinsi Riau
5. Provinsi Kepulauan Riau
6. Provinsi Jambi
7. Provinsi Kalimantan Utara
8. Provinsi Sulawesi Selatan

The management in each province will carry out its functions according to the organization's regulations and report the results of its work to the central office.

E. ALPERKLINAS is affiliated with 3 international organizations

1. FISUEL - Affiliasi Member
2. Asean Consumers Alliance - Anggota
3. Consumers International - Administrative Process



Electricity Statistics Indonesia Year 2023



A. Supporting Electricity Sector Businesses

1. Electricity Providers:

- PLN (Government)
- Private Sector
- Individuals (Solar Cells / Generators)

2. Business Certification Institutions (12 Companies)

3. Competency Certification Institutions (10 Companies)

4. Low Voltage Inspection Institutions (17 Companies)

5. Medium Voltage Inspection Institutions (12 Companies)

6. High Voltage Inspection Institutions (5 Companies)

7. Generation Inspection Institutions (7 Companies)

Electricity Statistics Indonesia Year 2023



B. Power Generation

- Total installed capacity nationwide, including rental and IPP Year 2023 = 72,926 MW
- Peak load = 58,282.48 MW
Increased by 39.43% from last year

C. Transmission and Distribution



1. The total length of transmission in 2023 reaches 87,691.48 km, an increase of 39.43% from 2022.

Consists of:

- 500 kV network measuring 7,194.43 km
- 275 kV measuring 4,572.67 km
- 150 kV measuring 69,075.92 km
- 70 kV measuring 6,747.14 km
- 25 & 30 kV measuring 101.33 km

2. The total length of the distribution network is 1,048,183.16 km.

Consists of JTM measuring 438,900.17 km and JTR measuring 609,282.99 km.

D. Transformer Capacity



1. The installed capacity of substation transformers is 180,164.65 MVA, an increase of 11.65% from the previous year.
2. The number of substations is 2,712 units, consisting of 90 units of 500 kV system transformers, 49 units of 275 kV system transformers, 2,264 units of 150 kV system transformers, 307 units of 70 kV system transformers, and 2 units of <30 kV system transformers.
3. The installed capacity of distribution transformers is 66,716.23 MVA, representing an increase of 1.95% from the previous year.
4. The number of distribution transformers is 558,994 units, reflecting an increase of 1.48% from the previous year.

E. Sold Energy

1. The total sold electricity in 2023 amounted to 288,435.78 GWh.

Consisting of:

- A. Industrial consumers consumed 88,587.68 GWh (30.71%)
- B. Household consumers 122,339.69 GWh (42.41%)
- C. Business consumers 57,112.00 GWh (19.80%)
- D. Social, government buildings, and public street lighting 20,396.41 GWh (7.07%).

F. Total Electricity Consumers in 2023

The total number of customers at the end of 2023 is 89,153,278 customers, an increase of 4.11% from the end of 2022.



G. Electricity Selling Price

The average selling price of electricity per kWh based on AP2T data for 2023 is Rp1,155.47/kWh, higher than the previous year's price of Rp1,137.26/kWh.



H. Electrification Ratio

With the growth in the number of household customers from 78,328,012 customers at the end of 2022 to 81,556,202 customers at the end of 2023, the electrification ratio reaches 98.33%.

I. Energy Losses

During 2023, energy loss was recorded at 8.57%, comprising 2.01% loss during transmission and 6.71% loss during distribution. This represents an improvement over the energy loss in 2022, which stood at 8.72% (a negative polarization).

J. Total Employees of PLN

The total number of employees at PLN at the end of December 2023 is 51,245. Employee productivity in 2023 reached 5,628.56 MWh/employee and 1,740 customers/employee.



K. Average Increase in the Number of Consumers

The average increase in the number of PLN consumers/customers rises by 4-5% each year.

L. Flow of Electrical Installation Inspection

1. Prospective consumers submit a request for electrical installation to the contractor.
2. After the contractor completes the installation, they will request an inspection of the installation from the Technical Inspection Agency.

L. Flow of Electrical Installation Inspection



3. If the installation is deemed compliant, the Technical Inspection Agency will issue a Certificate of Feasibility that is valid for 5 years; if it is not compliant, a re-inspection will be required.
4. The Technical Inspection Agency will submit the Certificate of Feasibility to PLN for the electrical connection to the consumer.

M. Tasks of ALPERKLINAS

ALPERKLINAS will oversee the implementation of all these processes. If any issues arise, they will be reported to the Government and discussed with PLN.

In an effort to enhance the safety of electricity users, the Government of Indonesia, in collaboration with the Ministry of Energy and Mineral Resources (ESDM) and PT PLN (Persero), has implemented a series of comprehensive steps and strategies. Through education and outreach programs, the community is provided with important knowledge to use electricity safely. By adhering to strict regulations and safety standards, as well as applying modern protection technologies, this organization is committed to preventing incidents that could be hazardous.

Rapid response to incidents, preventive maintenance, and the implementation of clear warning signs are integral parts of this effort. Additionally, collaboration with various stakeholders further enhances awareness of electrical safety within the community. Through all these measures, the organization not only focuses on energy provision but also ensures that electricity users can enjoy services safely and comfortably.

Safety is a shared responsibility. With ALPERKLINAS's strong commitment to supporting the Indonesian government's programs and the electricity sector's efforts to educate and advocate for the community, it is hoped that a safer environment for electricity use in Indonesia can be created.

Terima Kasih

DISUSUN OLEH: ALPERKLINAS