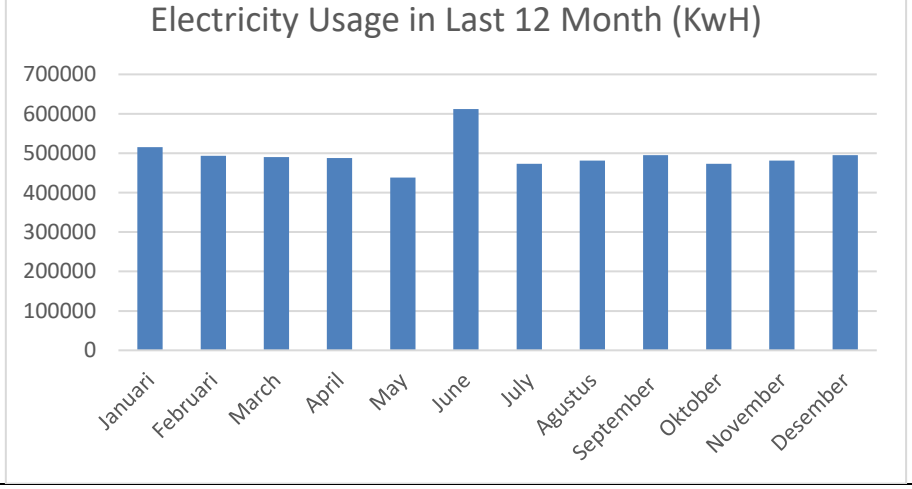
Electricity Usage per Year (in kilo Watt hour)



Electricity Usage (kWh) 2024

Description:

Based on the electricity usage records from January to December 2024, Universitas Pendidikan Indonesia (UPI) consumed a total of **5,936,953 kWh** of electricity across all campuses.
The monthly electricity consumption ranged between **437,912 kWh (May)** and **611,899 kWh (June)**, with an average monthly usage of approximately **494,746 kWh**. This fluctuation reflects variations in academic and operational activities throughout the year, such as increased campus utilization during mid-year semesters and reduced consumption during breaks.
The overall electricity consumption pattern remained relatively stable during 2024, with only minor deviations from month to month. This stability indicates the effectiveness of energy management measures implemented by the university, including the use of **LED lighting systems**, **inverter-type air conditioners**, and **smart building features** (as described in EC 2.2 and EC 2.3).
In addition, energy-efficient equipment and periodic awareness campaigns for staff and students contributed to maintaining consistent electricity use despite the gradual increase in laboratory and classroom technology installations.
The university continues to explore opportunities to reduce energy intensity by monitoring consumption per building and expanding renewable energy pilot projects in the coming years.
Total Electricity Consumption (2024): 5,936,953 kWh
Average Monthly Consumption: 494,746 kWh
Source: PLN electricity bills, Directorate of Facilities and Infrastructure, UPI (2024)
Evidence: Electricity usage table and monthly PLN invoices (Jan–Dec 2024)

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file)-

Energy = 5.936.953 x 0,0036 = **21.373,0308 GJ**