

## ENERGY MANAGEMENT UNIT (UPT PRASARANA-UKM)

Energy Management Unit of UKM's Infrastructure Development Department (PRASARANA-UKM) is responsible for managing energy and utility usage in UKM including auditing, analyzing, reporting and recording energy and utility usage and monitoring the effectiveness of energy and utility management measures.

### Organizational Chart Of UKM Energy Management Unit

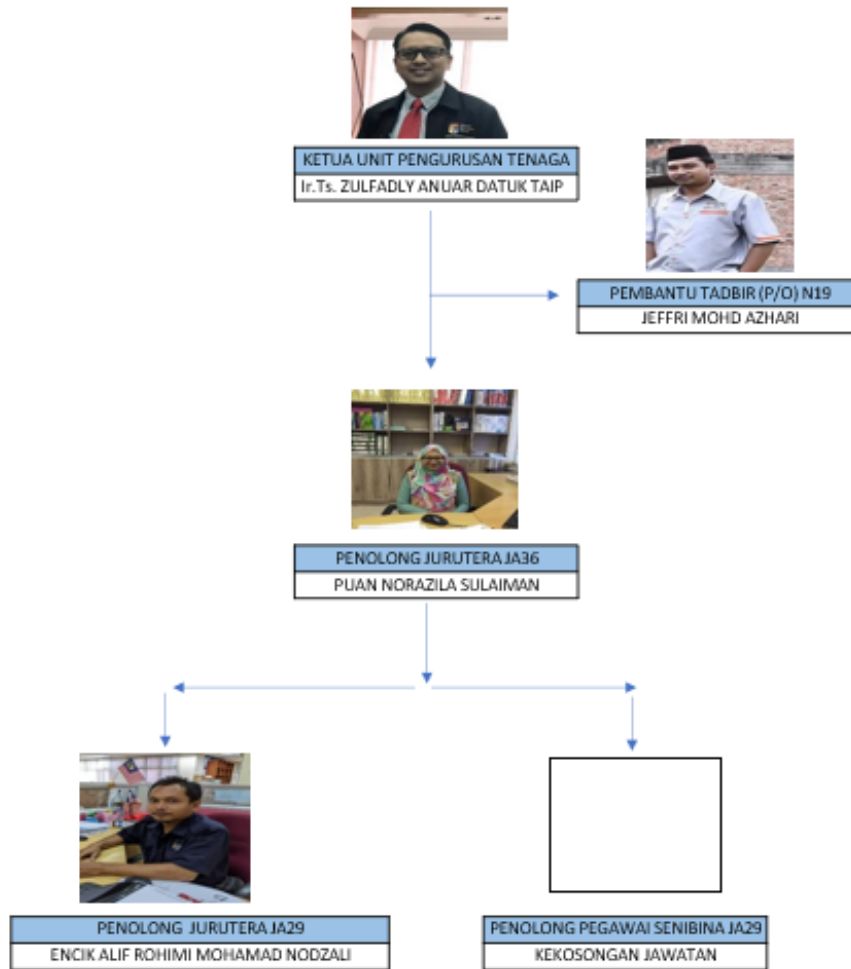


Figure 1: Organizational Chart of UPT PRASARANA-UKM

## **Roles and Responsibilities of UKM Energy Management Unit**

1. Auditing, analyzing, reporting, record-keeping regarding the total electricity consumption meets the requirements of Efficient Management of Electrical Energy Regulations (EMEER) 20118 (P.u(a)444).
2. Reports to the Energy Commission as required by the 2008 EMEER law (KWH electricity consumption for six consecutive months)
3. Advising users in developing and implementing measures to ensure efficient energy and utility management (expert services)
4. Monitor the contractor's performance for works related to energy & utility management in order to follow the procedures, regulations and time set such as the installation of Digital power Meter (Sub-metering) & CT Metering and others related.
5. Monitor the effectiveness of the implementation of energy & utility management measures efficiently
6. Analysing electricity consumption and obtain a baseline@ Building Energy Index (BEI) for the Bangi Campus as well as each PTj building selected to compare with the existing Standard Index based on the area of space (m<sup>2</sup>) or the total number of residents according to PTj.
7. Checking parameter readings from energy & utility measurement equipment such as loggers, thermal imagers, clamp meters and others to prepare analysis reports using related software at locations/fields determined by Prasarana-UKM.
8. Collect, analyze, make reports and keep records of monthly energy & utility usage (electricity, water and telephone) for UKM Bangi Main Campus and external branches and PTj buildings.
9. Present periodic reports to UKM's Top Management & UKM's Energy Efficiency Taskforce Committee.

## ENERGY MANAGER OF UKM – ASSOCIATE PROF. TS. DR. AFIDA AYOB

UKM appoints Assoc. Prof. Ts. Dr. Afida Ayob as Registered Electrical Energy Manager that manages electrical energy usage for Efficient Management of Electrical Energy Regulations (EMEER)-designated installation and has knowledge of the Acts and Regulations that govern UKM.

Associate Prof. Ts. Dr. Afida Ayob is the energy manager for UKM. UKM has appointed Associate Prof Ts. Dr. Afida Ayob as a Registered Electrical Energy Manager (REEM) / Energy Manager to comply with the requirements of the Energy Commission, Malaysia. With this appointment, it clearly shows that UKM has moved towards a more serious level in maintaining sustainability and compliance with energy management and saving.



Figure 2: Associate Prof. Ts. Dr. Afida Ayob who certified as the UKM Energy Manager

### Functions and duties

- Audit and analyze the total electrical energy consumption or total net electrical energy generation at the installation including the significant end use of electricity.
- Advise the private installation licensee or consumer in developing and implementing measures to ensure efficient management of electrical energy at the installation; and
- Monitor effective implementation of the measures.
- Supervise the keeping of records on efficient management of electrical energy at the installation and verify its accuracy; and
- Ensure that the private installation licensee or consumer submits the information and report within the periods as specified in the regulations (Refer Regulations 16)