EVALUASI UNJUK KERJA LAMPU HEMAT ENERGI

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ABSTRACT

The crisis energy that in Indonesia cause PLN imply to society to use energy saving lamp with a purpose to so that system doesn't black out

The research aimed detects consumption energy and light intensity of energy saving lamp that produced with voltage input regulation. The research has been tested both in consumption energy and light intensity.

The result of the test shows that Philips of energy saving lamp highest the consumption energy that is 0,418 kwh (every watt have energy consumption 0,009087 kwh), Shinyoku of energy saving lamp is 0,308 kwh / watt (every watt have energy consumption 0,0077 kwh) and Success of energy saving lamp is 0,261 kwh / watt (every watt have energy consumption 0,006525 kwh) with voltage input 250 volt. The highest light intensity energy saving lamps of Philips that is 1460 lux (around 31,74 lux / watt), energy saving lamps of Shinyoku is 1085 lux (around 27,13 lux / watt) and energy saving lamps of Success is 345 lux (around 8,63 lux / watt) with voltage input 250 volt