Universitas Indonesia Library >> Artikel Jurnal

Solar air-conditioning system at the university of Indonesia

Hajime Yabase, author

Deskripsi Lengkap: https://lib.ui.ac.id/detail?id=9999920530318&lokasi=lokal

---

Abstrak

Indonesia’s economic growth has continued at a steady rate of approximately 5% to 6% annually, and energy consumption in the entire country has been increasing year by year. Demand for air conditioning in buildings is expanding. In line with this expansion, a 239 kW solar air-conditioning system using a single-double effect combined absorption chiller was installed in a building at the University of Indonesia’s Faculty of Engineering located in Depok city, near Jakarta, with the aim of reducing greenhouse gas emissions. We collected and analyzed data from this air-conditioning system to better comprehend its performance. We report the outline and the performance of the chiller and the air-conditioning system.