





THE Impact Rankings Questionnaire

University : Universitas Indonesia
 Country : Indonesia
 Web Address : ui.ac.id

[7] SDG7: Affordable and Clean Energy
 [7.4] Energy and the Community
 [7.4.2] 100% renewable energy pledge

Promote a pledge toward 100% renewable energi beyond the univesity

	
<p>I-CELL Faculty of Engineering (FT)</p>	<p>I-CELL Faculty of Engineering (FT)</p>
	
<p>Solar Power Plant On Grid of Library Building</p>	<p>Solar Power Plant of Engineering Center Faculty of Engineering</p>



**Solar Power Plant
UI Mosque**



**Solar Power Plant of Engineering Park
Faculty of Engineering**



**Solar Power Plant of X Building
Faculty of Humanities**



**Solar Power Plant of Floating Building
next to Mahoni Lake**



**Solar Power Plant of Prayer Room
Faculty of Engineering**



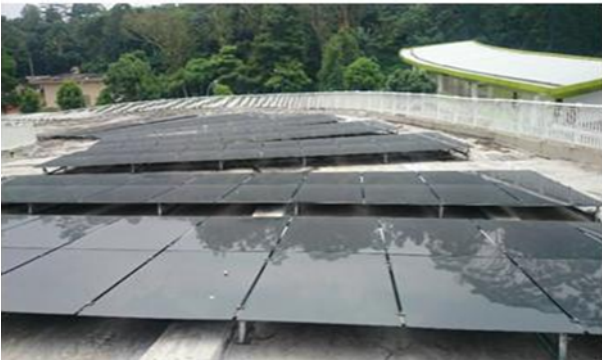
**Solar Power Plant of Utility Building
Faculty of Medicine**



**Solar Power Plant
Faculty of Social and Political Sciences**



**Solar Power Plant of Prayer Room
Faculty of Humanities**



**Solar Power Plant
IFC Building**



**Solar Power Plant of Second Building
Faculty of Computer Science**



**Solar Power Plant of Parking Area
Faculty of Public Health**



**Solar Power Plant
Faculty of Nursing**

	
<p>Solar Cell Faculty of Law</p>	<p>Solar Cell Faculty of Psychology</p>
	
<p>Public Street Lightning using Solar Cell Administrative Center</p>	<p>Garden Lamp using Solar Cell Faculty of Social and Political Sciences</p>
	
<p>Garden Lamp using Solar Cell Faculty of Pharmacy</p>	<p>Garden Lamp using Solar Cell Faculty of Medicine</p>



Garden Lamp using Solar Cell
Faculty of Engineering



Garden Lamp using Solar Cell




PROGRAM EBT UNIVERSITAS
Gedung Perpustakaan Kampus Depok
Kapasitas: 500 KWhp
Sistem: Rooftop On Grid
Mulai Beroperasi: Mei 2019
Website: www.univ-indonesia.ac.id/infocenter/infocenter.html

Rencana Baru:
Kapasitas: 2 MWp
Sistem: Rooftop On Grid/Rooftop
Load and Storage
Gedung LIRC: 100 KWhp
Fasilitas Baru: 100 KWhp
RM: 400 KWhp
Gedung Prakerja: 400 KWhp
FAP: 80 KWhp
PAB: 20 KWhp
FIS: 100 KWhp
Gedung Prakerja Sektora: 300 KWhp
Voksel: 200 KWhp
Dewan: 100 KWhp (Pondok)

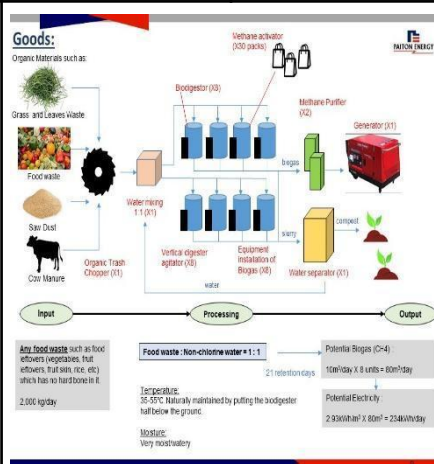
Planning of Solar Cell
Faculty of Dentistry

No	Uraian	Instansi	Jahr	Unit	Volume	Estimasi	Realisasi
16	KSL - Helm Pekerja	Operasional	April	4	1	800.000	3.200.000
17	KSL - Kacamata Kerja	Operasional	April	1	1	1.000.000	1.500.000
18	KSL - Bidaai Kayu + Tas	Operasional	April	3	1	240.000	720.000
19	KSL - P3H Refill	Operasional	April	3	1	650.000	1.950.000
20	KSL - Tas P3H Selengkap	Operasional	April	1	1	800.000	800.000
21	KSL - Okigan Medical Full Set + Tasnya	Investasi	Juli	1	1	1.500.000	2.500.000
22	KSL - Kain Sengaja	Operasional	April	20	1	50.000	500.000
23	KSL - Baju Karet	Operasional	April	6	1	150.000	900.000
24	KSL - Sepatu Karet	Operasional	April	1	1	1.000.000	1.000.000
25	KSL - Sarung KSL Fik	Operasional	April	6	1	800.000	4.800.000
26	Charakteristik Solar Rooftop 5,2 Kw On Grid dan Monitoring	Investasi	okt	1	1	90.000.000	90.000.000
27	Lampu Motion Sensor	Operasional	Juli	200	1	80.000	16.000.000
						TOTAL KESELURUHAN ANGGARAN	179.240.000

Planning of Solar Power Plant



CLEAN BIOMASS
Faculty of Engineering



CLEAN BIOMASS
Faculty of Mathematics and Natural Sciences



MICROHYDRO
Faculty of Engineering




		
<p align="center">Wind Turbine Faculty of Engineering</p>	<p align="center">Planning of Wind Turbine Student Activity Center (Pusgiwa)</p>	

TABLE OF RENEWABLE ENERGY AT UNIVERSITAS INDONESIA

No	Type of Renewable Energy	Power		Produced/Years	
1	Solar Cell	495.4	Kw h	904,105	Kwh
2	Clean Biomass	5	Kw h	43,800	Kwh
3	Wind Turbine	4.3	Kw h	37,668	Kwh
4	Biogas	2.9	Kw h	85,410	Kwh
5	Micro Hydro Power	1.2	Kw h	6	Kwh
TOTAL		507.6	Kw h	1,070,983	Kwh

NO	UNIT	Renewable Energy									
		Solar Cell		Clean Biomass		Wind Turbine		Biogas		Micro Hydro Power	
1	Faculty of Medicine (FK)	6.0	Kw p	-	kWh	-	kW h	-	kW h	-	kWh
2	Faculty of Dentistry (FKG)	-	Kw p	-	kWh	-	kW h	-	kW h	-	kWh
3	Faculty of Mathematic and Natural Sciences (FMIPA)	5.0	Kw p	-	kWh	-	kW h	2.9	kW h	-	kWh
4	Faculty of Engineering (FT)	173.5	Kw p	5.0	kWh	0.3	kW h	-	kW h	1.2	kWh
5	Faculty of Law (FH)	3.6	Kw p	-	kWh	-	kW h	-	kW h	-	kWh
6	Faculty of Economics and Business (FEB)	10.0	Kw p	-	kWh	-	kW h	-	kW h	-	kWh
7	Faculty of Humanities (FIB)	10.0	Kw p	-	kWh	-	kW h	-	kW h	-	kWh
8	Faculty of Psychology (FPSI)	10.3	Kw p	-	kWh	-	kW h	-	kW h	-	kWh
9	Faculty of Social and Political Sciences (FISIP)	10.3	Kw p	-	kWh	-	kW h	-	kW h	-	kWh
10	Faculty of Public Health (FKM)	30.0	Kw p	-	kWh	-	kW h	-	kW h	-	kWh
11	Faculty of Computer Science (FASILKOM)	5.0	Kw p	-	kWh	-	kW h	-	kW h	-	kWh
12	Faculty of Nursing (FIK)	9.6	Kw p	-	kWh	-	kW h	-	kW h	-	kWh
13	School of Environmental Studies - School for Global and Strategic Studies (SIL - SKSG)	5.3	Kw p	-	kWh	-	kW h	-	kW h	-	kWh
14	Vocational Program	20.5	Kw p	-	kWh	-	kW h	-	kW h	-	kWh
15	Faculty of Pharmacy	2.0	Kw p	-	kWh	-	kW h	-	kW h	-	kWh
16	Health Sciences Cluster (RIK)	-	Kw p	-	kWh	-	kW h	-	kW h	-	kWh
17	Faculty of Administrative Science (FIA)	7.3	Kw p	-	kWh	-	kW h	-	kW h	-	kWh
18	Administrative Center (PAU)	187.0	Kw p	-	kWh	4.0	kW h	-	kW h	-	kWh
TOTAL		495.4	Kw p	5.0	kWh	4.3	kW h	2.9	kW h	1.2	kWh

Description:

Universitas Indonesia has promoted the use of 100% renewable energy in the community . For example Community empowerment in the Biogas Development from Organic and Livestock Waste Sector, The

utilization of Archimedes type of Pycohydro Turbine for electrification in Batu Roto Village, The biogas from animal waste power plant construction program for the development of Independet Farm Energy. In campus UI asks faculties to have installation of Solar Power Plant is as an alternative backup source of energy, reducing electricity cost from State Electricity Enterprise, and using as research material of UI academics. Energy sources produced by Solar Power Plant will be used for various purposes such as cell phone charging, laptop etc.

Universitas Indonesia currently has new and renewable energy sources whose locations of installation are spread and varied across all work units. UI is quite concerned with new and renewable energy. Currently,

UI has implemented a policy that each work unit have to use renewable energy of 5 Kwp and add a minimum of 5 kwp every year as well as add other renewable energy sources. This program has started this year and included in the performance contract of the related Dean or Director.

No	Program Title	Evidence Link
1.	A Cultural Innovation from a village that does not have the potential to be a subject of tourism, which then become a potential tourism village in Sijuk Village, Sijuk District, Belitung Regency	https://www.airmagz.com/39605/sijuk-heritage-belitung-jadi-model-pengembangan-desa-wisata-multikultural.html
2.	The application of Digital-Based Technology to the Royal Chariot Collection of Mangkunegaran Museum	https://www.antaranews.com/berita/1163191/ui-kembangkan-digitalisasi-museum-puro-mangkunegaran-surakarta
3.	Community empowerment in the Biogas Development from Organic and Livestock Waste Sector	https://scholar.ui.ac.id/en/activities/pemberdayaan-masyarakat-di-bidang-lingkungan-pengembangan-biogas-
4.	The application of garment factory waste utilization technology that supports Situ Pedongkelan Tourism, Depok City	https://scholar.ui.ac.id/en/activities/aplikasi-teknologi-pemanfaatan-limbah-pabrik-garmen-menunjang-wis
5.	The development of Minatransporter in the living fish transportation system as an effort to overcome fish distribution problems in Sumur District, Banten, to Support the Development of Minapolitan Areas	https://edukasi.kompas.com/read/2019/08/06/21453771/jaga-kesegaran-ikan-tim-pengmas-fmipa-ui-kembangkan-minatransporter?page=all
6.	The utilization of Geographical Information System (SIG) and PJ Technology with participatory methods for the Detailed Thematic Maps compilation in Kalibaru Village, Cilincing District, North Jakarta	https://radardepok.com/2019/11/fmipa-ui-bersama-petugas-dasawisma-kelurahan-kalibaru-lakukan-pemetaan-partisipatif-dengan-memanfaatkan-teknologi-sig/
7.	The application of Geographical Information System (SIG) Technology for monitoring natural disaster in Cisolok Village, Cisolok District, Sukabumi Regency, West Java	https://radarsukabumi.com/berita-utama/ui-kenalkan-atsig-di-cisolok/

8.	The implementation of the EWAS V2.0 Earthquake Detector Tool in Sembalun Bumbung Village, Sembalun District, East Lombok Regency, West Nusa Tenggara Province	https://www.pikiran-rakyat.com/teknologi/pr-01318440/ahli-geofisika-universita-sindonesia-ciptakan-alat-pendeteksi-geempa
9.	The development of Ecotourism and Micro, Small, Middle Business (UMKM) that is based on New and Renewable Energy Technology to improve the welfare of the residents of Bungin Fisherman Village, Bekasi	https://scholar.ui.ac.id/en/activities/pengembangan-ekowisata-dan-umkm-berbasis-teknologi-energi-baru-te
10.	The introduction of Product Packaging Technology for home industries	https://www.antaranews.com/berita/980136/ui-perkenalkan-teknologi-kemasan-produk-industri-rumahan
11.	The utilization of Archimedes type of Pycohydro Turbine for electrification in Batu Roto Village	https://www.kataindonesia.com/wujudkan-desa-mandiri-listrik-ui-hadirkan-pembangkit-listriktenaga-piko-hidro-pltph-di-batu-roto-bengkulu-utara/
12	The utilization of Degasser Tablet as an effort to increase the production results of aluminum castings in Metal Casting Centers in Cibatu Village, Cisaat District, Sukabumi	https://www.sukabuminews.net/2019/07/dtmm-ft-ui-berikan-pelatihan-pengecoran.html
13.	The biogas from animal waste power plant construction program for the development of Independet Farm Energy	http://koranprogresif.co.id/dari-ui-untuk-negeri-dari-limbah-jadi-sumber-energi-berlimpah-2/
14.	The utilization of heritage city's public spaces through the provision of drinking water facilities (Drinking Fountains) as educational facilities for a healthy environment to support tourism in Muntok, West Bangka	https://scholar.ui.ac.id/en/activities/pemanfaatan-ruang-publik-kota-pusaka-melalui-penyediaan-fasilitas
15.	Strengthening the Banyu Biru Lebak Bahari Village as a tourism destination in the context of community empowerment by implementing the BlueMetric Program as an indicator for water quality assessment and as an effort to prevent aquatic ecosystems damage	https://www.antaranews.com/berita/1019430/ui-kenalkan-bluemetric-untuk-pengukuran-kualitas-laut-indonesia
16.	The planning of Street Furniture for Ragunan Wildlife Park	https://www.kompasiana.com/yulialukito/5dde05e1df66a7200d4fc432/kolaborasi-dalam-merancang-stan-taman-margasatwa-ragunan-untuk-pameran-flona-2019?page=all

Evidence Link :

1. <https://dopf.ui.ac.id/renewable-energy-in-ui/>
2. <https://trec.eng.ui.ac.id/info/melihat-fasilitas-plts-terapung-bifacial-di-danau-ui/>
3. <http://eng.ui.ac.id/blog/trec-ft-ui-resmikan-plts-terapung-bifacial-pertama-di-indonesia/>
4. <http://eng.ui.ac.id/blog/produksi-energi-terbarukan/>
5. <https://dopf.ui.ac.id/sustainability/>
6. <http://www.ee.ui.ac.id/epes/emat/news/read/60/harmoni-iman-dan-energi-terbarukan-di-masjid-universitas-indonesia>