

UNIVERSITAS DIPONEGORO

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The excellent research university

Programs for Sustainable Campus at Diponegoro University: a Green-metric Practices

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Diponegoro University (UNDIP)



- Established in 1957
- Suburban Campus
- Area : 2,300,000 m2
- Faculties: 10
- Schools : 2
- Total active student: 43,672
- Total staffs: 1701 academic staffs+ 1173 supporting staffs



Diponegoro University (UNDIP)



The excellent research university



The common environmental related issues of Indonesian Universities

- Infrastructure
- Waste /pollutants
- Energy and Water Utilizations
- Transportation







- The current more than 70% land area is covered by planted vegetation
- Increasing number of planted vegetation by a policy for new students to bring 1 plant for each

Environmental friendly campus



• More than 200 spots of bio-pore to increase the water capacity













Collection of more than 30 Indonesian rare trees





Protected Deer Park





- Given by Nature Resource Management Office
- 9 deer in 2015 and now 20 deer (2017)



UNDIP Waste Management





Waste management



We apply Integrated Waste Management Policy

• Sorting solid waste into plastic, paper, glass group







• The facilities to treat and process the waste









• Laboratory waste management facilities (liquid & solid waste)





UNDIP's Energy Management







• The University encourage units to increase the use of renewable energy





















- Number of cars entering university: 400 /day
- More than 4000 motocycles / day





- Supported by local government, bus from different parts of the city to Diponegoro University Campus
- Target: Reducing 25% of cars and motorcycle



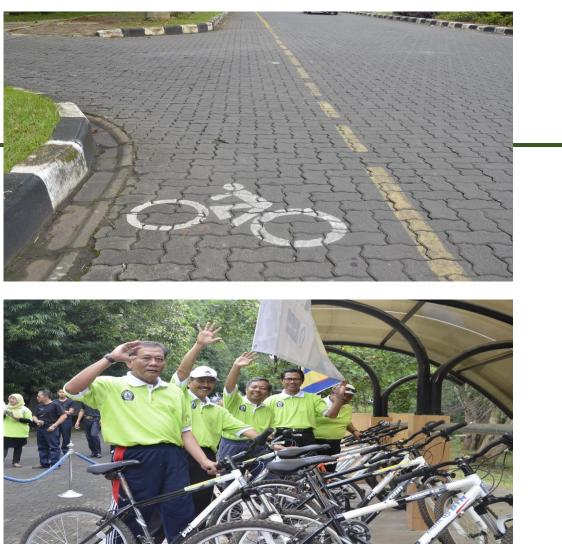


• To avoid parking on the road, then an integrated parking has been built









- Provide 700 bicycles and spread over more than 15 shelter in each faculty
- There is a bike-lane on the road of campus



In campus CO₂ emission

Sites	Absorption Capacity (tones/year)	CO2 emission (tones/year)	%	ln av only
1	2629	34.9	1.33	of th
2	1325	212	15.98	
3	1403	49.7	3.54	сара
4	4.84	5.07	104.75	
5	175	48.6	27.81	
6	1519	71.8	4.72	
7	428	296	69.08	
8	15.2	6.51	42.80	
9	64.9	15.8	24.30	



UNDIP water conservation management





Water



- UNDIP dam or polder for water conservation
- Capacity = 85.000 m3



Education





Student organization in Environment



 More than 90 student organizations have programs in environmental related activities





- Planting mangroves at coastal area of Semarang city and Jepara City
- Every year by Marine Sciences Students

Environmental education to new students



• New students have to plant at least one tree





Bird view of our main campus





UI Greenmetric International Workshop 2018



- It will be held at Diponegoro University, Semarang, Indonesia
- We welcome you all to come to our green campus



Thank You See you all in 2018