





## Template for Evidence(s) UI GreenMetric Questionnaire

University : Universitas Sebelas Maret  
 Country : Indonesia  
 Web Address : <https://uns.ac.id/> web greencampus UNS <http://greencampus.uns.ac.id/>

### [2] Energy and Climate Change (EC)

#### [2.5] Renewable Energy Sources in Campus

	
<p>Figure 1. Solar power energy is used for Installation of Drinking Water Management (SPAM) in UNS</p>	<p>Figure 2. Solar power is also used for outdoor lighting</p>
	
<p>Zfigure 3. The use of renewable energy in UNS is also supported by Electric Car fuel Station.</p>	<p>Figure 4. Biodisel</p>

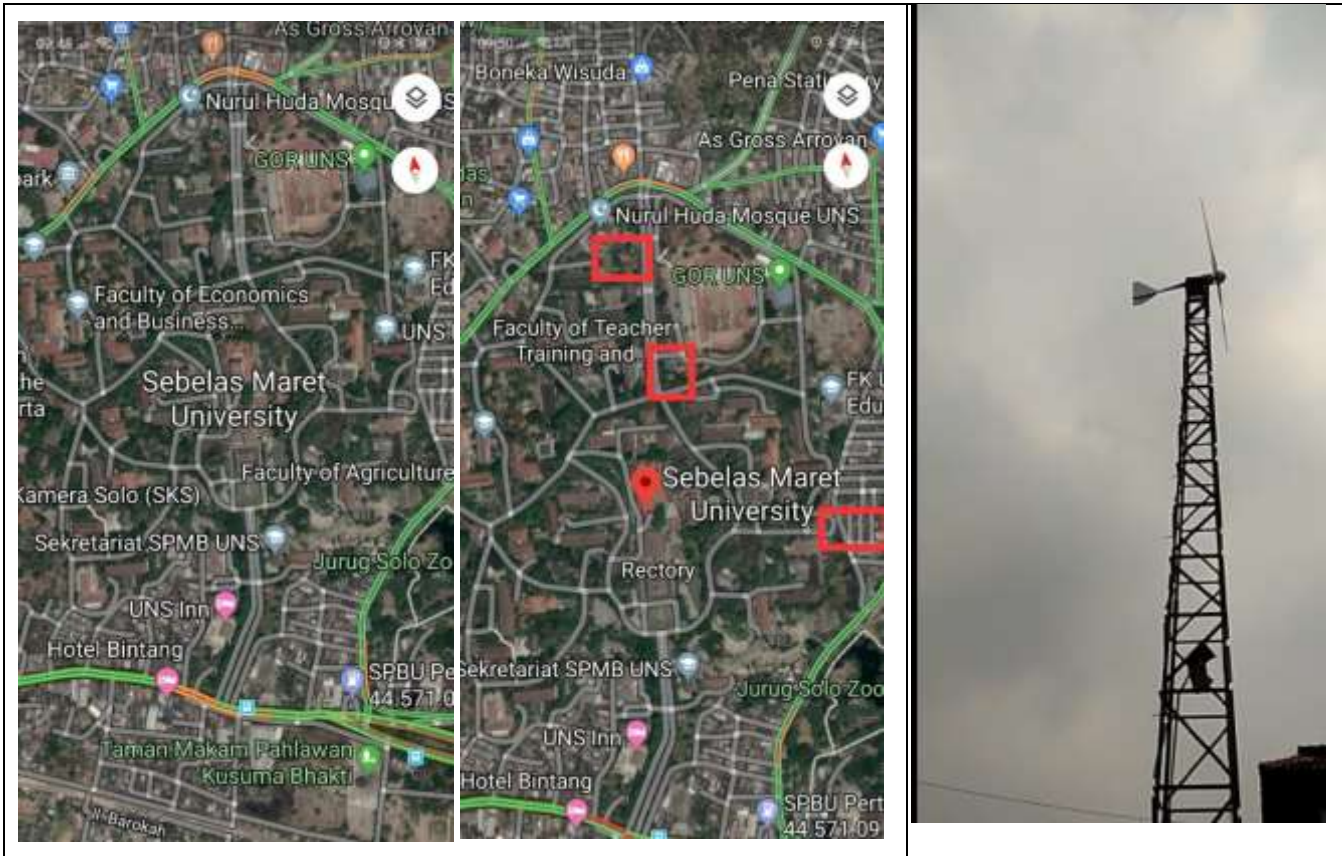


Figure 4. The Wind Power has also been initiated in UNS . The location of the wind power can be seen in the map above.

**Description:**

Universitas Sebelas Maret has been applying several renewable energy alternative, as follows:  
 : solar power, biodiesel, wind power, the electric car, the Development of Electrical Energy alternative as well as the use of the natural copouring for Batik fabric.

**Additional evidence link:**



The Solar power energy for outdoor street lighting is applied in the Library Building.



The Solar power energy is also applied as outdoor street lighting in the UNS University Hospital.



The Solar panel for the street lighting is applied in the Research and Development Services Building (LPPM) UNS Surakarta.

### Biofuel di Fakultas Teknik



The Biofuel Laboratory is developed in the Engineering Faculty UNS as a part of the University role in Research and Development of the Alternative Energy.

### BikeUNS



The use of the renewable energy has been developed in the Engineering Faculty by energy innovation for Transportation mode, which is famous as E BikeUNS

### Mobil Listrik



The Engineering Faculty UNS developed innovation on the renewable energy, through invention of National Electric Car called MOLINA .

### Piezoelectric



Piezoelectric as the innovation of renewable energy invented in the Engineering Faculty UNS

Pewarna alami DSSC



The Engineering Faculty UNS is also developed the natural colouring system called Ecody for Batik textile.

### Description:

Universitas Sebelas Maret has been developing a Renewable Energy through several activities : 1) The use of Solar Energy for Street Lighting; 2) The use of Solar Energy for Drinking Water Instalation System; 3) Implementation of Green Transportation through tle Electrical Bike (E Bike UNS) for internal transportation on campus; 4) National Electric Car (MOLINA), which was supportaed by the Ministry of Higher Education; 5) Research and Development of the Lithium Batery , which is gradually enlarged the market; 6) In the textile Industry, the Chemical industry of Engineering Faculty has been developing a Natural Colouring using floral for Batik Fabric.