

# EDUCATION

2016

Universitas Sebelas Maret (UNS) applies the principles of sustainable development through the implementation of three core responsibilities of higher education, including teaching, research, and community services, which are based on environment and sustainability. This aims at achieving the green attitude and green environment in UNS. In response to a growing need to disseminate green attitude, UNS sought students engagement and participation in green activities within universities. One way to cultivate this attitude is by socializing green campus toward new student class of 2016.



Picture 1

*The activity of Green Campus socialization toward new student class of 2016  
Faculty of Agriculture and Faculty of Law*



Picture 2

The activity of *Green Campus* socialization toward new student class of 2016 Faculty of Teacher Training and Education and Faculty of Engineering

The implementations of green campus are as follows:

1. In education sector, in an attempt to embody the green attitude and green environment within the university, UNS has been incorporating the values of environment and sustainable development into curriculum, in which every study program in UNS has been providing compulsory courses. This

compulsory courses are Basic Natural Science, that is addressed to the students taking the natural sciences study program, and Basic Cultural Science for the students taking social sciences study program. Both Basic Natural Science and Basic Cultural Science courses contains environment and sustainability on its study. In addition, the curriculum in all of the Faculties at UNS also includes subjects related to the environment and sustainability, either as the primary courses or elective courses.



Picture 3

Ecological and Environmental science learning process  
in Geography Education Study Program



Picture 4

*Outing Class; Understanding the Green Element Application on the  
Architecture works, September 2016*

2. Not only is UNS incorporating sustainable development values through teaching in class, but UNS is also incorporating sustainable development practice through field study and practicum activities. The use of natural dyes and recycled materials is an example of the implementation of the environment and sustainability in learning.



Picture 5

Field study related to the environment and sustainability

3. The environment and sustainability concept in the education sector is also implemented through e-learning system. It is conducted by several faculties that have been developing e-learning system, such as Faculty of Arts and Design applying this concept in 40% of their learning process.
4. In an attempt to internalize the green attitude and green environment, it is also conducted by character building of the students through several activities reflecting environmental awareness and concern.



Picture 6

Composting Activity at the freshman orientation of Faculty of Agriculture



Picture 7

The activity of making biopori hole at the freshman orientation of Faculty of Agriculture

5. *Character building* toward new students of UNS that aims to internalize the green attitude and green environment is also implemented through several regulations, advisories and socializations related to the importance of preserving the environment.



Picture 8

Parking Arrangement at Faculty of Mathematics and Natural Science



Picture 9

### Smoking-Prohibited Areas of Faculty of Medicine



Picture 10

### Smoking-Prohibited Signs Posted in the public area of Faculty of Social and Political Science

6. In Research and Community Services sector, based on the research master plan of UNS 2012 – 2025, from 13 research and community services schema that has been compiled, UNS has also provided the scheme to facilitate research and community services related to environment and sustainability: (1). The poverty alleviation programs, (2) Climate change and biodiversity, (3) new and renewable forms of energy, (4) food security, (5) human health, tropical diseases, nutrition and medicine, (6) disaster management and mitigation, (7) art and culture / Creative industry, (8) Infrastructure, transportation and defense technology, and (9) Human development and the competitiveness of nations. Over years, the number of

the research and community services in the research schema related to the environment and sustainability is growing bigger. In 2016, the number of the research and community services related to environment and sustainability reaches 33,20% of all researches and community community services conducted by lecturers of UNS.