

SUSTAINABILITY REPORT



15 LIFE ON LAND



“Life on land is a precious resource – we need to ensure that it is passed on to future generations, at a time when loss of biodiversity is an increasing concern. Different universities will have responsibility for very different landscapes and the life within, but all have a responsibility as stewards of their environment.”

-THE Impact Rankings

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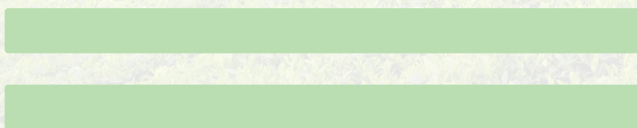
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241

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SUSTAINABILITY MANAGE FOREST, COMBAT DESERTIFICATION, HALT AND REVERSE LAND DEGRADATION, HALT BIODIVERSITY LOSS

1 Sustainable Agriculture as a Solution for Land Conservation

Students of the Community Service Program (KKN) of Universitas Sebelas Maret Group 95 held **an event to empower farmers** from Sringin Village to become organic farmers. The activity to empower farmers from Sringin Village to become organic farmers was attended by 20 farmers consisting of the Head of the Farmer Group and representatives of the Farmer Group Association (Gapoktan). The purpose of this activity is to help make **the principle of sustainable agriculture** a success, where in addition to getting **abundant results**, it also maintains **good environmental condition**. This activity was continued with the practice of making Liquid Organic Fertilizer (POC) and Pesnab.

The Student Executive Board (BEM) of the Faculty of Agriculture of Universitas Sebelas Maret through the Student Organization Capacity Building Program with the organic farming conversion program has designated Glagahwangi Village as the target for **organic farming assistance**. The activity involved **38 farmers** who will be assisted in implementing organic farming conversion. The team will carry out further activities related to **organic farming conversion assistance** and the **implementation of smart farming** in order to make farming businesses more efficient and thus improve farmers' welfare.

Students of the Faculty of Agriculture of Universitas Sebelas Maret realize **sustainable agriculture** through training in making Liquid Organic Fertilizer in Sanggang Village, Sukoharjo. This activity was initiated by students of the Agricultural Extension and Communication Study Program (PKP). This training is part of the Independent Learning Independent Campus (MBKM) Research and Study program on millennial farmers. Around **30 residents of Sanggang Village** participated in this training. This innovation is expected as an **alternative solution** to the decreasing chemical fertilizer subsidies and can **improve soil quality** so as to realize **a sustainable agricultural system**.



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2 Tree Adoption Program to Preserve Biodiversity



The Technical Implementation Unit of Forestry Education and Training of Universitas Sebelas Maret held a soft launch of tree adoption. Tree adoption is an activity in which **someone becomes a tree caretaker** to care for and maintain trees with a sense of responsibility, namely by contributing funds for tree care. Tree adoption can be done for rare plants and plants that are already standing. The benefits and advantages of tree adoption are **restoring forests and critical land, increasing awareness and encouraging the public to pay more attention** to the natural environment, **supporting non-timber forest products**, and **improving the welfare** of the community around the observation area.

3 Vertical Garden Innovation to Improve Environmental Quality

The Faculty of Mathematics and Natural Sciences (FMIPA) of Sebelas Maret University created **a vertical garden**. The creation of this garden involved the academic community of FMIPA UNS. The FMIPA vertical garden is located on the exit wall, right next to building B, which **consists of 1,738 plants**. The details of the existing plants are 543 red purslane plants, 379 adam hawa plants, 396 kencuran plants and 420 legegstrum plants. The creation of a vertical garden **allows buildings with limited land to still have a green area** that functions to **improve environmental quality** because the plants in the vertical garden are able to absorb pollutants and improve air quality.

