



SUSTAINABLE
DEVELOPMENT
GOALS

Universitas Airlangga support the Sustainable Development Goals



UNIVERSITAS AIRLANGGA
FAKULTAS TEKNOLOGI MAJU DAN MULTIDISIPLIN
ftmmunair



SUSTAINABLE ENERGY AND GREEN TECHNOLOGY APPLICATIONS

FTMM UNAIR - WUACD

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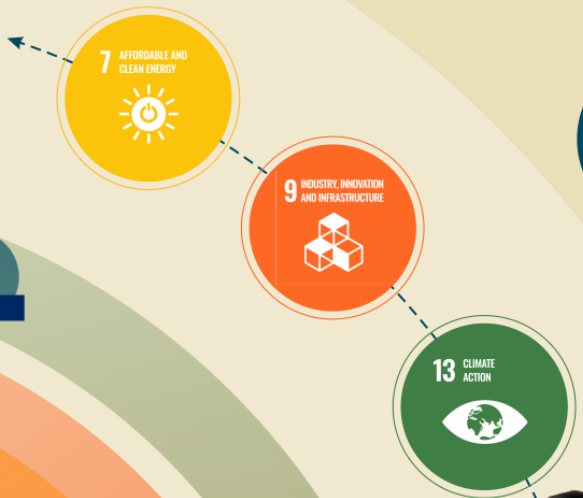
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SUSTAINABLE ENERGY AND GREEN TECHNOLOGY APPLICATIONS

SEGTA Fall Program run by Faculty of Advanced Technology and Multidisciplinary Universitas Airlangga in collaboration with World University Association for Community Development (WUACD) is one of the activities in course and community development by learning and exploring Indonesia potential sources to be applied in today's cutting-edge technology, particularly in sustainable energy and green technology applications to support Sustainable Development Goals in points 7 (Affordable and Clean Energy), 9 (Industry, Innovation and Infrastructure) and 13 (Climate Action).

This fall program is part of WUACD Summit in Conjunction with the International Conference on Community Development 2022.

The targets of this program are Universitas Airlangga students and international students. This program aims to enrich the knowledge in technology by exploring Indonesia potential sources to be utilized in wide applications.



ABOUT US



COURSE FEATURES

SEGTA Fall Program is a course and community-based learning program in sustainable energy and technology applications. This program immerses students in **teaching and learning activities into academic courses and field trips for community development lessons**. The activities will enrich students' experience and knowledge in sustainable and green technologies applications in the community.



LOCATION

These activities will be conducted **offline** at **Universitas Airlangga Surabaya** and field trips in **Pasuruan** and **Bromo Mountain**.

TOPICS

The courses and community development activities include:

- Solar cell and hydroponic applications,
- Spectral drone for farming and tourism in the area of Mount Bromo,
- Green technology in nanomaterial synthesis applications and
- Aromatherapy filter mask.





NO.	CONTENT	NUMBER OF HOURS / CREDIT
01.	<p>Academic Course about Community Services and Development Related to SEGTA</p> <p>a) Renewable energy sources exploration in Indonesia remote area</p> <p>b) Solar hydroponic and technology support</p> <p>c) Indonesia plants for green synthesis nanomaterial</p> <p>d) Natural Aromatherapy Mask Filter</p> <p>e) Multispectral drone as farming field and tourism mapping</p>	21 HOURS/CREDIT
02.	Field study in Surabaya, Pasuruan and Bromo Mountains	72 HOURS/CREDIT
TOTAL		93 HOURS/CREDIT

TARGETED STUDENTS

FTMM targets international students staff from across fields of study

SYLLABUS

8 NOVEMBER 2022

Participants arrive in Surabaya

9 NOVEMBER 2022

Dies Natalie's Unair meeting and community development in Surabaya

10 NOVEMBER 2022

WUACD Summit Conjunction with International Conference on Community Development 2022

11 NOVEMBER 2022

Academic courses at Faculty of Advanced Technology and Multidisciplines in Surabaya

12 NOVEMBER 2022

Field study solar hydroponic in Pasuruan and in the area of Bromo Mountains

13 NOVEMBER 2022

Field study and closing reception in the area of Bromo Mountains



DAILY SCHEDULE

TRANSPORTATION

- Airport pickup
- Local transportation
- Transportation to field study locations



ACCOMMODATION

6-nights accommodation during the stay in Surabaya and Bromo Mountains

MEALS

Daily meals during the stay in Surabaya (Breakfast, Lunch and Dinner)



TRIP

To Pasuruan and Bromo Mountain (free for staff and students inbound of FTMM)



FACILITIES

IMPORTANT DATES

Application Deadline	October 23 th , 2022
Announcement	October 26 th , 2022
Orientation	November 1 st , 2022
Arrival	November 8 th , 2022
Program	November 8 th -13 th , 2022
Departure	November 14 th 2022

<https://bit.ly/SEGTA>

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