

13 CLIMATE ACTION



SDG 13

CLIMATE ACTION





RESEARCH IN NUMBER (2019–2023)



PUBLICATION
118



CITATION IMPACT
1.23



CITATION COUNT
896

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Universitas Padjadjaran is committed to supporting Sustainable Development Goals (SDGs) 13: Climate Action through various initiatives and programs aimed at reducing the impact of climate change and increasing awareness and capacity of the campus community to contribute to mitigating and adapting to climate change.

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UNIVERSITAS PADJADJARAN'S INITIATIVE IN CLIMATE CHANGE

SDG 13 emphasises the importance of addressing climate change. Campuses can play a major role in supporting this SDG through various initiatives, such as reducing energy, water, and paper consumption, and switching to renewable energy such as solar panels. In addition, campuses can promote the use of public transportation, bicycles, and provide electric vehicle charging facilities. Other efforts include planting trees and creating green spaces to help absorb CO2 emissions.



Unpad has taken several steps to support renewable energy, including the use of solar panels as part of its green campus efforts. Unpad has installed solar panels in several locations, such as the Rectorate Building in Jatinangor, as part of its commitment to reducing carbon emissions and increasing the use of renewable energy. The development of new renewable energy in question is the installation of Solar Power Plants (PLTS) and the development of a prototype hydroelectric power plant or pico hydro resulting from research by researchers at the Center for Excellence in Higher Education Science and Technology (PUI-PT) Nanopowder Functional Unpad. In addition to developing new renewable energy, Universitas Padjadjaran remains committed to the principle of utilising available natural resources as energy sources or resources that can be optimised.





AWARENESS OF CLIMATE CHANGE

The Department of Marine Affairs, FPIK, Universitas Padjadjaran held a hybrid international webinar Padoc series 2 on August 28, 2023, with the theme "Climate Change Impact on Coastal Community and Fish Farm Health". This event was attended by more than 500 participants from various backgrounds. The chairman of the committee, Buntora Pasaribu, PhD, stated that the main goal of Padoc is to raise awareness about marine health and encourage the internationalisation of FPIK and Unpad through research and education. This webinar presented speakers from the United States, China, and Indonesia, who discussed various topics on marine and climate change.

In addition to holding webinars, Universitas Padjadjaran provides climate change education to the community, especially in schools. The Library and Information Science Study Program, Faculty of Communication Sciences, Universitas Padjadjaran, conducted disaster literacy socialization and disaster simulations for the community in Jatigede District, Sumedang Regency, on Friday, October 27, 2023. The event, which was held as part of Community Service (PPM), was held at the Jatigede District Office and SDN 1 Cijeungjing. At the Jatigede District Office, an FGD was held on disasters. The material was presented by lecturers from the Unpad Library and Information Science Study Program, namely Prof. Dr. Hj. Ninis Agustini D., M.Lib. who provided education on the steps in carrying out simple disaster mitigation, Dr. H. Edwin Rizal, M.Si, who delivered information related to fire disasters, and Drs. Yunus Winoto, M.Pd., regarding the importance of reminding each other between families, especially in disaster mitigation as a form of community preparedness for disasters.

This event aims to increase the understanding of disaster mitigation in the Jatigede District community, especially government officials and students. Dr. Ute Lies Khadijah, Head of the Library and Information Science Study Program at Unpad, hopes that this activity will increase disaster preparedness, especially fires. At SDN Cijeungjing 1, students received education related to earthquakes and landslides and carried out self-rescue simulations. Dr Ute hopes that participants will be more sensitive to the geographical conditions of their area, especially considering that Jatigede is prone to landslides and fires, and will be able to spread this insight to others.



SIMULATION OF EARTHQUAKE AND FIRE HANDLING IN THE PSDKU UNPAD NURSING STUDY PROGRAM



On June 8, 2023, students of the Nursing Study Program at PSDKU Universitas Padjadjaran in Pangandaran held a simulation of handling an earthquake disaster accompanied by a fire in the campus area. This activity aims to increase the awareness of the academic community of PSDKU Unpad Pangandaran regarding the earthquake disaster in the southern coastal area of West Java which can have a direct impact on the Pangandaran area.

The simulation was carried out in collaboration with the Regional Disaster Management Agency (BPBD) of Pangandaran Regency and related agencies, which are expected to increase collaborative and participatory efforts. In addition, this activity is expected to strengthen the uniqueness of the Nursing Study Program at PSDKU Unpad Pangandaran regarding handling activities in tourism areas.

Head of the Emergency and Critical Nursing Department, Yanny Trisyani W S.Kp., MN., PhD, said that the manager of the course should increase awareness of disasters for the academic community and will be carried out periodically every year. This disaster simulation is designed with a real disaster management approach. Of all the participants involved, there are participants who play the role of victims with red, yellow, green, and black triage; become the head of BPBD; become the field coordinator, documentation team, security team, and support team. Before this activity was carried out, training had been routinely carried out three times in 1 week.