



Environmental Training for Staff and Student at Universitas Padjadjaran

Universitas Padjadjaran (Unpad) continues to demonstrate its commitment to supporting the development of human resource capacity in the fields of environment and sustainability through various applicable and collaborative training programs. A number of environmental trainings have been organized involving lecturers, students, communities, and external partners. The average duration of each training ranges **from 3 to 5 hours**, with materials designed to enhance technical skills, awareness of occupational safety, and understanding of contemporary environmental issues.

- **Occupational Health and Safety (OHS) Training within laboratory environments**

The Faculty of Fisheries and Marine Sciences at Universitas Padjadjaran (FPIK UNPAD) has established a strategic collaboration with Mutu Institute to conduct Occupational Health and Safety (OHS) training for laboratory settings. This training is aimed at enhancing the capacity of faculty members in implementing safety procedures within laboratory environments, while also supporting the quality of research and teaching at FPIK UNPAD.

As an institution with extensive experience in training and human resource development, Mutu Institute was invited to deliver comprehensive training sessions. The topics covered in the training include risk identification, the use of personal protective equipment, handling of hazardous chemicals, and laboratory waste management.



<https://mutuinstitute.com/post/pelatihan-k3-labolorium-fakultas-perikanan-dan-ilmu-kelautan-02-oktober-2024-di-universitas-padjajaran/>



- **Talk Show Greeneration**

This event was organized by involving various environmental communities that have a strong commitment to sustainability issues, including Coaction Indonesia, Teens Go Green, BEM Kema Unpad, and Unpad Hejo. This cross-community collaboration demonstrates the spirit of togetherness in building awareness and real action in the field of environmental protection, especially among the younger generation.

The main objective of organizing this event is to increase the interest and active participation of young people, especially students of Universitas Padjadjaran, in environmental issues and green jobs or environmentally friendly employment. Through a series of activities such as inspiring talk shows, community exhibitions, interactive workshops, and green career simulations, participants are expected to gain a deeper understanding of career opportunities that are not only economically promising but also have a positive impact on the sustainability of the planet.

More than just an informative event, this activity becomes a collaborative space for students to connect directly with practitioners, activists, and industry players who are engaged in the sustainability sector. Thus, this event not only raises awareness about the importance of youth roles in facing the climate crisis, but also opens the path for them to take part in real solutions through environmentally-oriented career paths.



https://www.instagram.com/p/DCgDVm4zVT2/?img_index=3



- **Health and Safety Essentials: Laboratory Best Practices**

Central Laboratory of Universitas Padjadjaran is one of the main facilities that supports interdisciplinary research activities conducted by the academic community of Unpad. As an integrated laboratory service center, the Central Laboratory plays a strategic role in maintaining the quality, safety, and sustainability of research processes across various fields of science. In an effort to uphold work safety standards and enhance the practical competence of laboratory users, the Central Laboratory routinely organizes trainings on occupational health and safety (OHS).

One of the activities carried out was a training entitled "**Health and Safety Essentials: Laboratory Best Practices**," held on **May 20, 2024**. This training was attended by lecturers, technicians, and students who actively use the laboratory facilities for research and practical work.

The topics presented in this training covered several important aspects, including:

- **Work Environment Management and OHS in the Laboratory**, which discussed the safe management of laboratory environments in accordance with standard operating procedures;
- **Effects and Risks of Occupational Health in the Laboratory**, highlighting potential hazards from chemicals, biological agents, or equipment used in laboratory activities;
- **Emergency Response to Laboratory Fire Accidents**, with a simulation of quick responses to fire incidents or other dangerous situations; and
- **Practical Use of Fire Extinguishers (APAR)**, providing hands-on training on effective early fire extinguishing techniques.

This activity was not only informative but also practical, allowing participants to gain direct experience in handling potential occupational risks in the laboratory environment. With this training, the Central Laboratory of Unpad hopes that all laboratory users will be able to apply occupational safety principles in a disciplined and consistent manner, to support the creation of a safe, productive, and sustainable research environment.



WORKSHOP ON LABORATORY TECHNIQUES 2024

 <p>The Secret to Accurate Results: Verification the Performance of UV-Vis Spectrophotometer and Atomic Absorption Spectroscopy (AAS)</p>	 <p>Training and Testing Using High Performance Liquid Chromatography (HPLC)</p>	 <p>Safety Practices for Working with Hazardous Chemicals - Safety Training</p>
 <p>Health and Safety Essentials: Laboratory Best Practices</p>	 <p>Laboratory Technique Workshop Series Activity Biology: - Cell Culture - Polymerase Chain Reaction (PCR) & Real Time PCR - Western Blotting - In Cell Western</p>	 <p>Animal Handling and Modelling</p>
 <p>Pipetting Tehniques Workshop – Improve Your Skill for Better Research Result</p>	 <p>Time to detection of Mycobacterium tuberculosis liquid culture using the MGIT method</p>	 <p>Work Safety in Biosafety Level-3 Laboratories</p>
 <p>Granules And Tablets Coating Process Using A Coating Machine</p>	 <p>Herbal Medicine Standardisation Using TLC Scanner</p>	 <p>Workshop On Peptide Synthesis</p>

<https://www.instagram.com/p/C6-ovJVPkNK/?hl=en>



- **Water Sampling Training at PSDKU Unpad Pangandaran Campus**

In collaboration with the Fisheries Study Program at PSDKU Unpad Pangandaran, the Ecology Laboratory of the Center for Environment and Sustainability Science (CESS), Universitas Padjadjaran, held a **Water Sampling Training** on **November 28, 2024**, at the PSDKU Unpad Pangandaran Campus. The training was attended by approximately 90 participants, consisting of students and lecturers from the Tropical Marine Fisheries Study Program.

The training featured speakers from the Ecology Laboratory of CESS Unpad who are experienced in the field of water quality, including Siti Nurhayati, Sovia Endah, Jerry Herdiana, and Aep Saepudin. The session on **sampling planning** was delivered by Siti Nurhayati. This session covered topics such as the objectives and elements of sampling planning, determining the sampling location and points, as well as the preparatory steps for sample collection.

Next, **the technical procedures for water sample collection** were explained by Sovia Endah. This segment detailed the standard methods used, including requirements for sampling equipment and sample containers, sampling techniques, field parameter testing, and sample preservation.



<https://cess.unpad.ac.id/laboratorium-ekologi-melaksanakan-kegiatan-pelatihan-pengambilan-contoh-air-di-kampus-psdku-unpad-pangandaran/>