

FOREWORD

Rector Universitas Padjadjaran

Since the Sustainable Development Goals (SDGs) were first released at the UN General Assembly in September 2015, Universitas Padjadjaran has been determined to become an active actor in its implementation from 2016 to 2030. This is evidenced by the establishment of the Unpad SDGs Center in April 2016 as one of the Centers of Excellence, which is expected to become a think tank for the implementation of SDGs in Indonesia by contributing to thinking and research and also becoming a facilitator for the implementation of SDGs in Indonesia.

University Padjadjaran is also the first University in Indonesia to implement SDGs learning through the SDGs course curriculum for first-year students. Thus, the implementation of SDGs has become an inseparable part of various activities of Universitas Padjadjaran through its Tri Dharma of Higher Education. SDGs are also implemented in the governance system of Universitas Padjadjaran. On the one hand, SDGs provide benefits for Universitas Padjadjaran because Universitas Padjadjaran uses its four pillar scheme (Social, Economic, Environmental, and Legal and Governance) in the University's governance system. On the other hand, Universitas Padjadjaran is also an important actor partner of the government and other actors in supporting the implementation of SDGs at the local, national and global levels.



As proof that the commitment to sustainable development at Universitas Padjadjaran has been carried out, we have compiled the Sustainable Development Goals Report, which will be a reference for us to communicate the environmental and social performance of the institution and its sustainable impacts to our stakeholders. We hope that this Report, in addition to being feedback for improving organisational governance, can also be evidence of transparency regarding the risks and opportunities we face.

We would like to express our deepest gratitude to the team that compiled this Report and also all parties who assisted in the preparation of this Report. Hopefully, UNPAD stakeholders and the community can benefit from this Report and for UNPAD, it can make this Report a culture in improving the organisational governance of

Bandung, 17 September 2024

Rector Universitas Padjadjaran
Prof. Dr. Rina Indlastuti, S.E., M.SIE.



1 NO POVERTY

2 ZERO HUNGER

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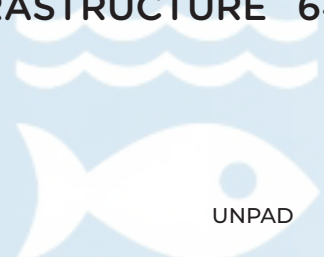
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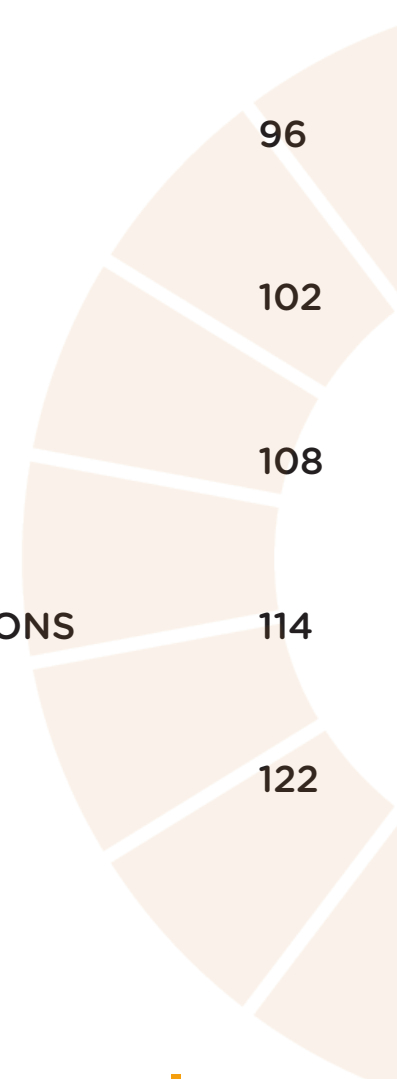
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SDG 1

NO POVERTY





1 NO POVERTY

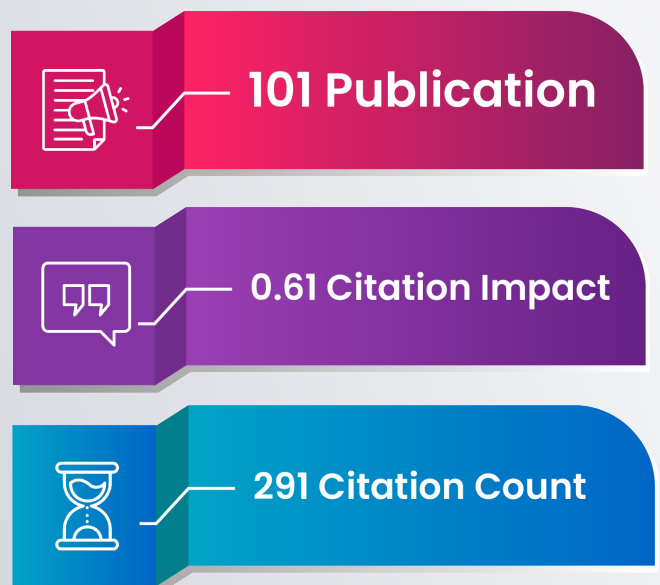
End poverty in all its forms everywhere

UNPAD ASSISTS 480 ULTRA MICRO BUSINESSES IN 10 REGIONS OF INDONESIA

The government continues to strive to achieve the target of eliminating extreme poverty in 2024. Collaboration with various stakeholders, including universities, is needed to gain a new perspective on eliminating extreme poverty in each region. Universitas Padjadjaran is one of the partners of the Ministry of Cooperatives and Small and Medium Enterprises in overcoming extreme poverty. Together with the Ministry of Cooperatives and SMEs, Universitas Padjadjaran helps micro-business actors to get mentoring programs both online and offline to develop their businesses in terms of marketing, financing, and business growth. Universitas Padjadjaran assists this poverty alleviation program in 10 regions, namely Banda Aceh, Central Lampung, Makassar, Pontianak, Sampit, Pati, Cianjur, Sumenep, Serang, and Bandung.

In addition to providing direct assistance to business actors, Universitas Padjadjaran also involves students in directly addressing poverty issues, both in research programs and community service. "The Merdeka Belajar and KKN programs are directed to poor villages so that they can encourage the community to be more prosperous. Universitas Padjadjaran holds various skills training and entrepreneurship development for local communities to increase income and economic independence.

RESEARCH IN NUMBER (2019 - 2023)





NO POVERTY

NO POVERTY



STUDENT OUTREACH TO HELP THE COMMUNITY ECONOMY

240
Ultra Micro Business

10
Cities

240
Distribution Partners

DEVELOP A NEW ECONOMY IN THE VILLAGES

Opening a new economy in the village can have a big impact on poverty alleviation and improving the quality of life in the community. Universitas Padjadjaran also tries to solve the problem of poverty by developing local entrepreneurship, developing tourism potential, developing craft innovation, helping support facilities for the village economy, and other relevant assistance. The following are Universitas Padjadjaran's efforts to alleviate poverty.

DEVELOPMENT OF AGROTOURISM BASED ON LOCAL RESOURCES

The KKNM Team of Universitas Padjadjaran, led by Endah Djuwendah, M.Sc., in Mekarasih Village, Jatigede, Sumedang, held a community outreach to develop the village's potential. Through focus group discussions (FGD), the team developed the potential of agrotourism involving local stakeholders. The team also held counselling for the Women Farmers Group in Mekarasih Village. This counselling included strengthening farmer groups, business recording administration, and utilising Instagram for marketing MSME products. This activity aims to increase the added value of local products and the sustainability of agricultural businesses, as well as empower women and strengthen social ties in the village. efforts to alleviate poverty.





PARAKANMANGGU VILLAGE BECOMES MANGGIS TOURISM HOUSE PROJECT



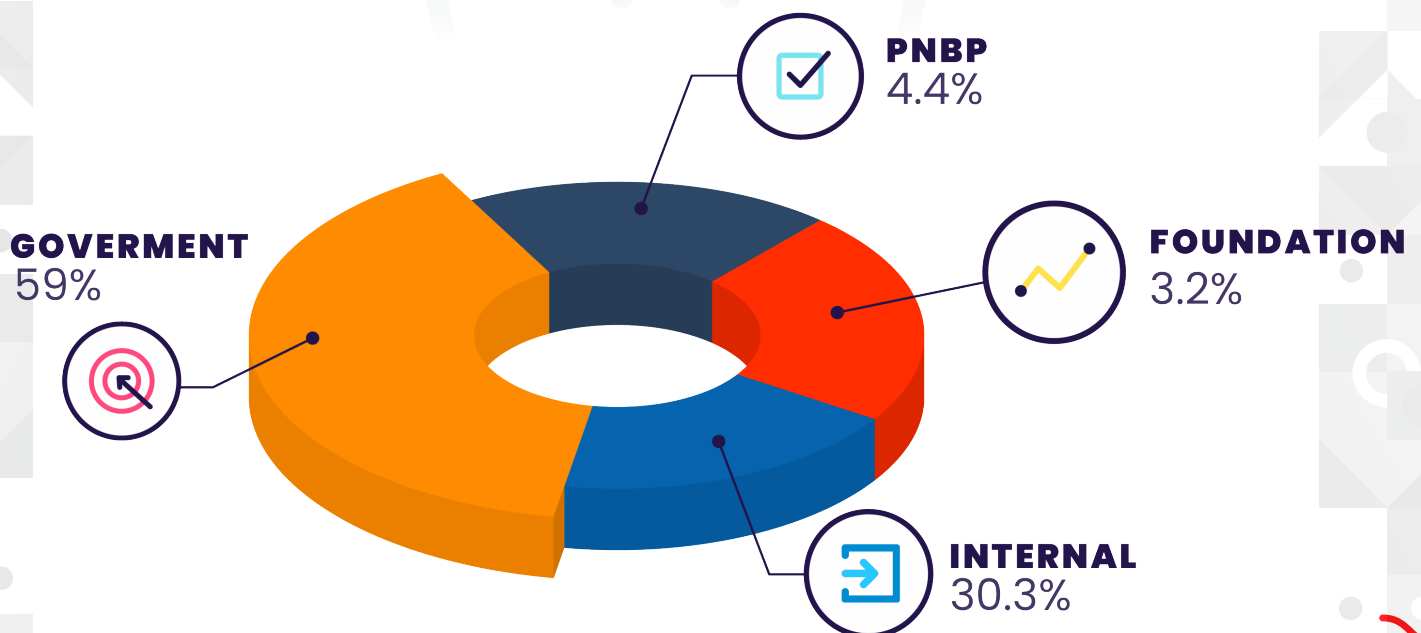
The Universitas Padjadjaran research team, led by Prof. apt. Muchtaridi, PhD, launched the **Mangosteen Tourism House Project** in Parakanmanggu Village, Pangandaran Regency. This project aims to increase the production of mangosteen fruit, the selling price of which has decreased due to inadequate quality. By processing mangosteen into raw materials for extracts or other products such as dyes and medicines, farmers are expected to still have income even though it is not the harvest season. Assistance in the form of the necessary production tools is planned to arrive at the end of August 2023, and outreach to the community will be carried out immediately afterwards. With this project, it is hoped that farmers' incomes will increase and the potential of Parakanmanggu Village's mangosteen fruit can be recognized nationally.



SCHOLARSHIPS FOR STUDENTS IN NEED

In 2023, Universitas Padjadjaran also has several initiatives and programs designed to support students, staff, and the surrounding community. Starting from students, Universitas Padjadjaran provides Student Scholarships. Unpad provides various scholarships for outstanding students and those from low-income backgrounds. The KIP Kuliah Scholarship Program (Smart Indonesia Card) collaborates with the government to ensure inclusive access to higher education.

In 2023, Universitas Padjadjaran increased its role as an important link in the distribution of scholarships from the government and private sectors. Through increased partnerships and collaborations between various entities, Unpad ensures that more students have the opportunity to receive scholarships, supporting them in their academic journey. This step confirms Unpad's commitment to expanding access to education, as well as its strategic role in connecting outstanding students with various funding opportunities. Moreover, Unpad has recorded a significant increase in the number of scholarship recipients, including from prestigious programs such as KIP Kuliah, as well as scholarships from the DKI Jakarta and West Java Provincial Governments. This opens up opportunities for many students to access quality education and enrich their learning experiences. In 2023, the largest number of scholarships were in the government sector with 4945, internal 2535, PNBP 369, Foundation 271, private 120, and BUMN 139.



UNIVERSITAS PADJADJARAN INITIATES RE-ESTABLISHMENT OF NURSING HOME FOR POOR ELDERLY



The Faculty of Cultural Sciences Team of Universitas Padjadjaran conducted community service in Cikeruh Village, Jatinangor, focusing on the establishment of a nursing home. Led by Prof. Dr. Nina Herlina, M.S., this team seeks to change the public's view that entrusting elderly parents to a nursing home is shameful, even though they live in poverty. A number of Unpad professors, together with other donors, have established a nursing home under the auspices of the Riyadlul Jannah

Foundation. In this nursing home, the elderly are given decent facilities. There are less than 20 elderly residents of the nursing home. In addition to rooms with complete furniture, the elderly receive nutritious clothing and food, recreation at tourist attractions once a month and doctor visits. For spiritual needs, the elderly residents of the nursing home also attend weekly religious studies at the Riyadhul Jannah Mosque located in the nursing home complex.

2 ZERO HUNGER



SDG 2

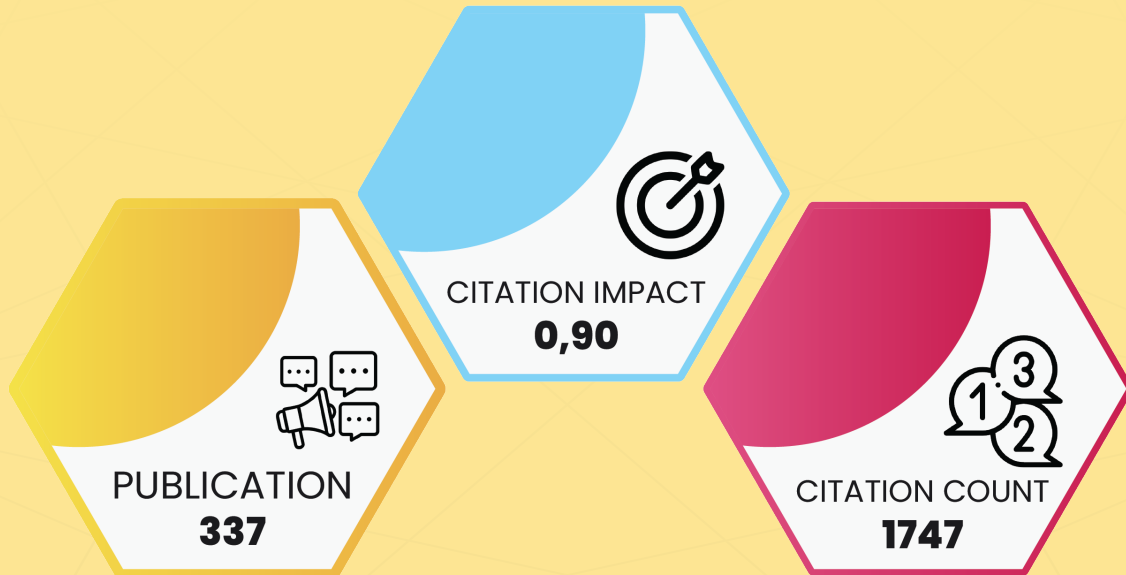
ZERO HUNGER





Universitas Padjadjaran ensures access to sufficient, nutritious, and affordable food for all members of the campus community, including students, staff, and the surrounding community.

RESEARCH IN NUMBER (2019 - 2023)



ZERO HUNGER ON CAMPUS

“Zero Hunger on Campus” is an initiative aimed at addressing food insecurity among students in educational institutions. Food insecurity on campuses can affect students’ health, academic performance, and overall well-being.

Universitas Padjadjaran supports the academic community, especially students, in obtaining food and drinks easily. Every Monday, Thursday, and Friday, Universitas Padjadjaran distributes food to students. In addition, during the month of Ramadan, food is distributed to students and the surrounding community. In addition, there are also ready-to-drink drinking water facilities located at several points on campus. In one activity, Baznas Universitas Padjadjaran distributed around 420 food packages to HSE officers, campus transportation drivers, and security officers through the “Ramadhan Care UPZ Unpad 2023” program as assistance for Eid al-Fitr. This assistance was handed over at the Unpad Grand Mosque, Jatinangor, on April 17, 2023. The package funds came from zakat collected by UPZ Baznas Unpad from muzak, who entrusted their zakat to be distributed.

2 ZERO HUNGER

End hunger, achieve food security and improved nutrition and promote sustainable agriculture.



600 FOOD PACKAGES / WEEK

DISTRIBUTION OF SACRIFICIAL ANIMALS

Not only did Unpad provide consumption in the campus environment, but in 2023, it distributed 90 sacrificial animals in the form of sheep. The distribution of sacrificial animals was carried out at the Unpad Faculty of Animal Husbandry Feed Testing Laboratory. The meat from the slaughter of sacrificial animals was then distributed to those in need, including underprivileged students, staff, and residents around the campus. The distribution of basic necessities and sacrificial animals strengthened relationships between members of the community. This activity is a moment to gather, work together, and share happiness together, regardless of social status, ethnicity, or background.

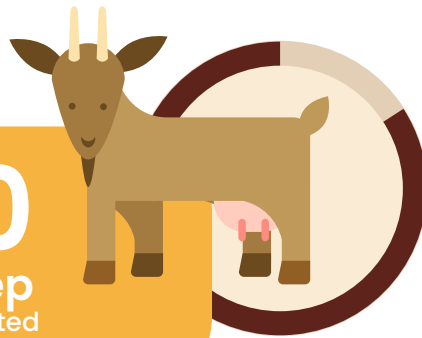


Handover of sacrificial animals by Universitas Padjadjaran to the community

90

Sheep

Distributed
for Community Food



UNIVERSITAS PADJADJARAN INNOVATION TO SOLVE STUNTING IN INDONESIA

Preventing stunting in children is very important because stunting, or dwarfism, is a condition in which a child has a height shorter than the standard for their age due to chronic malnutrition and repeated infections during the important period of growth, especially in the first 1,000 days of life (from pregnancy to the age of two). To solve this problem, lecturers and students actively contribute to improving nutrition in the community. A group of Universitas Padjadjaran students created an innovation for complementary foods to prevent stunting in children. This product uses the Dehydrated Press method to make it practical and durable. The manufacturer of this product pays attention to nutritional intake in children and considers the interests of millennial mothers in terms of practicality in meeting children's needs. This product is made from kale, salmon, carrots, shallots, and garlic. Meanwhile, the way to serve this product itself is by mixing one cube of **Dekamon Chunk** for a baby's portion of approximately 100 grams.



NUTRITIONAL FOOD EDUCATION TO PREVENT STUNTING IN VARIOUS REGIONS

In addition to product innovation, in 2023 several student KKN groups will also conduct stunting prevention socialisation activities in various regions with the Youth Posyandu Program (in the villages of Cipacing, Cintakarya, Jatimukti, Kondangjajar, Kertayasa), nutritious food processing education with chayote in Cibodas village, to dental and oral health education to prevent stunting in Cipatik village. In Pangandaran Regency, West Java itself, there are 17 student KKN groups that carry out community service to provide education related to stunting.



Education on nutritious food processing to prevent stunting

PROMOTING SUSTAINABLE AGRICULTURE ON AND OFF CAMPUS

Universitas Padjadjaran develops community gardens or sustainable agriculture to produce vegetables, fruits, and other food ingredients. Bale Tatanén Unpad is an initiative run by Universitas Padjadjaran (Unpad) as part of efforts to support food security and sustainable agriculture, as well as implementing the Sustainable Development Goals (SDGs), especially SDGs 2 (“Zero Hunger”). This program focuses on developing urban

agriculture in the campus environment and surrounding communities. Bale Tatanén Unpad is a concrete example of Universitas Padjadjaran’s commitment to contributing to environmental sustainability and food security. This program not only provides direct benefits to the campus but also to the surrounding community while supporting the global goal of ending hunger and promoting sustainable agriculture.

IMPACT AND BENEFITS OF BALE TATANEN UNPAD

01

Increasing Local Food Security: By producing local food independently, Bale Tatanén helps reduce dependence on food from outside and supports food security in the campus environment.

02

Reducing Food Waste: The program also promotes efficient use of food and waste reduction through sustainable agricultural practices.

03

Education and Research: Provides learning opportunities for students and faculty in the fields of agriculture, environment, and natural resource management.

04

Local Economic Empowerment: Improves the agricultural skills of local communities and provides economic opportunities through farmers markets and other activities



Bale Tetanen Unpad



Sustainable agricultural education in the community

Universitas Padjadjaran also promotes sustainable agriculture by conducting counselling attended by 65 participants consisting of village officials, all RW Heads in Patrolsari Village, and three representatives of farmer groups from each RW. This village produces agricultural commodities such as rice, corn, cassava, a number of fruit plants, and vegetables. With this sustainable agriculture, the community is **educated to reduce the use of chemical fertilisers**, which will later cause environmental damage.



LOCAL PRODUCT DEVELOPMENT FOR FOOD SECURITY

Food security is a condition in which all people have sufficient, safe, and nutritious access to the food needed to live a healthy and active life at all times. Food security is important because it has a broad impact on various aspects of life, including health, economy, social stability, and environmental sustainability. Universitas Padjadjaran has an approach that emphasises the utilisation and development of local food resources to meet the food needs of the community. This approach aims to create a more independent, sustainable, and resilient food system to external shocks, such as fluctuations in global food prices, climate change, and supply disruptions. In 2023, there will be several community outreaches for food security, such as processing shrimp shell waste into shrimp broth and dragon's foot snack products at Gerai Dalang Mugi Bojong Gebang, Pangandaran. In addition, food security in other areas seeks to optimise local potentials, such as cocoa bean skins, coffee, and milk production.





1,409

Number of graduates of agriculture, aquaculture, including sustainability aspect





SDG 3

GOOD HEALTH AND
WELL-BEING



The implementation of SDG 3 at Universitas Padjadjaran involves various initiatives that focus on improving the physical and mental health and well-being of the entire campus community, including students, lecturers, staff, and the surrounding community.

**RESEARCH IN
NUMBER
(2019 - 2023)**



2,110
Publication



1.31
Citation
Impact



19,181
Citation
Count

**UNIVERSITAS PADJADJARAN VACCINE
DEVELOPMENT TECHNOLOGY**



Universitas Padjadjaran has contributed to vaccine development, especially during the COVID-19 pandemic. This involvement shows Unpad's commitment to supporting national efforts to overcome health problems, both through research and development and collaboration with various parties. Universitas Padjadjaran plays an important role in vaccine development in Indonesia, especially through research collaboration, clinical trials, and education. With support from the government and various partners, Unpad continues to strive to strengthen its research and innovation capacity in the health sector, including the development of vaccines for various infectious diseases. This effort is in line with the university's mission to contribute to the welfare of society and advance science in Indonesia.

In 2023, the Head of the Saudi Arabian pharmaceutical company, Arabio, made A visit to the Unpad Central Lab to review various laboratory facilities of the PT. Biofarma network in the **Organization of Islamic Cooperation (OIC)** Center of Excellence on Vaccine and Biotechnology program. Not only exploring cooperation, in 2023, Universitas Padjadjaran also provided training to researchers from 8 OIC countries. A total of 10 researchers from eight countries participated in the COMSTECH-OIC Fellowship Program Internship Center of Excellence for Halal Vaccine and Biotechnology at the Central Laboratory of Universitas Padjadjaran.



In addition to health product innovation, Universitas Padjadjaran also provides health checks for the community every year. The public health check-up program held by the campus aims to improve the health quality of students, staff, and the community around the campus. This program not only functions as a preventive effort to prevent disease but also supports awareness of the importance of health and a healthy lifestyle. Unpad collaborates with the Faculty of Medicine, Faculty of Pharmacy, and Faculty of Nursing to organise social service activities in several areas in Bandung and Jatinangor. These activities include free health checks for the community, including checking blood pressure and blood sugar, and health counselling. In 2023, Universitas Padjadjaran continues to be committed to improving the health of the campus community and its surroundings through various health check-up programs, mental health services, vaccinations, and education about healthy lifestyles. These efforts not only improve the health of the campus community but also support the

health of the wider community, which is in line with Unpad's vision as an institution that actively contributes to the welfare of society.

BLOOD DONATION

Unpad held a Blood Donation activity and free health check-up, which was attended by the Unpad extended family. Routine blood donation is carried out by the Academic Community to help the community have blood available.



DENTAL HEALTH CHECK-UP

To commemorate its 66th Dies Natalis, Universitas Padjadjaran held the “Unpad Berbagi Smart Lansia” activity, which was held at the Dental and Oral Hospital complex of the Faculty of Dentistry, Unpad, Bandung. The team also had the opportunity to conduct education and dental and oral examinations at three nursing homes in Bandung City. The total number of elderly people who received dental and oral examination services at the three homes was 112 people. In other dental examination activities, Unpad targeted 750 registrants for free dental examinations in the context of the National Dental Health Month organised by the Faculty of Dentistry, Universitas Padjadjaran, together with the Dental and Oral Hospital (RSGM) Unpad and Unilever Indonesia on December 6–8, 2024. This number has been met during the three days of the BKGN implementation. Child patients themselves make up one-third of the total patients. Meanwhile, the number of patients with special needs is nine children and is handled in the Special Care Dentistry unit consisting of cleft and Down syndrome patients.



Education to the general public and school students is also always carried out to increase the number of healthy and prosperous lives. Another solution carried out by UNPAD, which is to provide free access to sports facilities, also has a very positive impact. Other things in the health sector, such as supporting reproductive health, mental health, and other physical health, are concerns of UNPAD in order to achieve the goal of a healthy and prosperous life. Group 1 from OKK Class 139 Universitas Padjadjaran carried out a social action regarding dental health at SDN Cibeusi, Sumedang, West Java. This social action aims to reduce dental problems in children, especially those aged 6 to 12 years.



862 Beneficiaries
of dental check up

FREE EYE EXAMINATION

Universitas Padjadjaran held a free eye examination in collaboration with Netra Eye Specialist Clinic Bandung. The event was held at the Unpad Rectorate Building, Jatinangor, on Tuesday, August 29, 2023. The event was attended by 200 participants who are part of the Unpad family. Previously, Unpad Berbagi has held various events, including dental and oral examinations, blood tests, and stroke prevention.

200 Beneficiaries
of eye check up

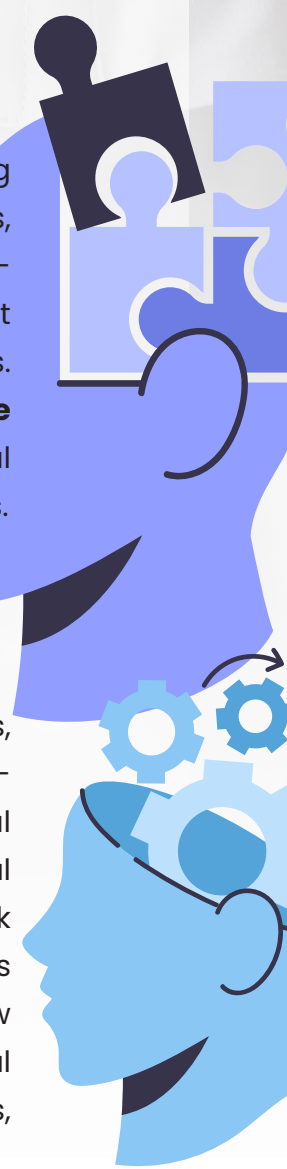


UNIVERSITAS PADJADJARAN CARES ABOUT MENTAL HEALTH.

Mental health is an important concern for Universitas Padjadjaran, which is working to create a healthy and supportive campus environment for all students, lecturers, and staff. Along with the increasing awareness of the importance of mental well-being, Unpad has implemented various mental health programs and services that aim to provide support, prevention, and management of mental health problems. Unpad provides psychological counselling services through the **Psychology Service Center**. Students, lecturers, and staff can access this service to get help with mental health problems such as stress, anxiety, depression, and other emotional problems.

MENTALIKA-LIKU, TALK SHOW AND STRESS RELEASE INSTALLATION

Students from the Public Relations Study Program, Faculty of Communication Sciences, Padjadjaran University held a mental health awareness event entitled "Mentalika-Liku". This event is specifically designed to provide students with insight into mental health, with the aim of raising awareness of the importance of maintaining mental health in the university environment. Mentalika-Liku 2023 carries an interactive talk show as one of its agendas so that the audience can get information from experts directly regarding mental health issues presented at this event. In the talk show agenda, Mentalika-Liku 2023 presents Nadhira Meindy, M. Psi, Psychologist, a Clinical Psychologist, as a resource person who will thoroughly discuss mental health issues, especially among students.





SDG 4

QUALITY EDUCATION

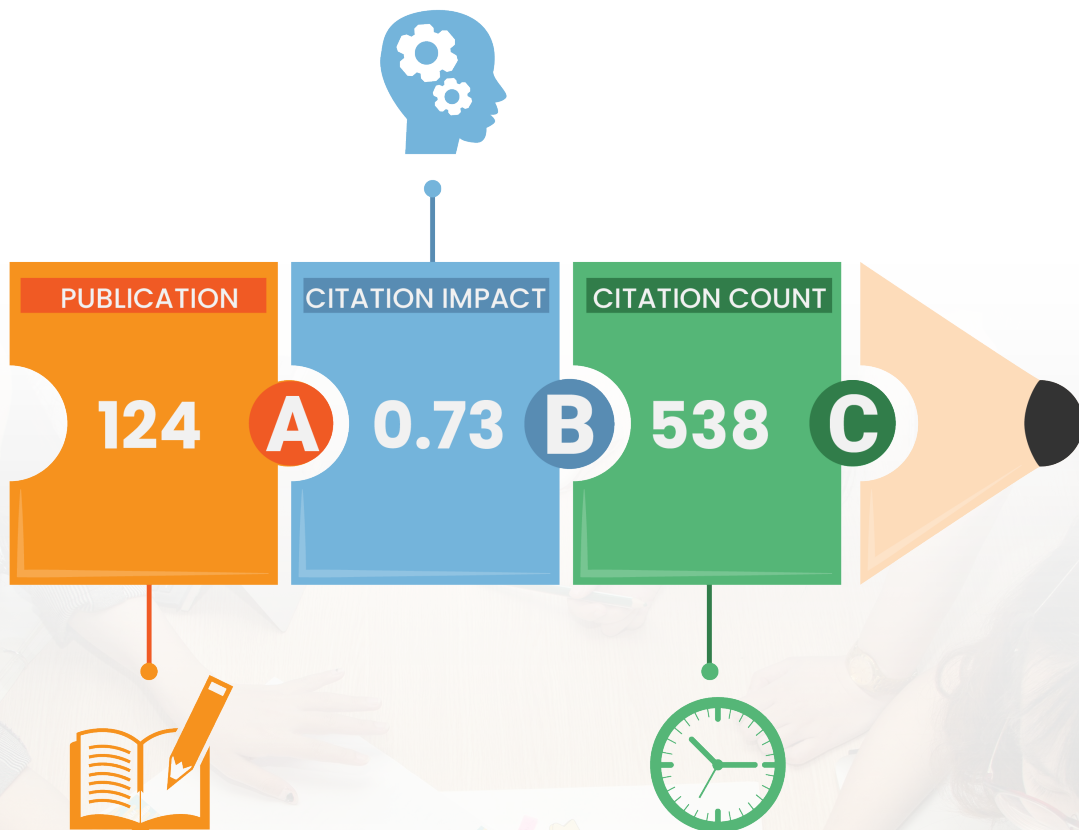




4 QUALITY EDUCATION

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

RESEARCH IN NUMBER (2019 – 2023)



Universitas Padjadjaran implements Sustainable Development Goal 4 – “Quality Education”

– through various strategies and initiatives aimed at ensuring inclusive, equitable, and quality education. In addition, Universitas Padjadjaran pays attention to the principle of “Lifelong Learning” with various initiatives and programs aimed at supporting continuous learning and skills development for students, alumni, and the general public.



32,501
NUMBER OF STUDENT

6,517
NUMBER OF STUDENT
STARTING DEGREE

SDGS EDUCATION AT UNIVERSITAS PADJADJARAN

Universitas Padjadjaran has committed to supporting the Sustainable Development Goals (SDGs) through various education, research, and community service programs. Unpad integrates SDGs values into the curriculum, academic activities, and campus initiatives to make a positive contribution to various aspects of sustainable development.

Unpad has integrated SDGs into the educational curriculum in various faculties. In 2023, the Faculty of Economics and Business, together with the SDGs Center of Excellence, Universitas Padjadjaran, held a public lecture by presenting a number of Leiden University academics at Bale Sawala, Rectorate Building, Unpad Jatinangor Campus, Wednesday (10/5/2023).

This activity themed “Sustainable Development Goals and Indicators with Input – Output” and “Southeast Asian Economies – A Long Run Perspective” is an interactive discussion forum with mature teaching materials so that it can be useful for both the participating academicians who attended.

The first speaker was the representative of the Institute of Environmental Sciences (CML) Leiden Chair, Leiden–Delft–Erasmus for Sustainability, Prof. Dr. Arnold Tukker. At the beginning, Prof. Tukker explained that the Multi-Regional Input–Output (MRIO) analysis is currently a well-established macroeconomic analysis tool used to assess effects across the complex ‘network’ of global economic interconnections. This analysis is also used to measure inputs and outcomes in the environmental sector, such as accounting for carbon emissions and biodiversity threats to the social sector and employment, and to enable the calculation of socio–environmental implications of global production and consumption.



HYBRID UNIVERSITY, ACCESS TO EDUCATION FOR ALL



Universitas Padjadjaran has implemented **MOOC (Massive Open Online Courses)** as part of its efforts to expand access to education and support lifelong learning. MOOC is a platform that allows participants from all over the world access to online courses openly and for free or at a very affordable cost. In 2023, Universitas Padjadjaran collaborated with MarkPlus Institute and Lokatekno Digital Indonesia. The collaboration was carried out in terms of organising the “Massive Open Online Course” or MOOC program as an effort to realise Unpad as a hybrid university. Carrying the themes of Upskilling, Hybrid, and Flexible, this platform is not only part of the degree lecture process but also provides various certified non-degree course modules. In strengthening efforts towards a hybrid university, as an education and training business unit of MarkPlus, Inc., MarkPlus Institute collaborates with Unpad in an effort to bring MOOC so that it can develop programs sustainably.



UNIVERSITAS PADJADJARAN HOSTS ASEAN HIGHER EDUCATION CONFERENCE 2023



ASEAN Higher Education Conference 2023 is an important event held to discuss various current issues and trends in higher education in the Southeast Asia region. This conference usually involves stakeholders from universities, educational institutions, governments, and the private sector and aims to advance cooperation and innovation in the field of higher education. There are three main focuses raised in AHEC 2023, namely, concerning innovation and digital transformation, connectivity with industry, and resilience and sustainability. The event in the Side Event program is filled with the ASEAN Alumni Meeting. This activity is a meeting of alumni of universities in ASEAN to support improving the quality of higher education in ASEAN.

Meanwhile, the education and innovation exhibition event will be attended by 154 participants consisting of universities, educational and research institutions, and industries from all over the ASEAN region. To increase collaboration, this exhibition will also be filled with a Matchmaking Forum to bring together universities and industries in ASEAN.

Universitas Padjadjaran offers superior certification through a leading certification institution.



PT. Lentera Semesta Universitas Padjadjaran



Universitas Padjadjaran has established a new subsidiary called PT. Lentera Semesta Universitas Padjadjaran. This subsidiary was established to bridge the science and academics at Unpad with the industrial sector. The establishment of this subsidiary was carried out as an effort to expand Unpad in the fields of education, research, studies, and training. In addition, this company will also be a hub for Unpad to collaborate with well-known companies. This company will provide services in the form of certified professional training online or offline that can be accessed by all professional groups.

5 GENDER
EQUALITY

SDG 5

GENDER EQUALITY



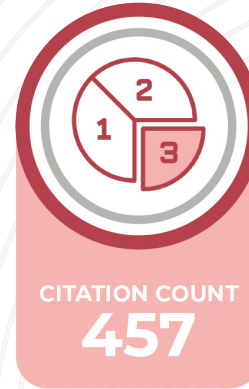




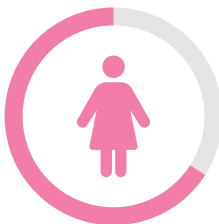
SDG 5 GENDER EQUALITY

Universitas Padjadjaran has committed to supporting and implementing SDG 5 through various initiatives and programs aimed at improving gender equality in the campus and community environment.

RESEARCH IN NUMBER (2019 - 2023)



UNPAD FULLY SUPPORTS GENDER EQUALITY AND WOMEN'S RIGHTS TO ACHIEVE



CAMPUS LEADER

45% Campus Leaders are Female

CAMPUS STUDENTS

51% Female Students



Gender equality is an issue that continues to be fought for by women around the world. Although this issue has not been achieved in some aspects, Universitas Padjadjaran has been and is even “accustomed to” implementing gender equality in campus management. Unpad Chancellor Prof. Rina Indriastuti said that of the total 662 management officials in Unpad, from the university leadership level to the study program, 45 percent of them are women. This figure then received appreciation from the Public Information Commission as the university with the largest number of female leaders in Indonesia. In addition to a large number of female leaders, data as of March 2, 2023, shows that 51 per cent of the total Unpad students are women. Indirectly, this reflects that Unpad fully supports the realisation of gender equality.



According to the Chancellor, the opportunity for women to play a role and achieve is not as easy as for men. There are many challenges faced in achieving the desired achievements, especially in terms of self- and family responsibilities. Furthermore, the first female Chancellor at Unpad explained that after commitment to responsibility, another important thing is environmental support from family, colleagues, and society. A good support system will make it easier for women to pursue careers and achieve. Therefore, the Chancellor defines gender equality as not just an effort by women to achieve equal achievements but also how the surrounding environment supports equality. Reflecting on the conditions at Unpad, the Chancellor reflected that many women who become management officials indicate that the campus environment is accustomed to supporting women who achieve.

COMMUNITY OUTREACH:

GIRLS SCHOOL IN JATIMUKTI VILLAGE



The Faculty of Nursing Team of Universitas Padjadjaran implemented the "Advanced and Empowered Women's School" or "Lampu Juara" program in Jatimukti Village, Jatinangor District, Sumedang Regency. This program has been running since July 2023 and was attended by 50 participants from the PKK Mothers of Jatimukti Village. Participants received training related to reproductive health, food nutrition, and handicraft skills.

This program aims to empower women in improving family welfare and reducing stunting and early marriage rates in the village. At the closing of the program held in the Suharyati Hall of the Faculty of Nursing, Unpad, participants received certificates, books, and teaching materials.

“

50
Women
Empowered

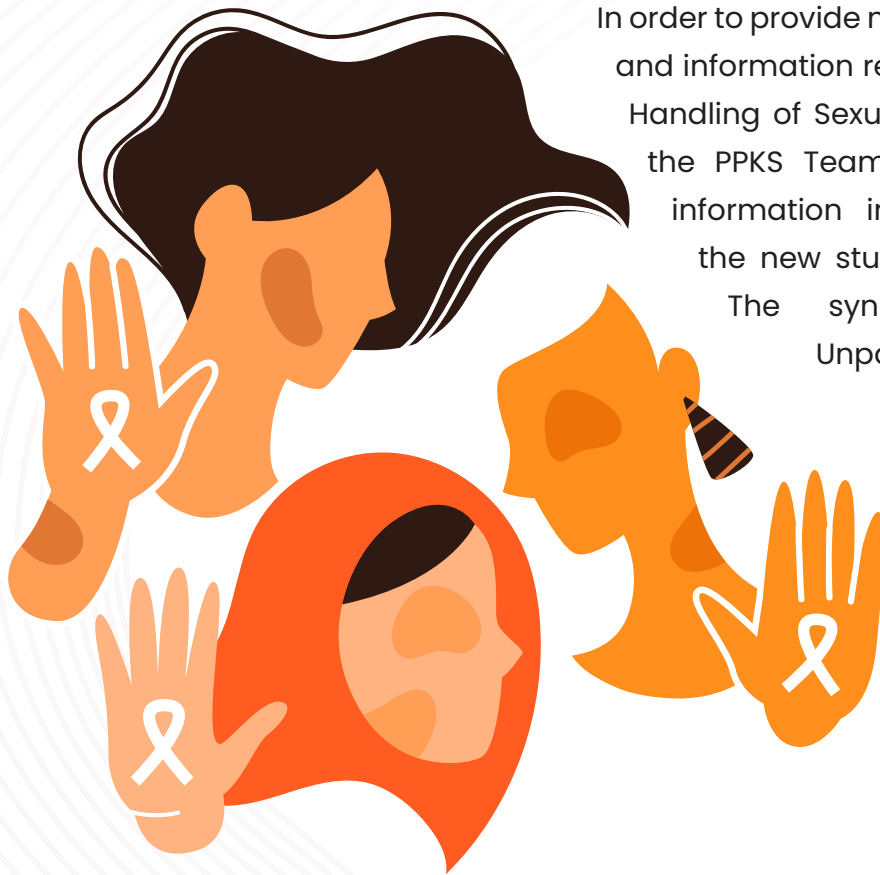
”

The Head of the PPK Ormawa Team, Vidya Diah Puspita, hopes that the graduates can apply and disseminate the knowledge they have gained. This program is also expected to be an example for other villages. Ida Maryati, the program supervisor, emphasized that this program is part of the role of students as agents of change. Vice Dean Restuning Widiasih and Secretary of the Directorate of Student Affairs and Alumni Relations Ofiar Murwanti appreciated the success of the program, and village representative Cahyadi expressed his hope that this program would help reduce stunting rates in his area.



TASK FORCE FOR PREVENTION AND HANDLING OF SEXUAL VIOLENCE (SATGAS PPKS) OF UNIVERSITAS PADJADJARAN AND FACULTY INITIATIVES IN PREVENTING SEXUAL VIOLENCE

The Task Force for Prevention and Handling of Sexual Violence (Satgas PPKS) of Universitas Padjadjaran is a team formed to prevent and handle cases of sexual violence on the Unpad campus. This task force is tasked with carrying out various functions, such as compiling prevention guidelines, conducting sexual violence surveys every six months, disseminating education related to gender equality and sexual health, and following up on reports of sexual violence.



In order to provide more in-depth education and information related to Prevention and Handling of Sexual Violence on campus, the PPKS Team actively disseminates information in the Faculties during the new student orientation period.

The synergy between PPKS Unpad and the Faculties is well established.

The Faculties have several initiatives such as the FEB Crisis Center, Faperta Help Center, Care FKEP, and various other faculty initiatives.

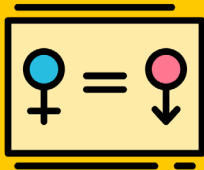
**STOP VIOLENCE
AGAINST WOMEN**

5 GENDER EQUALITY

Achieve gender equality and empower all women and girls

GENDER CLASS 2023 AND VARIOUS DISCUSSIONS ABOUT GENDER

Gender education is essential because it plays a role in building a more just, equal, and inclusive society. Gender education helps challenge stereotypes and social norms that limit traditional gender roles. It allows women and men, as well as individuals with other gender identities, to have equal opportunities in various aspects of life, including education, employment, and politics. By understanding gender issues, people are more aware of the negative impacts of gender-based violence, such as harassment, domestic violence, and discrimination. Gender education can help prevent and reduce incidents of this violence by building a culture of mutual respect.



Semacam Komunikasi Informasi Edukasi

In 2023, Gender Class 2023 will return as a heated discussion forum on gender issues in Indonesia, with the aim of providing a basic understanding of this topic. This event consists of three series that will take place over six days in November 2023. Gender Class 2023 focuses on important topics around gender-related rights, access, laws, and services. Saturday, November 11, 2023: SOGIESC (Sexual Orientation, Gender Identity and Expression, and Sex Characteristics)

“ ”

- Sunday, November 12, 2023: Feminism 101
- Saturday, November 18, 2023: 10 Reproductive Health Rights
- Sunday, November 19, 2023: Reproductive and Sexual Health Rights and Access
- Saturday, November 25, 2023: Legal Framework & Accessing Justice
- Sunday, November 26, 2023: Gender Recovery & Social Services



SEXUAL HARASSMENT ON CAMPUS

Menumbuhkan Kesadaran Tentang Bahaya Kekerasan Seksual Verbal dan Non Verbal

MODERATOR
NISRINA NUR A.

NARASUMBER
Antik Bintari
Ketua Satgas PPKS Unpad

NARASUMBER
Deyla F. Khairunnisa, M.Psi.,
Psikolog Klinis

FREE REGISTRATION

Minggu, 28 Mei 2023
Pukul 13:00 WIB - selesai
Amphi Gedung 4, Fakultas Peternakan Unpad



SDG 6

CLEAN WATER AND SANITATION







157
PUBLICATION



0.75
CITATION IMPACT



675
CITATION COUNT

RESEARCH IN NUMBER (2019-2023)

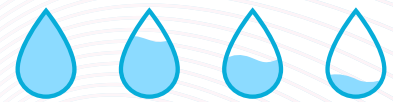
CIKAHURIPAN: UNPAD'S CLEAN WATER INITIATIVE FOR HEALTH AND SUSTAINABILITY

Providing free drinking water on campus is an important initiative that supports student health, reduces plastic waste from single-use bottles, and promotes environmental sustainability. Universitas Padjadjaran implements SDG 6 through various initiatives and programs aimed at improving access and management of water resources and sanitation. In 2023, 16 Cikahuripan facilities were built in 14 locations, such as nine faculties and five supporting facilities, including the Unpad Central Library, commonly known as Grha Kandaga. At this location, Cikahuripan facilities are located inside and outside the building.

Clean water is a right that must be accessed by everyone. The Cikahuripan Program of Universitas Padjadjaran provides free drinking water as an initial step to address sanitation and clean water problems on campus, supporting sustainable development goals six related to access to clean water and safe sanitation for all. Gender education can help prevent and reduce incidents of this violence by building a culture of mutual respect.



 | **14** LOCATION OF WATER STATIONS



ANDROID-BASED E. COLI DETECTOR BY UNPAD STUDENTS GETS GOVERNMENT SUPPORT TO REALIZE SAFE SANITATION

The innovation of a smartphone-based Escherichia coli (E. coli) bacteria detector created by a team of students from the Faculty of Medicine, Universitas Padjadjaran, has been noticed by the Ministry of National Development Planning/Bappenas of the Republic of Indonesia. They received a special invitation to the Discussion on Innovation in Safe Drinking Water and Sanitation. The smartphone-based E. coli bacteria detector created by the FK team is easy, cheap, fast, and can be used repeatedly.

Normally, detecting E. coli takes 1 to 2 days using bacterial culture or PCR, which takes 20 minutes but can only be used once; this tool can be used many times because it is Android and Infrared-based, and it has a very fast detection time of under 5 seconds.

This innovation by students from the Faculty of Medicine received appreciation from the invited guests in the discussion. Several institutions, such as Bappenas, the Ministry of Health, AMPL, and UNICEF, want to support the development of this tool. Head of the Food Health Sub-Directorate Tutut Indra Wahyuni, SKM, M. Kes said that this detector tool, if mass-produced, would be useful in disease prevention. Meanwhile, the Director of Housing and Settlement Areas of Bappenas, Tri Dewi Virgiyanti, said that this tool has the potential to benefit many parties, such as hotels, restaurants, tourists, and street vendors. This tool will be a practical solution to ensure the safety of food consumption at various levels of society.



UNPAD INVITE STUDENTS TO CARE ABOUT WATER CONSERVATION

The KKNM Team of Universitas Padjadjaran in Tarumajaya Village, Kertasari, Bandung Regency, held a socialisation about caring for water and the environment at SDN Lembangsari, Tarumajaya Village, on July 27, 2023. Accompanied by Prof. Ida Widianingsih S.IP., M.A., Ph.D. as a field supervisor, this socialisation is one of a series of KKN-PPM activities with the topic "Community Involvement Program: Participatory Mapping of Water Resources". This activity was held to increase awareness among elementary school students about maintaining water quality by protecting the environment. In addition to socialisation, the team also conducted participatory mapping regarding water resources, water quality, land ownership, and so on as geographical information for Tarumajaya Village. Currently, the team is still collecting information and will develop it after data processing.





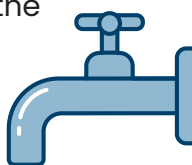
COMMUNITY OUTREACH : SUKAMULYA VILLAGE, HEALTHY VILLAGE OF SANITATION, CLEAN WATER AND NUTRITION

Sukamulya Village in Bandung Regency needs to improve its sanitation facilities to support public health and improve quality of life. Adequate access to sanitation is essential to prevent disease, reduce stunting rates, and create a clean and healthy environment. Sanitation improvement efforts in Sukamulya Village can also support the overall welfare of the community and contribute to sustainable development in the region.

Universitas Padjadjaran collaborates with Sukamulya Village in Bandung Regency to implement the MBKM program “Healthy Village Sanitation, Clean Water, and Nutrition”. This program includes the provision of sanitation facilities, clean water, and improving nutrition through socialisation and education activities for the community. It is hoped that this

program can create positive changes not only in terms of health, such as reducing stunting rates, but also have social impacts, environmental health, and improving community welfare. In addition, this program has the potential to become one of the drivers of the economy in the West Java region.

This program consists of several programs such as building hydroponic horticultural plant land, building fish ponds, improving public facilities for residents, and building drilled wells as a source of clean water for fish ponds. The construction of the well was based on the fact that the water quality in Sukamulya Village, especially in the river, had been polluted by industrial waste. The entire construction was funded by the Matching Fund-Kedaireka grant.

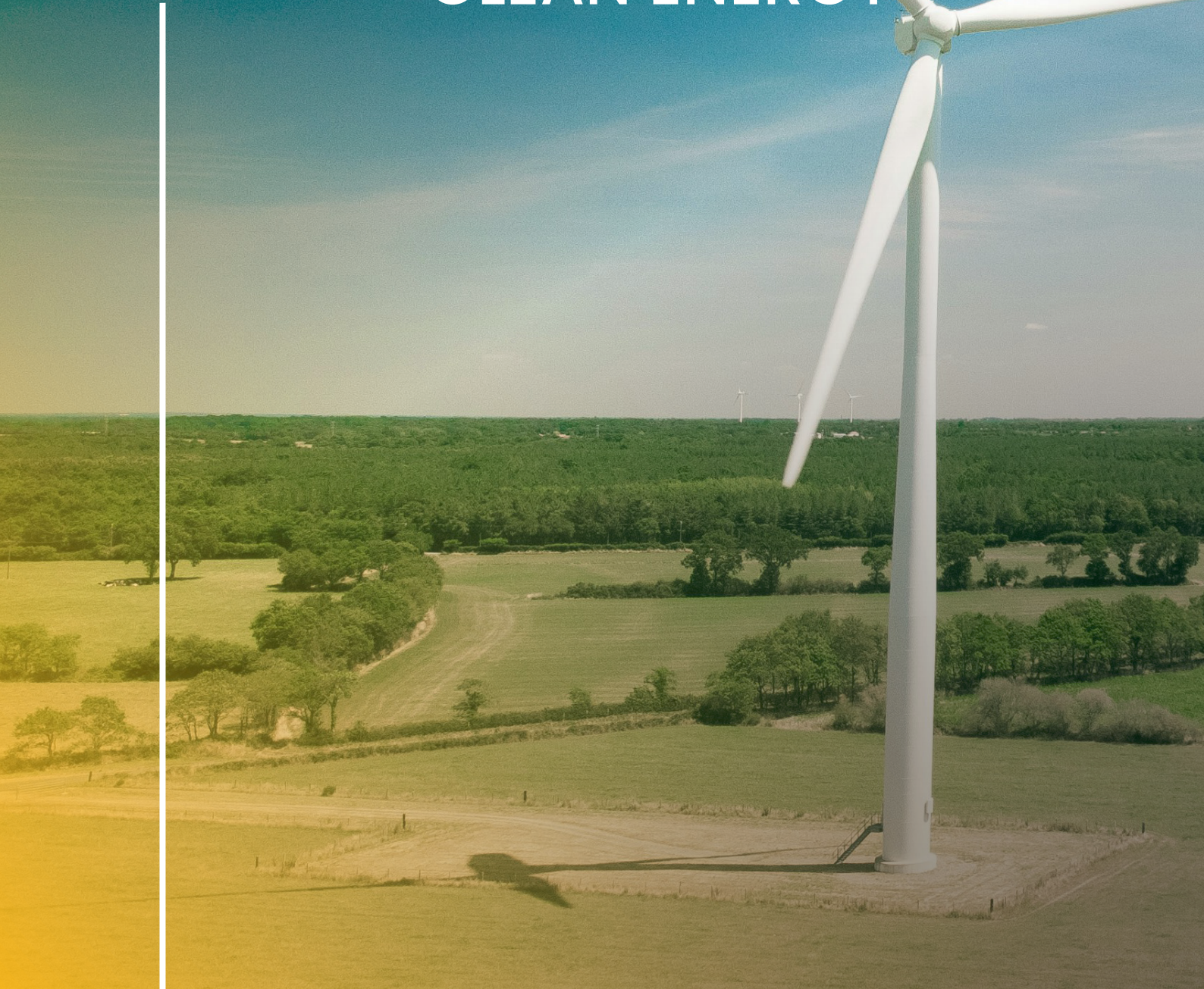


7 AFFORDABLE AND
CLEAN ENERGY



SDG 7

AFFORDABLE AND CLEAN ENERGY





Universitas Padjadjaran implements SDG 7 through various initiatives that support the use of efficient, sustainable, and environmentally friendly energy.

RESEARCH IN NUMBER
(2019-2023)

223

PUBLICATION



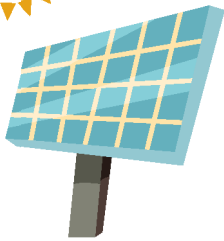
1.15

CITATION
IMPACT



1,153

CITATION
COUNT



200 SOLAR PANELS INSTALLED IN NEW SOLAR POWER GENERATION SYSTEM IN THE CAMPUS AREA OF UNIVERSITAS PADJADJARAN

Universitas Padjadjaran implements various strategies and practices to reduce negative impacts on the environment, promote sustainability, and create a healthy environment for students, lecturers, and staff. One of the campus' focuses is the efficient use of resources. By adopting environmentally friendly energy such as solar panels, Universitas Padjadjaran can reduce carbon emissions that contribute to climate change.

In 2023, Universitas Padjadjaran started an initiative to install solar panels as part of the campus' sustainability efforts and carbon footprint reduction. The goal of this initiative is to support global efforts in mitigating climate change by reducing carbon emissions generated from the use of conventional energy. In addition, the purpose of installing solar panels is to increase awareness of renewable energy among students and staff and provide educational and research facilities related to renewable energy.

The capacity of the solar panels produces a total electricity production of 350 kWh/day or equivalent to a savings of Rp323,750/day from the monthly bill of the State Electricity Company (PLN). Unpad is committed to always contributing to realising a Go Green campus. By utilising renewable energy from campus solar panels, Unpad has contributed to reducing carbon emissions equivalent to 335 Kg CO₂/day or equivalent to planting 18 trees/day.



127,750kWh
Saving / year with solar panel

500
Electric bikes



500 ELECTRIC BIKES IN UNIVERSITAS PADJADJARAN

Universitas Padjadjaran initiated the use of Beam electric vehicles as part of an effort to create a more environmentally friendly and sustainable campus. Beam Mobility itself is the largest micro-mobility company in the Asia Pacific. Officially, it launched an electric bicycle ride-sharing service on the Jatinangor campus, Sumedang, West Java. This initiative is a concrete step by Unpad in reducing carbon emissions and encouraging the use of green transportation technology among students, lecturers, and staff.

Universitas Padjadjaran operates 500 electric bikes on the Jatinangor campus equipped with Internet of Things technology features to monitor vehicle conditions directly. The procurement of electric bikes is an effort to facilitate the mobilisation of Unpad academics through transportation without emissions or vehicle exhaust fumes on campus. The system used is claimed to be able to automatically detect problems, such as when the user needs to replace the battery. Each fleet is also equipped with a backup battery.

The system used is claimed to be able to automatically detect problems, such as when the user needs to replace the battery. According to him, each fleet is also equipped with a backup battery. The electric bike sharing transportation service was signed on November 14, 2023. The electric bikes will be spread across 10 parking spots around the campus. Each unit is equipped with instructions for use and safety while driving.



COMMUNITY OUTREACH: TURN WASTE INTO BIOGAS

Livestock waste in Indonesia is still a problem because many people are reluctant to process it, causing environmental pollution. However, research related to the use of livestock waste as a renewable energy source is growing. Professor of the Faculty of Animal Husbandry, Universitas Padjadjaran, Prof. Dr Ir. Ellin Herlia, M.S., stated that biogas could be produced from a combination of livestock faeces and lignite (young coal). Lignite, although rarely used because it has low heat, can be used together with livestock faeces to produce methane gas, which has the potential to be a renewable energy source.

In the process, buffalo faeces and lignite coal are put into a 35 litre biogas digester. Then, it is dried to form a bioblock as a portable biogas substrate. Portable biogas can be used as an energy source for daily needs, especially for remote areas. One of the uses of biogas for the community is for cooking. Currently, this research continues to be developed, especially in terms of packaging and distribution.



PNRE UNIVERSITY OUTREACH & ENGAGEMENT

Energizing Future Talent



ENERGY AWARENESS WITH PERTAMINA NEW & RENEWABLE ENERGY

Renewable energy socialization is an important effort to increase public understanding, participation, and acceptance of the use of clean and sustainable energy. Therefore, Universitas Padjadjaran, in collaboration with Pertamina New & Renewable Energy (PNRE), held an activity themed "PNRE University Outreach & Engagement: Energizing Future Talent", which was held at Bale Sawala, Universitas Padjadjaran Rectorate Building, Jatinangor, on Thursday, March 16, 2023

Director of HR and Corporate Services PT. Pertamina Power Indonesia Said Reza Pahlevy said that the remaining amount of fuel oil reserves in Indonesia will only last for the next 7 years. Therefore, new and renewable energy is needed as an energy source in the future. Rahmat explained that the greatest potential for renewable energy in Indonesia is Geothermal. Unlike oil which will run out if it is used continuously, the amount of Geothermal will continue to increase when it is managed.

The PNRE University Outreach & Engagement event was also filled with the delivery of internship information for students and employee recruitment for Unpad graduates. Previously, a number of Unpad leaders held an audience with PNRE to explore various other potential collaboration possibilities.



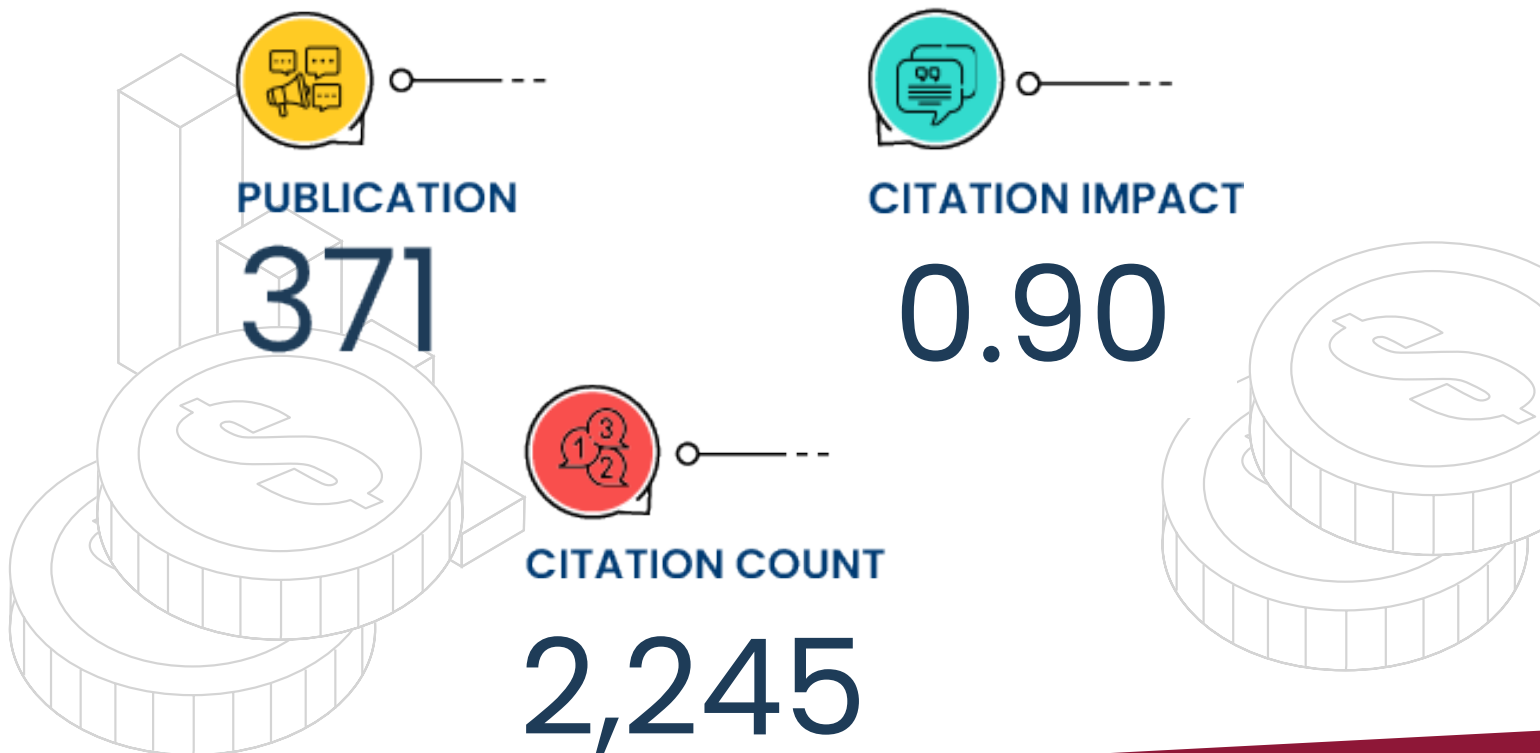
SDG 8

DECENT WORK AND
ECONOMIC GROWTH

Universitas Padjadjaran implements Sustainable Development Goal number 8, namely “Decent Work and Economic Growth,” with various initiatives that support inclusive and sustainable economic growth and promote decent work for all.

Unpad actively encourages entrepreneurship through various programs such as business incubators, business competitions, and entrepreneurship workshops. These programs provide opportunities for students to develop business ideas, get funding, and start their own businesses. Thus, Unpad supports the creation of new jobs and local economic growth.

RESEARCH BY NUMBER (2019–2023)





429 students participate in entrepreneurship training

UNPAD'S INDEPENDENT ENTREPRENEURSHIP PROGRAM SUCCESSFULLY INVITES 429 STUDENTS FROM ALL OVER INDONESIA

Universitas Padjadjaran is one of the hosts for the implementation of the Independent Entrepreneurship program of the Indonesian Ministry of Education, Culture, Research and Technology. A total of 429 students from 65 universities in Indonesia participated in the Unpad Independent Entrepreneurship program. Director of the Unpad Business Incubation Center/Oorange Rivani, M.M., DBA, explained that the Unpad Independent Entrepreneurship program was held to improve entrepreneurial competence among participants and increase the number of business actors at the national level. At Unpad itself, the Independent Entrepreneurship program is facilitated by 43 field supervisors and seven reviewer teams, and program funding comes from the Ministry of Education, Culture, Research and Technology and LPDP.

The achievements of the Unpad Independent Entrepreneurship program are an increase in the entrepreneurial competence of participants by 75 per cent and the achievement of conversion of 20 credits by 90 per cent at the original university. The conversion was carried out considering that this program is one of the implementations of the Independent Learning-Independent Campus policy. The Unpad Independent Entrepreneurship program itself is designed to be implemented for one semester. There are three stages of learning in the form of a business incubator program provided. First, pre-immersion of four credits. At this stage, students will receive material with the subject "Entrepreneurship Solving in Complex". The second stage is the immersion of 10 credits; the material provided is "Innovation and Development of Communication Design and Public Speaking Business Literacy". Third, post-immersion of six credits with the subject "Adaptation, Cooperation, and Collaboration of Financial Literacy and Information Technology Literacy".

COMMUNITY OUTREACH:

HELP MSMEs WITH
DIGITALIZATION OF
PAYMENTS AND FINANCIAL
REPORTS KEUANGAN



Unpad Pangandaran carried out outreach activities regarding the digitization of payments through the Quick Response Code Indonesian Standard (QRIS) to Micro, Small, and Medium Enterprises (MSMEs) in Cintaratu Village, Pangandaran Regency, on Tuesday, November 14, 2023.

The team consisting of 11 PSDKU Unpad Pangandaran students assessed that QRIS has become a trend in today's business world. They also saw the need to introduce this concept to MSMEs around the campus so that they can make better use of technology in managing their businesses. This activity lasted for approximately 2 months, namely from November to December 2023, starting with the planning stage to implementation.

Unpad students educated MSMEs about the importance of adopting technology, especially QRIS, to increase competitiveness and reach a wider market. By integrating QRIS, MSMEs can offer a more modern shopping experience and make transactions easier for consumers and students around the campus. In addition to conducting counselling, students also recorded MSME interest in QRIS and succeeded in inviting 11 MSME actors in Cintaratu Village to adopt this technology. This initiative is expected to help local MSMEs grow and develop, as well as create an inclusive and sustainable business ecosystem.

DISCOVER THE NEW WAY TO PAY





KANAL MEDIA UNPAD



EDUCATING MSMEs IN MEKARSARI VILLAGE ON THE IMPORTANCE OF FINANCIAL RECORDING

Mekarsari Village in Sukasari District, Sumedang Regency, has less than optimal economic potential due to the lack of knowledge about business management. Universitas Padjadjaran students who implemented the KKNM program in the village tried to improve the understanding of MSME actors about business management. This village is known for its typical products, such as giribig (bamboo mats) and mayit cakes (traditional cakes). Although giribig production has decreased due to the conversion to tarpaulin, this product is still made to order and even marketed to Cianjur. Mekarsari Village residents also have various jobs, such as garment tailors, livestock breeders, and labourers. Other villagers are included as business owners on a micro, small, and medium scale (MSMEs). The MSME sector, which is spread across Mekarsari Village, also tends to be diverse. One of them is a culinary business such as mayit cakes, chicken noodles, coconut ice, and fruits. Furthermore, the garment sector includes producers of vests and koko shirts.

The team found that many MSME actors in Mekarsari Village have not implemented financial records according to accounting standards. Based on interviews with

business actors who have been operating for dozens of years, many do not record expenses and income systematically, so profits are only known if there is a remaining budget. Some business managers also use a very simple recording system, which is often based on estimates. Proper financial recording is very important because it helps business owners know the level of profit and business development and facilitates planning to increase sales and minimize costs.

Training in Mekarsari Village was held for around fifty residents on how to prepare daily transactions, profit and loss reports, and financial position reports. The training began with a case study of a convection service business, followed by a guide to preparing reports according to accounting standards. Due to limitations in the use of technology, training was carried out manually with paper. However, the team also provided a module for digital bookkeeping using the BukuWarung Application, demonstrating the practical benefits of the application. The purpose of the training is to provide knowledge and form good and correct financial recording habits, both manually and digitally.

9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



SDG 9

INDUSTRY, INNOVATION
AND INFRASTRUCTURE





**RESEARCH BY NUMBER
(2019-2023)**



**PUBLICATION
250**



**CITATION IMPACT
0.94**



**CITATION COUNT
1,465**



BROCHURE DOWNLOAD

UPro

**Real-time PCR
PORCINE DETECTION KIT**

The UPro Real-time PCR PORCINE DETECTION KIT is designed for qualitative detection of porcine* in samples.

**Sus scrofa* (wild boar) and *Sus scrofa domestica* (pig)



Real-time based testing,
without electrophoresis



Fast results interpretation
and workflow process



Accurate, specific and
sensitive detection results



Multiplex test system for
variety of samples

Manufactured by :



PT Prodia Diagnostic Line

Kawasan Industri Jababeka III

Jl. Tekno 1 Blok C2 D-E-F, Cikarang, West Java 17530 - INDONESIA

Catalog No.

Content

42001

50 reactions

42002

100 reactions

KIT CONTENT

- 2x Probe Mastermix
- Primer 1 (Target)
- Primer 2 (Target)
- Probe 1 (Target)
- Probe 2 (Internal control)
- Nuclease Free Water
- Negative Control
- Positive Control
- Instruction for Use

PRODUCT INFO & ORDER CONTACT

M. +62 815-1359-2626

E. marketing@proline.co.id

W. www.proline.co.id

UPRO REAL TIME PCR PORCINE DETECTION KIT

UPro – Porcine Detection Kit product is a result of research from PHARCI in collaboration with Proline. Proline stands for Prodia Diagnostic Line, a business unit of Prodia Group engaged In Vitro Diagnostic (IVD) industry. Porcine is a scientific term to refer to pigs or to describe anything that resembles a pig. Porcine detection is one of the testing methods for pig contamination detection in food, cosmetics, and toiletries products that use pig derivatives, such as enzymes, gelatine, lard, and pork oil. Porcine is a remarkable substitution of pigs, blood clots, organs in pig animals, and food processing plants that use derivatives from pigs. The porcine detection kit contains reagents and materials for the extraction and isolation of DNA. The system itself uses Real-Time PCR (qPCR), which is a molecular technique with the basic mechanism of replication of DNA using enzymes, thus the amount of DNA inside the sample is able to be quantified. Real-time PCR has been used widely for detecting pig contamination inside food, cosmetics, and medication products. This method is proven to be valid, quick, and sensitive enough to detect the DNA of pigs contained in the products even in a small amount.

HIGH FLOW NASAL CANNULA (HFNC)

HFNC is a breathing device used to provide additional oxygen to patients with respiratory disorders. Dr. Reza Widiyanto Sudjud, dr. M. Kes., sp. An innovative product is used for neonatal patients or infants with respiratory disorders, such as acute respiratory distress syndrome (SGPA) or prematurity. This device is the first in Indonesia to meet international standards for HFNC products. This product has several advantages compared to conventional HFNC products, such as smaller size, easier to use, and better efficiency in delivering oxygen.

The availability of this product can help reduce the risk of death due to respiratory disorders in infants and neonates, as well as improve their quality of life. It is hoped that more hospitals and clinics will be able to provide better care for infants who need intensive respiratory care.



VARIOUS OTHER INNOVATIVE PRODUCTS

SCREEN PRINTED ELECTRODE

Screen printed electrode (SPE) is an electrode strip that contains three electrode lines: working electrode, reference electrode, and counter electrode.



TransGENE Reagen Transfeksi DNA



INNOVATION AND TECHNOLOGY EXHIBITION AT UNIVERSITAS PADJADJARAN

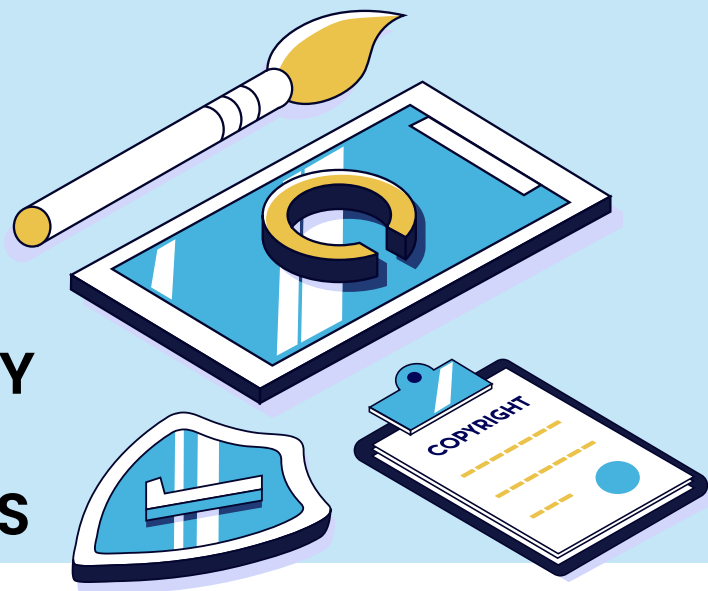
Universitas Padjadjaran held a Technology and Innovation Exhibition in the framework of the 36th PIMNAS on November 27-30, 2023, at the Futsal Field, Bale Santika. Carrying the theme "With Technology and Creativity for Advanced Indonesia," this exhibition focuses on sustainable technology with high innovation that has an impact on Indonesia's progress. This event is open to the public and showcases innovative products from various PIMNAS participating universities. This exhibition is a place to share information about innovative technologies produced throughout Indonesia, with award categories such as the Most Innovative, Creative, and Favourite Stands.



Most Innovative, Creative, and Favourite Stands.

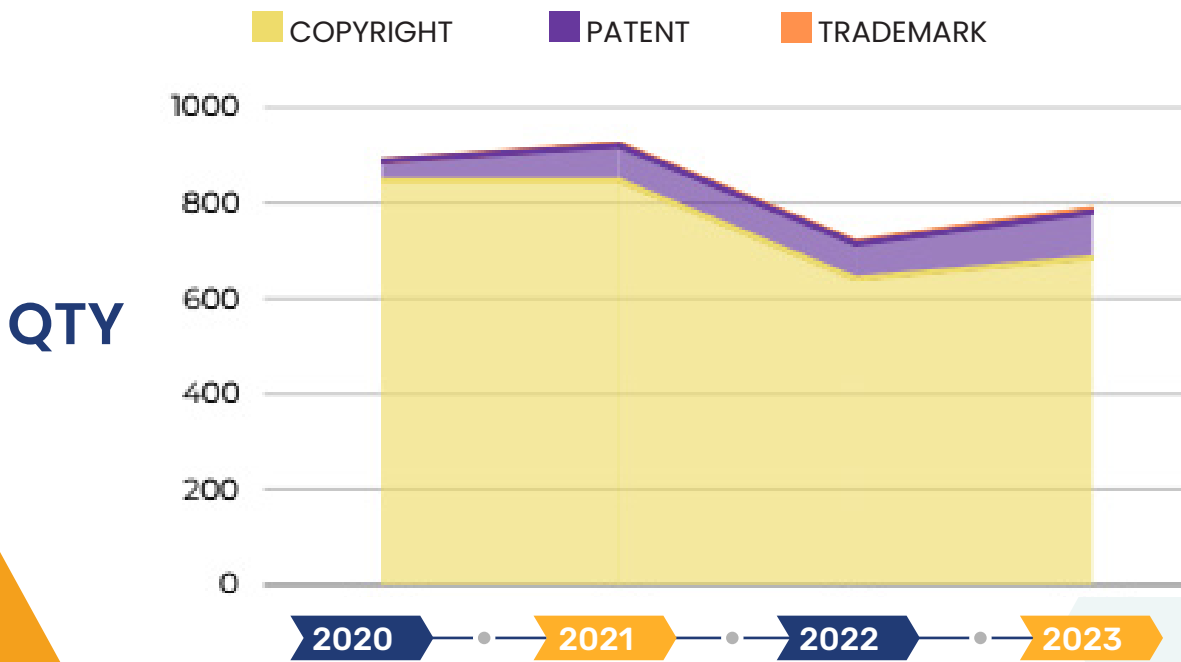
- 1** PTI 27
Blustru fruit activated carbon
- 2** PTI 05
HERO
- 3** PTI 37
Gensystem
- 4** PTI 28
Probiotic Spray
- 5** PTI 19
Inovkor Unpad Raw Ramie
- 6** SORASI
- 7** Inovkor Unpad Care Puspa
- 8** Mentalku Merdeka

DEVELOPMENT OF INTELLECTUAL PROPERTY RIGHTS AND UNPAD INNOVATION PRODUCTS

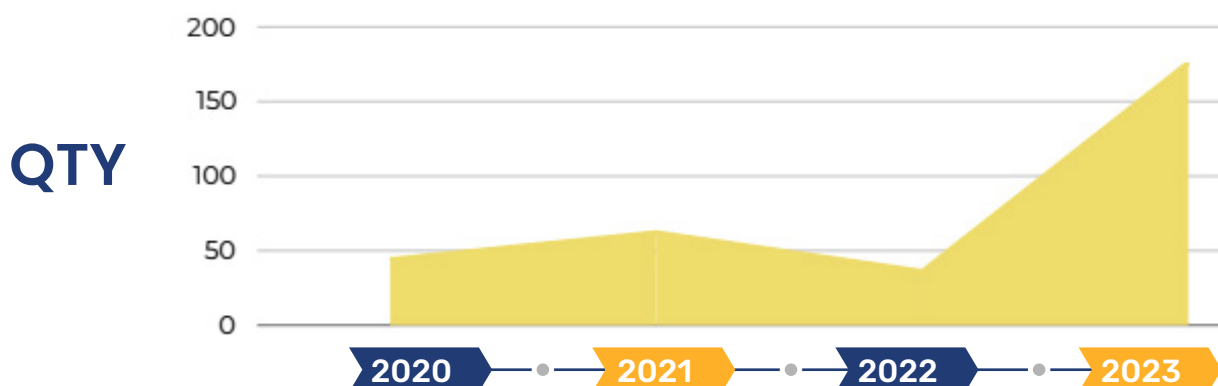


Universitas Padjadjaran continues to encourage the acceleration of research, innovation, and downstream carried out by academics. In addition to increasing scientific publications, Unpad focuses on downstream research by building an ecosystem that supports a clear research direction. Innovation is not only limited to the development of technology or tools but also includes community service products, policy recommendations, and innovative models. Unpad actively collaborates with industry, government, and higher education institutions both at home and abroad. In 2023, there were 176 products that had been downstreamed, with a total of 318 cumulative innovations from 2020 to 2023.

DEVELOPMENT OF INTELLECTUAL PROPERTY RIGHTS CHARTS



UNPAD INNOVATION PRODUCTS CHARTS



In addition, in 2023, as many as 16 teams consisting of lecturers from Universitas Padjadjaran received funding to collaborate with Industry through the Kedaireka Matching Fund Program funding scheme, a program from the Ministry of Education, Culture, Research, and Technology. This program has research priorities for Indonesia's economic transformation, namely Green Economy, Blue Economy, Digital Economy, Strengthening Tourism, and Health Independence. Through this program, lecturers, including those at Universitas Padjadjaran, are given the opportunity to collaborate to be able to produce creative works that are solution-oriented and innovative amidst the needs and challenges of society.

2023



176
Product
Downstreamed



195
Patents



685
Copyrights



7
Trademarks





SDG 10

REDUCED
INEQUALITIES





SDG 10

REDUCED
INEQUALITIES

RESEARCH BY NUMBER (2019–2023)



HARMONY FESTIVAL WITH DISABILITIES (FORMATION)



Universitas Padjadjaran held the Festival Harmoni Bersama Disabilitas (Formasi) on September 6, 2023, to celebrate its 66th Dies Natalis at the Auditorium of the Faculty of Communication Sciences, Jatinangor. The event, themed "Breaking Barriers, Reaching Aspirations," aimed to boost optimism among people with disabilities and showcase their talents. The festival featured a talk show with Agustina Sondjaja from Pertuni Jawa Barat, Endang Saeful Munir from Bala Vision, and Dr. Irma Ruslina Defi from FK Unpad, moderated by Dr. Herlina Agustin and Gema Gumelar. The program also included workshops, exhibitions, and performances by people with disabilities. The talk show was moderated by Dr Herlina Agustin from Fikom Unpad and Gema Gumelar from the Indonesian Schizophrenia Care Community of West Java. In addition to the talk show, there were workshops, exhibitions, and art performances by friends with disabilities. Vice Chancellor of Unpad, Prof. Yanyan M. Yani, officially opened the event and said that this is part of the implementation of the slogan of Unpad's 66th Dies Natalis, which emphasizes excellence, harmony, and positive impact. This event aims to build an inclusive environment for all.

DEAF TALK



ONE STEP
INTO THE
DEAF WORLD



The Digital Archives Student Association (Himasipal) Unpad held a talk show entitled "Deaf Talk" with the theme "One Step into the Deaf World" on November 4, 2023 in Bandung. This event presented Nirna Nurlelah from the West Java Indonesian Sign Language Center (Pusbisindo) and Hasbi Ridha Illahi, a deaf student from the Unpad Digital Archives Study Program. The event aims to strengthen inclusivity and understanding of the deaf world.

Deaf Talk aims to provide a medium for students and the community to care about deaf friends, learn about their lives, and learn basic sign language. Hasbi, a deaf student at Unpad, shared his experiences in learning on campus. Nirna from Pusbisindo continued with a presentation about sign language. The event also included basic sign language classes, including an introduction to the alphabet and everyday vocabulary.

AWARD: DISABILITY-FRIENDLY PUBLIC INFORMATION SERVICES

Universitas Padjadjaran received recognition as a university that provides disability-friendly public information services. The award was presented by the Central Information Commission at the launch of the 2023 Public Information Openness Index (IKIP) and the Law on Public Information Openness in braille and audio versions.





PADJADJARAN MEDICAL CARE: COMMUNITY OUTREACH IN SCHOOL FOR CHILDREN WITH SPECIAL NEEDS



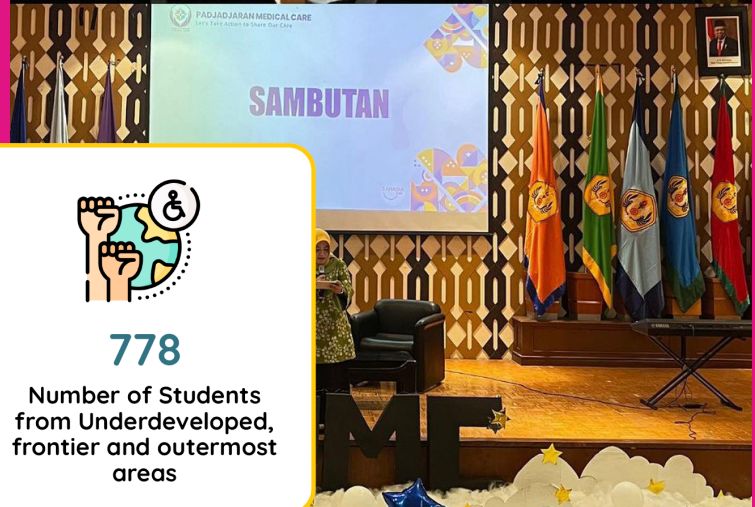
Padjadjaran Medical Care (PMC) is one of the work programs of the Advocacy and Social Community Department of BEM Kema Unpad, which aims to make Unpad an inclusive and disability-friendly campus. This program is carried out with three series of activities, namely pre-event, main event, and closing event. The closing ceremony of the Padjadjaran Medical Care (PMC) Program was attended by 60 students from SLB Raharja Mandiri Tanjungsari and SLB Az-Zakiyah, as well as Unpad students. Secretary of the Directorate of Student Affairs and Alumni Relations at Unpad, Ofiar Murwanti, expressed her support for the program, which can encourage Unpad to become an inclusive campus for people with disabilities. The Sumedang Regency Social Service, through Hj. Juju Julaeaha, also supports this program with the hope that the community can maintain social harmony. The head of the event, Thusiani Ramadhaniati, explained that this program aims to realize the goals of the Sustainable Development Goals (SDGs) points 3, 4, and 10, namely a healthy and prosperous life, quality education, and reduced inequality.



THE INFLUENCE OF SOCIAL SUPPORT ON PEOPLE WITH DISABILITIES

The event was enlivened by a talent show by students from Special Schools (SLB) and a talk show themed "The Influence of Social Support on People with Disabilities" with resource person Dr. Fitriani Yustikasari Lubis. At the end of the event, the committee gave a donation to both SLBs to support the needs of their students. During the event, the students displayed their various talents in the show, which was part of the event. In addition, this event also included a talk show themed "The Influence of Social Support on People with Disabilities and How to Provide Such Support," presented by Dr. Fitriani Yustikasari Lubis, M.Psi., Psychologist.

At the end of the event, the PMC committee gave donations that had been collected from Unpad students and the community to the two SLBs, which are expected to be used for the needs of the students there. This program is supported by Unpad and the Sumedang Regency Social Service with the aim of strengthening the commitment of an inclusive campus and supporting the objectives of the Sustainable Development Goals (SDGs).



7

Number of Students with Disabilities



6

Number of Staff with Disabilities



778

Number of Students from Underdeveloped, frontier and outermost areas

11 SUSTAINABLE CITIES
AND COMMUNITIES



SDG 11

SUSTAINABLE CITIES AND COMMUNITIES

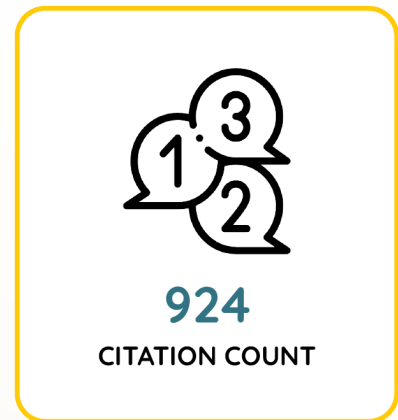
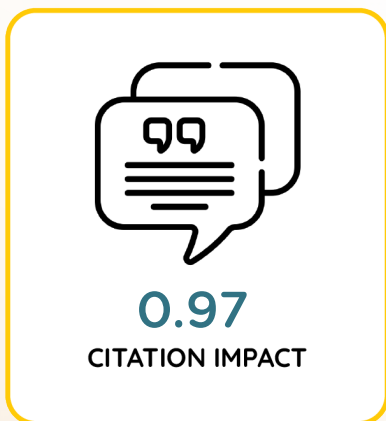




11 SUSTAINABLE CITIES AND COMMUNITIES

Make cities and human settlements
inclusive, safe, resilient and sustainable.

RESEARCH BY NUMBER (2019–2023)



Universitas Padjadjaran implements Sustainable Development Goal 11: Sustainable Cities and Communities with various initiatives that support inclusive, safe, resilient, and sustainable urban and rural development.



PADJADJARAN CONSISTENTLY MAINTAINS CULTURE

Universitas Padjadjaran is one of the few universities that consistently hold art performances during various campus activities. One of them is a performance-themed "Rumawat Padjadjaran", which showcases art and culture, both traditional and contemporary. At the end of 2023, Unpad will hold its 1000th Pidangan Rumawat, which means that 100 art performances have been held by Unpad over the past 15 years. The figure behind the consistency of the Rumawat Padjadjaran performance since 2008 is Prof. Ganjar Kurnia, when he served as the 10th Rector of Unpad who stated that Unpad has an obligation to ngamumule and develop Sundanese culture. This task was realized by utilizing a number of empty spaces on the Iwa Koesoemansoemantri Campus, which were developed into small performance buildings called "Bale Rumawat". From this building, various Rumawat Padjadjaran art performances were held once a month and even in other rooms on the Unpad Campus. Not only has the Rumawat Padjadjaran performance preserved Sundanese culture, but it has also staged

several modern/contemporary arts such as theatre performances, monologues, contemporary music concerts, and commemorating Youth Pledge Day with underground communities.

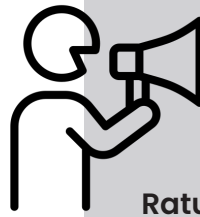
For the various art performances, a number of figures, academics, and students appreciate Unpad's consistency in organizing Rumawat Padjadjaran. Unpad Rector Prof. Rina Indiasuti also assessed that the Bale Rumawat activity is very good in efforts to preserve Sundanese culture so that it can internalize Sundanese values for the younger generation.





GARUT REGENCY GOVERNMENT PARTNERS WITH UNPAD TO MARKET WATER HYACINTH CRAFT PRODUCTS

The Garut Regency Government, West Java, is collaborating with the Universitas Padjadjaran business incubator institution to increase the marketing of water hyacinth craft products developed by the Situ Bagendit community, Banyuresmi District so that it can provide welfare for the local community. Head of the Promotion Development and Trade Cooperation Division of the Industry, Trade, and Energy and Mineral Resources Agency (Disperindag ESDM) of Garut Regency, Ratu Ayu Dinar Wira Pertiwi, explained that the water hyacinth plants found in abundance in Situ Bagendit can be used to make attractive and unique craft products. The local government has provided training to 50 local residents to make various craft products from water hyacinth. Although residents already have basic skills, further training is needed so that the products are neater and marketable.



Ratu said that this training will be supported by cooperation with Orange Unpad and banking to increase the capacity of business actors so that their products are attractive to investors and buyers. She hopes that this collaboration can expand business opportunities for water hyacinth products, such as bags, sandals, tissue holders, and others, which can become typical Situ Bagendit merchandise and improve the welfare of the local community. In addition to having artistic and economic value, this product also helps to overcome excessive water hyacinth growth in Situ Bagendit, thus beautifying the tourist area

SUNDA DIGI, AN APPLICATION TO LEARN SUNDANESE LANGUAGE AND CULTURE



Universitas Padjadjaran, through the Center for Digitalization and Development of Sundanese Culture, launched the Sunda Digi application. This application was created as a digital service regarding Sundanese literature that is publicised by the general public through the page <https://sundadigi.com>

The background of this digitalization is that many Sundanese archives have been lost and damaged or are difficult to open due to differences in technology. Many archives are also scattered among individuals and institutions. Therefore, Sunda Digi was created in collaboration with PDPBS Unpad and Pustaka Jaya. In Sunda Digi, there are features offered such as Ask Homework, Language Lessons, Practical Grammar, Get to Know Figures, Fiksimini, Magazines, Medical Dictionary, Sundanese Script, Translators, and several other features. According to the Head of the Center for Digitalization and Development of Sundanese Culture Unpad Prof. Ganjar Kurnia, Sunda Digi is an implementation of what is stated in Law No. 5 of 2017 concerning efforts to protect, develop, utilize, and foster culture in Indonesia.



In addition to having the Sundanese Cultural Development and Digitalization Center that preserves Sundanese manuscripts and songs. A total of around 250,000 thousand pages of Sundanese manuscripts and 40,000 Sundanese songs have been digitised and can be used for the development of Sundanese Culture. Not only that, the Unpad Student KKN Team also encourages the improvement of Sundanese through Digital literacy. The students who previously conducted a survey in Citengah Village, South Sumedang, found many obstacles experienced by parents when teaching Sundanese to their children. The obstacles encountered were the existence of language levels (undak-usuk) in Sundanese, which made parents hesitate and even afraid of teaching the wrong use of coarse language, which is often not realised, as well as the influence of technological developments. Based on the results of the survey, Unpad Students held a Discussion Forum called "Preserving Sundanese through Improving Digital Literacy for Children". With participants consisting of teachers and parents of Paud, Kindergarten, and Elementary School students, the resource person, Prof. Cece, who is a Professor of Linguistics at the Faculty of Cultural Sciences Unpad, delivered material on "Use of Sundanese in the Family Environment". The discussion was closed with the material "The Role of Digital Literacy in Preserving Sundanese Language" by Lecturer of Sebelas April University, Arip Budiman. By utilising technology intelligently and wisely, the community can expand the reach of preserving the Sundanese language.

SUSTAINABILITY COMMUNITIES

The student community of Universitas Padjadjaran, recipients of the YBM Brilian scholarship "Bright Scholarship Unpad" in collaboration with The Local Enablers, held a coaching activity themed "Design Thinking: How to Build a Social Project" on Saturday (5/8/2023). The activity, which was attended by 20 Unpad students, was filled with speakers from The Local Enablers Youth Facilitator Salman M.A.S. and The Local Enablers Communication Manager Umar. The materials explained included the stages of design thinking, namely empathise, define, ideate, prototype, and test, which have linear and non-linear uses. It was also explained that innovation has three related slices and must be met: Desirability (loved), Feasibility (feasible), and Viability (profitable).

UNPAD COMMUNITY EMPOWERMENT

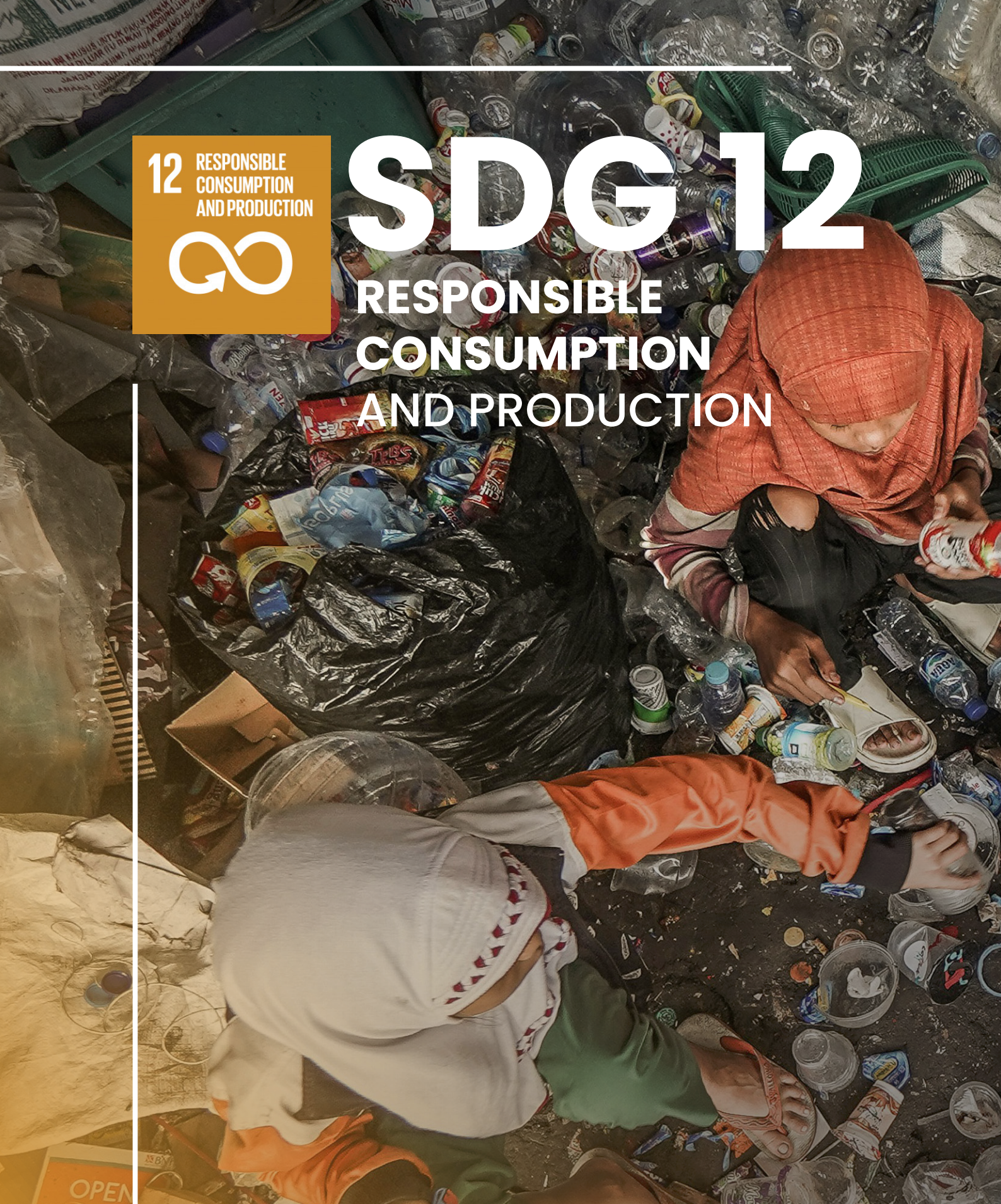


12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



SDG 12

RESPONSIBLE
CONSUMPTION
AND PRODUCTION





SDG 12

RESPONSIBLE CONSUMPTION
AND PRODUCTION

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

Ensure sustainable consumption and
production patterns

RESEARCH IN NUMBER 2019 - 2023



PUBLICATION

267



CITATION
COUNT

1,494



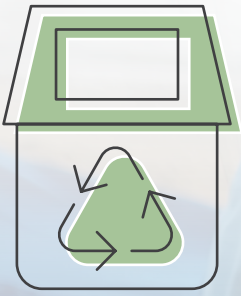
CITATION
IMPACT

0.82



INDEPENDENT WASTE PROCESSING BY UNIVERSITAS PADJADJARAN

Waste is a serious problem that requires comprehensive handling, including in a busy campus environment. If not managed properly, waste will pile up in landfills and damage the environment. Universitas Padjadjaran is committed to not contributing to environmental damage caused by waste. Since the mid-1990s, Unpad has managed its waste independently as part of the



implementation of the Basic Scientific Pattern "Developing Noble Law and the Environment in National Development." According to Dr. Teguh Husodo, M.Si, Head of the Unpad Center for Safety, Security, and Environmental Order, waste on campus comes from three sectors: offices and classes, canteens, and the natural environment, and consists of two types, namely liquid waste and solid waste.

At Unpad, there is a TPS3R, which has several waste processing methods. For organic waste, especially litter, it is processed using aerobic and anaerobic methods. In the aerobic process, litter is fermented by being piled up (dumping). Some of the litter that has undergone the aerobic process is taken to be processed into the anaerobic process. In this process, litter is combined with the bokashi system, which includes additional elements as nutrients from organic waste that will be fermented. Organic fertilizer will later be used by students for the fertilization process in the laboratory or fertilizing gardens in the Jatinangor campus area. However, fertilizer production is still limited, so the stock is still limited for use on campus.

Most of the food waste is taken as maggot feed and managed by Unpad students. The rest is mixed in the bokashi process. Meanwhile, inorganic waste in the form of plastic previously also entered the TPS3R to be chopped. The results of the chopped plastic were collected and purchased by plastic pellet entrepreneurs to be used as new plastic product materials. For B3 waste, Unpad does not have a permit to process it. Therefore, Unpad has partnered with a certified B3 waste processing company.

In addition to solid waste, several activities on campus also produce liquid waste. This liquid waste is divided into two, namely waste from campus operations and laboratory waste. Operational waste from campus activities, offices, and dormitories that come out through the septic tank then enters the biofilter. Water that does not enter the biofilter then comes out and directly seeps into the ground. Meanwhile, the sediment is sucked up for further processing by a third-party service. For laboratory liquid waste, it goes to the wastewater treatment plant (WWTP). Unpad has five WWTPs to accommodate laboratory waste. The wastewater from the five WWTPs then enters and is processed into the last WWTP at Ekoriparian Leuwi Padjadjaran before finally exiting into the arboretum lake.

COMMUNITY WASTE CARE ACTION

Unpad contributes to the reduction and campaign of waste cleanliness in the ocean. In various opportunities such as community service and student Real Work Lecture (KKN) activities. In addition to beach clean-up actions, there are educational activities as an action to care about beach cleanliness with the aim of increasing awareness among tourists and tourism managers.

One of the Unpad KKNM teams, namely Group 77 with Field Supervisor Donny Nurhamsyah, S.Kep, Ners., M.Kep. conducted education in the form of distributing pamphlets, which were the results of a previous survey regarding cleanliness and safety at Pangandaran Beach. Another KKNM team, guided by Dr Sunarto, M.Si in Pangandaran, also conducted a coastal clean-up of organic, inorganic, and B3 waste types. With these various actions, it is hoped that it can be used as an example for villagers to improve the quality of the beach so that its potential can be optimally utilised to support the local economy.

Several other areas where the Unpad academic community has attempted to clean up waste are the waste clean-up activities in the Cikapundung River in four areas, namely the Cipaganti River, the Cikapundung segment, Kampung Cibarani, and Plaza Cikapundung River Spot, and Cikapundung Regol which were organised



by the Fisheries Student Association, FPIK Unpad on September 16, 2023. On another occasion, students who participated in the Think Green 8.0 activity carried out the Zero Plastic Action program, which was held in the Pasar Minggu Jatinangor area near the Unpad Jatinangor campus. From this activity, the team managed to collect 1,815 kg of plastic waste and 27,015 kg of mixed waste.



1.815KG
waste collected from
beach clean up activities





ENVIRONMENTALLY FRIENDLY PLASTIC INNOVATION BY UNIVERSITAS PADJADJARAN LECTURER

A joint research team from Universitas Padjadjaran developed an environmentally friendly food packaging plastic (bio-packaging) made from shrimp shell waste and seaweed. This plastic is biodegradable, easily decomposes naturally, and is designed to reduce the accumulation of plastic food packaging waste.

The research, led by Dr Emma Rochima, M.Si, produces plastic from chitosan (from shrimp shells) and carrageenan (from *Kappaphycus alvarezii* seaweed). Chitosan functions as a food protector and antibacterial, while carrageenan becomes a polymer matrix. This plastic also uses nanotechnology with the addition of silica and zinc to prevent the entry of water vapour and microbes and increase transparency.

This biodegradable plastic is used to wrap chocolate bars without changing the taste, smell, or colour of the food and is able to decompose in the soil in 28 days. This research received a Kedaireka-Matching Fund 2023 grant and involved collaboration with various universities and industries through the Marine Biomaterials Research Collaboration Center. In addition to shrimp shells and seaweed, other materials such as crab shells, cassava starch, and fish skin waste are also used to make similar products, such as nanocomposite films, to extend the shelf life of fruits.



DOKUMENTASI
KEGIATAN

THINK GREEN 8.0 BEM KEMA UNPAD

PRABU 2023



THINK GREEN UNIVERSITAS PADJADJARAN, COMMUNITY THAT CARES ABOUT WASTE AT VARIOUS CAMPUS EVENTS

Thinkgreen Unpad is one of Universitas Padjadjaran's initiatives to increase awareness and participation of the campus community in waste management and environmental preservation. This program focuses on reducing, sorting, and processing waste in the campus environment, as well as encouraging environmentally friendly behaviour among students, lecturers, and campus staff.



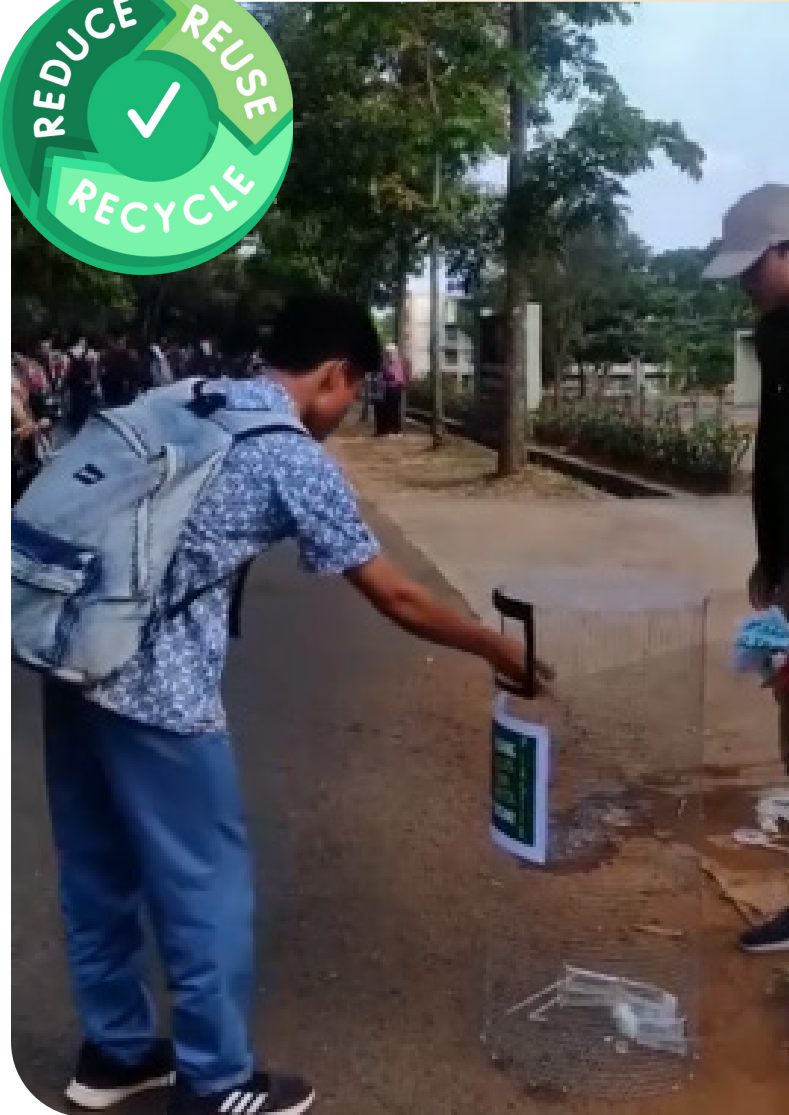
The Thinkgreen Unpad program has several main activities to improve waste management in the campus environment:

Environmental Awareness Campaign: Holding various campaigns such as workshops, seminars, and clean-up actions to increase awareness of the campus community about good waste management. This activity educates participants on how to reduce, recycle, and dispose of waste properly.

Waste Sorting at Source: Unpad provides separate trash bins for organic, inorganic, and recyclable waste throughout the campus area. The goal is to facilitate the waste management process and reduce the volume of waste that goes to the final disposal site.

One of the collaborations is Think Green 8.0, which collaborates with the 2023 FPIK Development Pattern to hold a plastic waste management campaign in the Faculty of Fisheries and Marine Sciences (FPIK), Universitas Padjadjaran. This activity highlights the importance of reducing the use of single-use plastic and encourages students to be wiser in using plastic and switch to more environmentally friendly materials. As part of the campaign, Think Green 8.0 and the 2023 FPIK Development Pattern facilitate the provision of special trash bins for plastic bottles and cups at various strategic points around FPIK. This initiative aims to reduce the amount of plastic waste that is carelessly disposed of and direct plastic waste to the right

recycling process. These trash bins are expected to be the first step in promoting environmentally conscious behaviour among students, especially new students who are still adjusting to the campus environment.





Degradasi Limbah Tekstil Methylene Blue

Menggunakan Nanokomposit TiO₂-BC Berbasis Sabut Kelapa Dengan Sonofotokatalisis Sebagai Upaya Mendukung Ekosistem Lingkungan Hijau

Abstrak



Data Badan Pusat Statistik (BPS) Indonesia tahun 2022, menunjukkan jumlah limbah tekstil di Indonesia yang berhasil dikelola hanya sebesar 13,04%. Methylene blue (MB) merupakan salah satu pewarna tekstil yang sering digunakan namun sulit terurai. Penggunaan MB dalam jangka panjang akan sangat berbahaya karena bersifat karsinogenik bagi manusia maupun lingkungan. Berdasarkan hal tersebut, penulis menggagas COCOMETH berupa biochar (BC) berbasis dasar sabut kelapa yang diimpregnasi TiO₂ untuk mendegradasi MB menggunakan metode sonofotokatalisis. Inovasi ini menerapkan green chemistry dengan prinsip "Solving Waste Using Waste" yang dapat menjadi solusi pengolahan MB. Hasil yang diharapkan adalah nanokomposit TiO₂-BC dengan pori dan luas permukaan yang besar serta diperoleh efisiensi degradasi limbah tekstil MB yang lebih tinggi dibandingkan biochar tanpa terimpregnasi TiO₂. Dalam gagasan ini juga didesain prototype yang dapat mengolah produk hasil pirolisis serta mendegradasi MB dari air limbah dalam skala kecil maupun industri secara efisien sebagai upaya mendukung ekosistem lingkungan hijau di Indonesia.

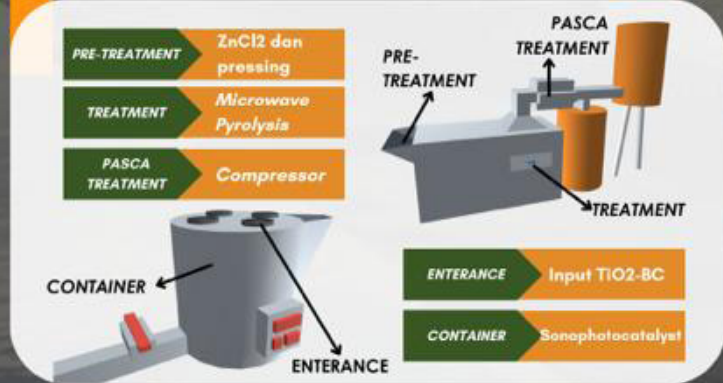
Kata Kunci: Biochar, methylene blue, sonofotokatalisis

Latar Belakang



- Produksi MB di industri tekstil mencapai 50% dari total limbah warna (Ariyanto, 2016)
- Pengolahan tekstil seperti adsorpsi dan lumpur aktif masih kurang efektif (Erawati et al., 2020)
- Limbah sabut kelapa sebanyak 6.500 ton belum terolah dengan baik (Anugrah et al., 2020)
- Potensi sonofotokatalisis sebagai metode degradasi senyawa organik yang lebih efektif (Wang & Cheng, 2023)

Prototype



Tujuan



- Menganalisis proses pembuatan nanokomposit TiO₂-BC menggunakan biochar berbasis limbah sabut kelapa.
- Menganalisis pengaruh impregnasi TiO₂ terhadap kualitas Biochar sebagai katalis.
- Menganalisis variabel optimum dalam mendegradasi MB metode sonofotokatalisis serta variabel pembuatan nanokomposit TiO₂-BC.

Hasil dan Pembahasan



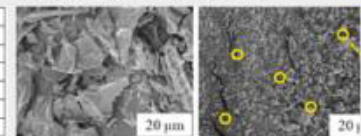
A. Komposisi Sabut Kelapa

83,7% Total Karbon, 8% Total Air, 0,5% Total Abu

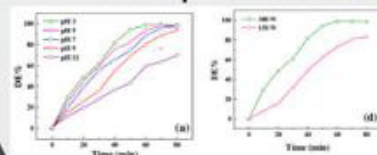
B. Standar SNI Biochar

Jenis Parameter	Nilai
Kadar Air	Maksimal 10%
Kadar Abu	Maksimal 15%
Kadar zat menguap	Maksimal 25%
Kadar karbon terikat	Minimal 60%
Daya serap terhadap iodum	Minimal 750 mg/g
Daya serap terhadap benzena	Minimal 20%

C. SEM BC vs TiO₂-BC



D. Variabel Optimum Sonofotokatalisis



300 W Daya, 3 pH, 99% Degradasi, 80 Menit

Metode Penulisan



- Identifikasi masalah
- Studi Literatur
- Pengolahan data
- Penyajian Data
- Perancangan Prototype

Kesimpulan



- Rendemen 94% biochar menggunakan microwave pyrolysis
- Impregnasi TiO₂ pada BC (1:2) meningkatkan kemampuan degradasi hingga 99%
- Kondisi optimum sonofotokatalisis yakni pH 3, 300 W, 60 menit



TEAM MEMBER
Raisya Fakhira Khairani
Luluatul Fuadatin Nafisah R.
Fahmi Nur Alim
Uji Pratomo (Dosen Pendamping)

SCAN ME!





DEGRADATION OF METHYLENE BLUE TEXTILE WASTE USING COCONUT FIBER-BASED TiO_2 -BC NANOCOMPOSITE WITH SONO PHOTOCATALYST AS AN EFFORT TO SUPPORT GREEN ENVIRONMENTAL ECOSYSTEM

Padjawara Team from Universitas Padjadjaran won first place in the 2023 Chemistry Innovation Project (CIP) competition with the Cocometh innovation, a coconut fibre-based biochar (BC) impregnated with TiO_2 to degrade methylene blue (MB), a carcinogenic textile dye. This innovation applies the green chemistry principle of "Solving Waste Using Waste" and is designed to increase the efficiency of MB textile waste degradation. Cocometh uses the sono photocatalysis method to efficiently process MB from water, both on a small and industrial scale. The prototype developed can process pyrolysis products and degrade MB with large pores and surface areas, offering a more effective textile waste processing solution.



13 CLIMATE ACTION



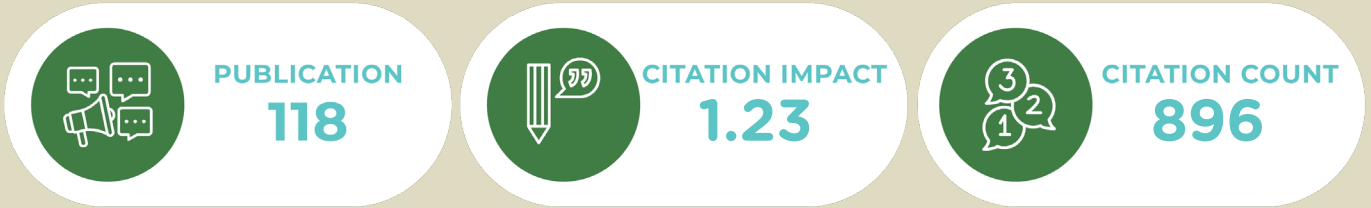
SDG 13

CLIMATE ACTION





RESEARCH IN NUMBER (2019–2023)



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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.

”



**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.



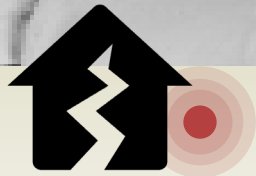


AWARENESS OF CLIMATE CHANGE

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.

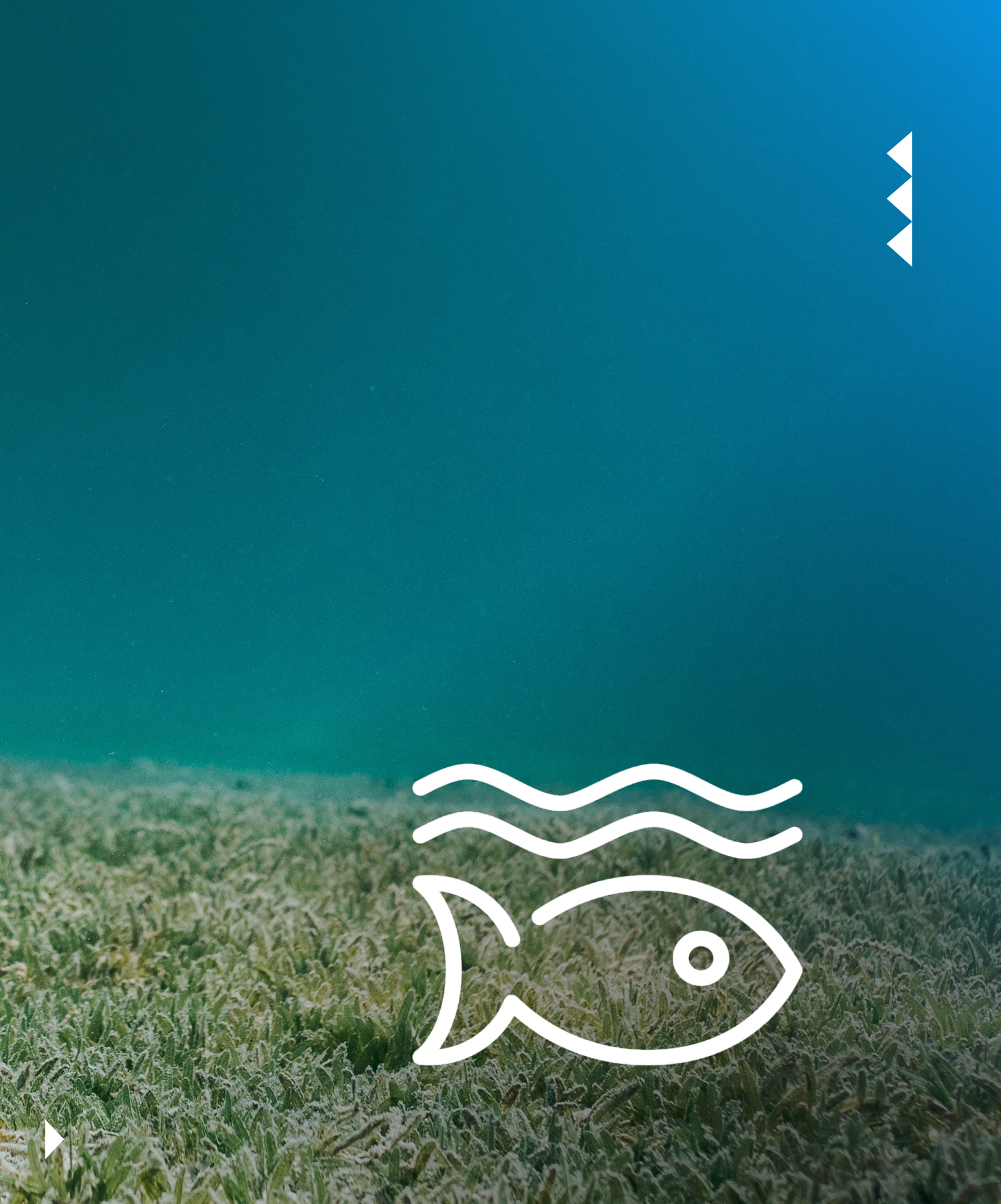
Head of the Emergency and Critical Nursing Department, Yanny Trisyani W S.Kp., MN., PhD, said that the manager of the course should increase awareness of disasters for the academic community and will be carried out periodically every year. This disaster simulation is designed with a real disaster management 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.



SDG 14

LIFE BELOW WATER







Universitas Padjadjaran plays an active role in supporting the Sustainable Development Goals (SDGs) 14, namely "Life Below Water," which focuses on the conservation and sustainable use of marine resources and aquatic ecosystems.

RESEARCH IN NUMBER (2019–2023)





UNPAD'S SUPPORT IN MARINE CONSERVATION BY RELEASING BABY TURTLES

A total of 17 KKN students and representatives of students from the Universitas Padjadjaran Marine Conservation Study Program released baby turtles to support marine conservation. The activity was carried out by releasing baby turtles (baby turtles) in the coastal area of Batu Hiu Beach, Pangandaran, on Saturday, January 14, 2023. The KKN activity, guided by the Field Supervisor, Dr. Dra. Titin Herawati, M.Si, focused on socialisation and education regarding turtle conservation efforts and their relationship to environmental carrying capacity and ended with the release of baby turtles by students at the end of the activity.

This baby turtle release activity aims to protect the preservation of this marine biota because its population is threatened with extinction. It should be noted that Batu Hiu Beach has nine turtle landing points. Unfortunately, the phenomenon of turtle landings is rarely found today, so appropriate conservation management efforts are needed. This release was carried out in collaboration with the Reksa Bintara Foundation. On this occasion, as many as 74 green hatchlings (*Chelonia mydas*) with an average weight of 25.93 mm and a length of 53.18 mm were released.

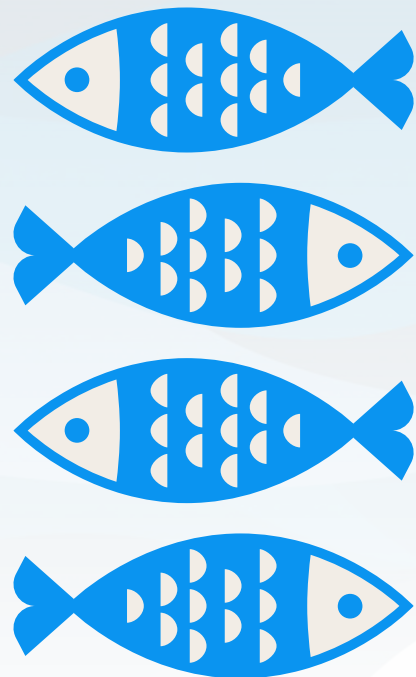
On another occasion, at Batu Hiu Beach, turtle conservation was also carried out by the Fisheries Student Association of FPIK Unpad together with Ocean Young Guards with the activity title "Sea Turtle Conservation Journey". This activity was carried out on August 19–20, 2023. This activity included not only the release of hatchlings but also making eco-bricks, planting vegetation, and cleaning the beach.



KARAMBA FPIK UNPAD DISTRIBUTED 15,000 FISH SEEDS IN THE JATIGEDE RESERVOIR

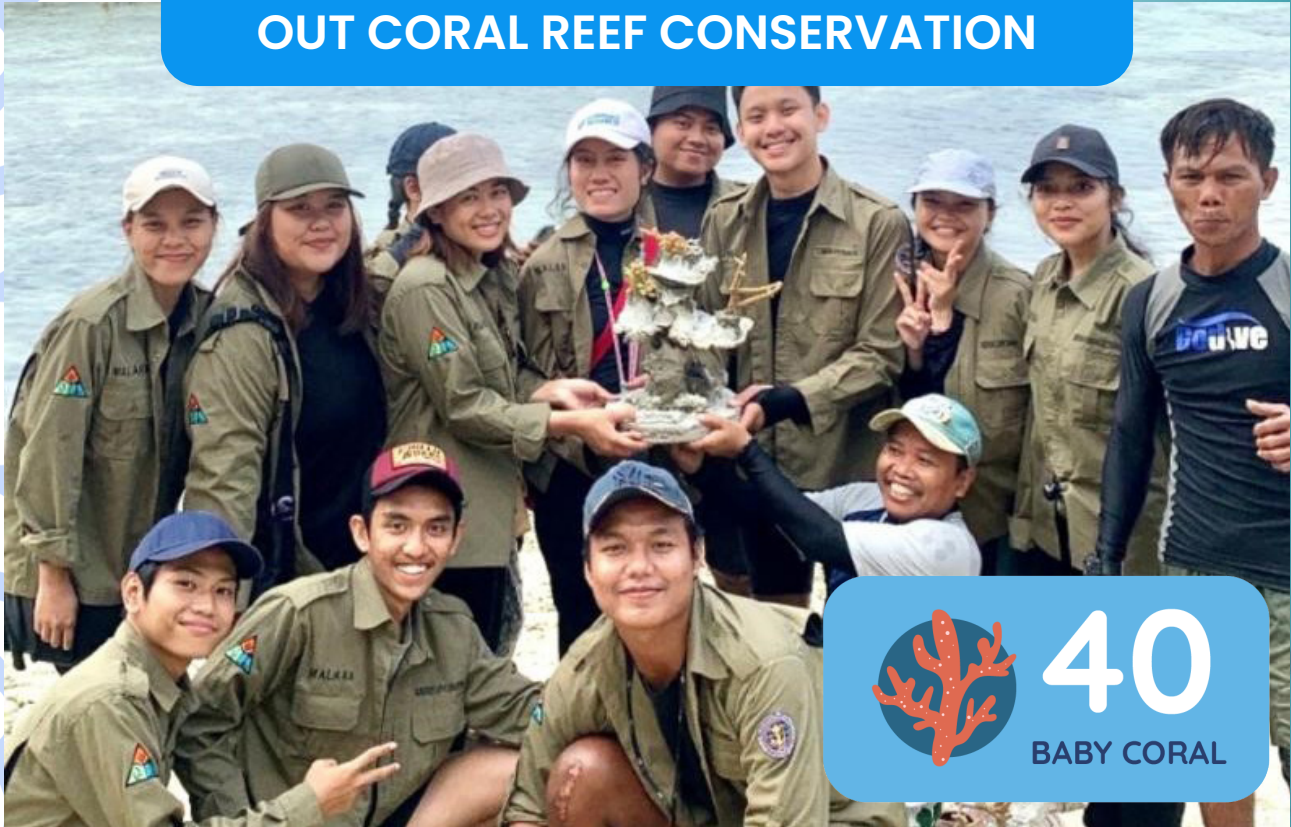


The Student Activity Unit of the Faculty of Fisheries and Marine Sciences, Unpad "Karamba", carried out a restocking activity at the Jatigede reservoir, Sumedang, on Sunday, May 7, 2023. Restocking activities are activities to increase the population of fish that previously existed in a body of water. This is done so that the population of fish living in these waters remains. The fish seeds that were distributed were film fish seeds, which were the result of collaboration with the West Java Provincial Marine Fisheries Service (DKP) and the Southern Region Marine Fisheries Service Branch (CDKPWS). Wawat Suwati, the Head of Sukamenak Village, expressed his gratitude to the students who had carried out the restocking activities so that it was hoped that it could improve the economy of the community around the Jatigede reservoir waters.



15,000
FISH SEED

UNIVERSITAS PADJADJARAN CARRIES OUT CORAL REEF CONSERVATION



The Mangrove Lamun Karang Community (Malaka) or a group of marine conservation and exploration students from the Faculty of Fisheries and Marine Sciences, Universitas Padjadjaran, commemorated National Marine Day with a series of activities focused on marine ecosystem conservation and education, July 1-3, 2023. Collaborating with the Ocean Young Guards FPIK Unpad and Relawan Kita Bisa, the commemoration of National Marine Day, which falls on July 2, 2023, was filled with various initiatives to contribute to the preservation of marine ecosystems.

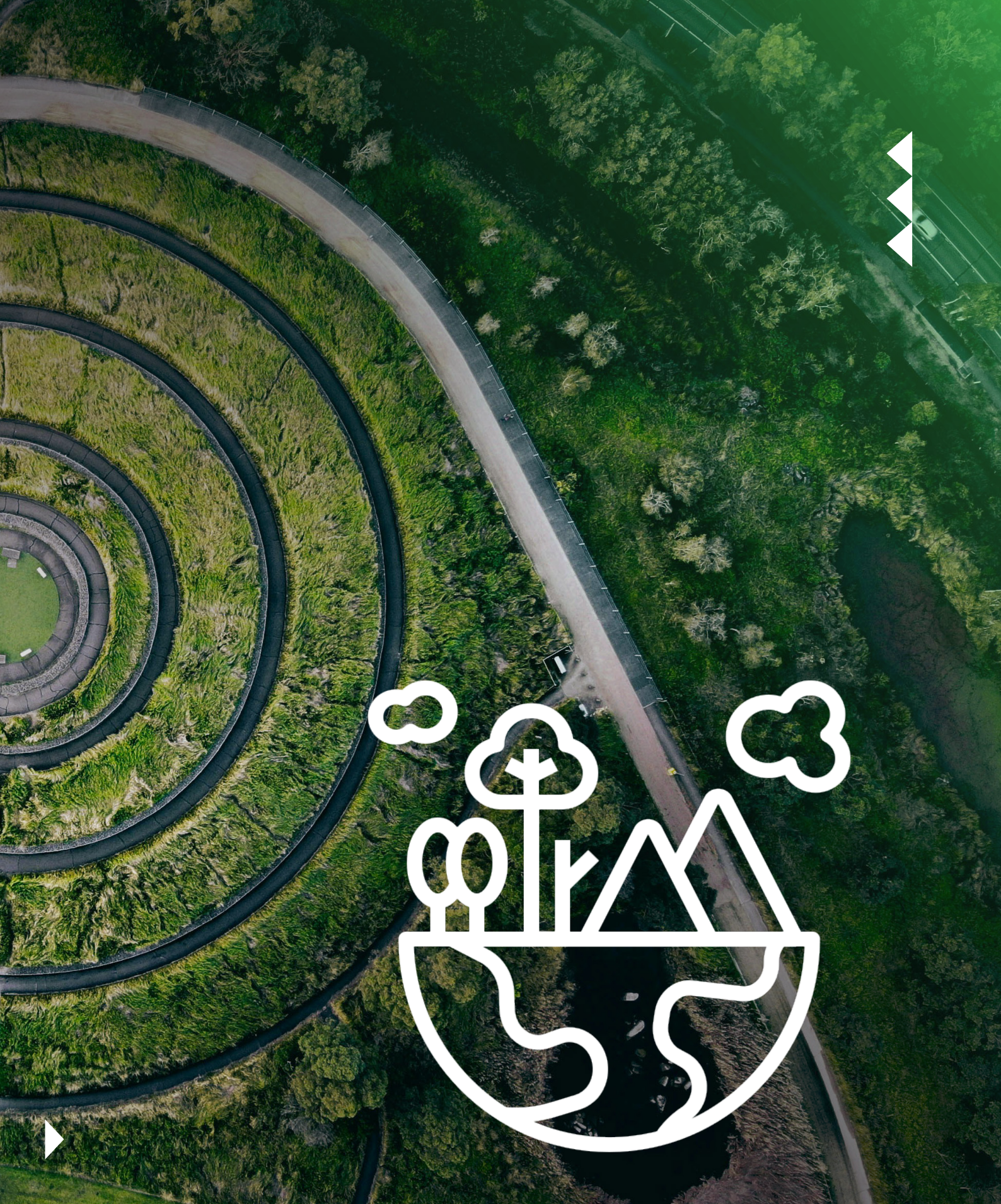
Marine conservation activities carried out on Kelapa Dua Island, Seribu Islands, involved coral reef transplantation, mangrove planting, educating island children about marine conservation, and field research related to mangrove, seagrass, and coral reef ecosystems. At the peak of the event, members of the Malaka Community, Ocean Young Guards, and Relawan Kita Bisa planted eight rocklife media and 40 baby corals in degraded areas to restore the health of marine ecosystems, provide important habitats for marine life, and increase biodiversity. The head of the Malaka Community, Aidin Fitrah Bachtiar, stated that this activity aims to restore and improve the health of the marine ecosystem.

15 LIFE ON LAND



SDG 15

LIFE ON LAND



SDG 15

LIFE ON LAND

RESEARCH IN NUMBER 2019-2023



Universitas Padjadjaran implements Sustainable Development Goal (SDG) 15, namely "Life on Land," which focuses on the protection, restoration, and sustainable use of terrestrial ecosystems.

PUBLICATION



166

CITATION IMPACT



1.03

CITATION COUNT



978



**150
TREES**

TREE PLANTING IN LEUWI PADJADJARAN

Universitas Padjadjaran in collaboration with PT Elnusa Tbk. Carried out a tree planting activity in the Leuwi Padjadjaran reservoir area on Wednesday, August 8, 2023. This activity is an implementation of Elnusa's Corporate Social Responsibility program in the environmental sector to Unpad, which also commemorates Elnusa's 54th Anniversary. A total of 250

tree seedlings consisting of 100 tabebuya trees, 50 ketapang kencana trees, 50 mataoa trees, and 50 mango trees were planted in the reservoir area. The symbolic handover of the trees was carried out by the Vice President of Human Capital, Elnusa Tbk. Agung Wahidin Wibisana to the Vice Chancellor for Research and Innovation Unpad Prof. Dr. Ir. Hendarmawan, M.S.



MANGROVE PLANTING AT KARANG TIRTA BEACH



170
VOLUNTEERS



1,000
TREE SEEDS

Every year, Unpad contributes to planting trees both on campus and off campus. In 2023, BEM FPIK Universitas Padjadjaran planted 1,000 Mangrove seedlings on Karang Tirta Beach. The activity entitled "Coastal Action" in the Pangandaran area was carried out on November 18, 2023.

Coastal Action is a mangrove seedling planting and coastal clean-up project which is part of a series of Think Green 8.0 activities. This is done as an effort to restore the benefits of the mangrove ecosystem and an effort to protect coastal areas in Pangandaran Regency from marine debris or waste in the sea.

This social action involved 170 FPIK Unpad students, farmer groups, Tanjung Cemara Karang Tirta managers, representatives of the Forestry Service Region VI branch office, and the Environmental and Sanitation Service (DLHK) of Pangandaran Regency. In this Coastal Action project, the team succeeded in planting 1,000 mangrove seedlings with 600 *Rhizophora mucronata* seedlings and 400 *Bruguiera gymnorrhiza* seedlings.



UNPAD'S CONTRIBUTION IN PREPARING THE GEOPARK IN BATUKARAS VILLAGE, CIJULANG, PANGANDARAN

The Universitas Padjadjaran KKNM Team group 120, placed in Batukaras Village, Cijulang, Pangandaran, carried out various programs to support the proposal of a geopark in Pangandaran. This activity was carried out with Field Supervisor Lecturer Prof. Dr. Ir. Nana Sulaksana, M.Sp.

The support provided was to increase the role of the community, both in supporting the proposal and being part of introducing the potential for tourism in Pangandaran. Training activities were carried out for tourism guides in the Batukaras area on July 18-19, 2023. Previously, students conducted an inventory of various tourism objects in Pangandaran. The result was that Batukaras Village was identified as having two potential geotourism objects, namely Legok Pari Beach and Cukang

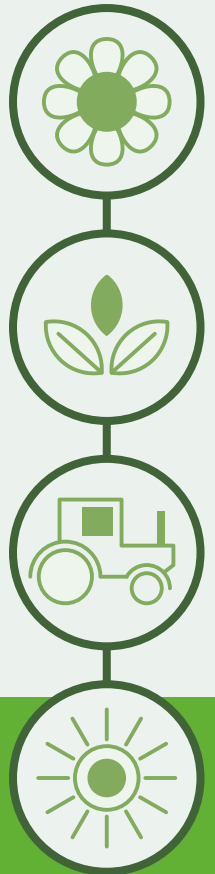
Taneuh or Green Canyon. This team also succeeded in collecting data on the economic potential and local wisdom of the Batukaras community.

The existence of this tourism object is the forerunner to the preparation of a candidate for a national geopark, which can later be proposed in the ranks of the global geopark network at Unesco. The KKNM activities integrated with the community service program under the coordination of Prof. Nana will last until August 11, 2023. However, the community service program carried out by the Faculty of Geological Engineering will last for three months.



ORGANIC FERTILISER, MAINTAINS SOIL FERTILITY

Universitas Padjadjaran launched the agricultural technology "Controlled Aerobic Rice Intensification Based on Organic" or "IPAT BO". The technology developed by Professor of the Faculty of Agriculture Unpad Prof. Dr Tualar Simarmata, Ir., M.S., makes rice plants "happy" so that they can produce a harvest of around 8 - 11 tons per hectare. The symbolic launch of the IPAT BO technology was carried out by Unpad Chancellor Prof. Rina Indiasuti in a joint harvest event held at the Agricultural Research, Training & Development Center (SPLPP) of the Faculty of Agriculture Unpad in Jelekong, Bandung Regency, Sunday (12/3/2023). When interviewed by the Unpad Media Channel, Prof. Tualar explained that the IPAT BO technology is a rice farming technology that prioritises the use of locally available organic materials, in this case, straw compost. This technology emphasises the integrated management of soil biological strength, water management, plant management, and organic-based fertilisation.



15 LIFE ON LAND

Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss.

16 PEACE, JUSTICE
AND STRONG
INSTITUTIONS



SDG 16

PEACE, JUSTICE
AND STRONG INSTITUTIONS





16 PEACE, JUSTICE AND STRONG INSTITUTIONS



RESEARCH IN NUMBER 2019-2023



PUBLICATION

205



**CITATION
IMPACT**

0.58



**CITATION
COUNT**

601



CONDUCT ADVOCACY BY PARTICIPATING IN HEARINGS AT THE INDONESIAN HOUSE OF REPRESENTATIVES

818
GRADUATE OF LAW

Several lecturers from the Library and Information Science Study Program, Faculty of Communication Sciences, Universitas Padjadjaran became speakers in the Public Hearing Meeting (RDPU) with the Working Committee for Literacy and Library Personnel Improvement (PLTP) of Commission X of the Indonesian House of Representatives which was held in the Meeting Room of Commission X of the Indonesian House of Representatives, Jakarta on Tuesday, June 20, 2023.

The RDPU participants representing the Library and Information Science Study Program, Faculty of Communication Sciences, Unpad, were Dr. Ute Lies Siti Khadijah, M.Sc., Dr. Elnovani Lusiana, S.Sos., M.Sc., Asep Saeful Rohman, S.Sos., M.I.Kom, and Andri Yanto, S.Sos., M.I.Kom. This Hearing discussed several main issues as topics of discussion, namely the opportunities and challenges of literacy and library personnel in Indonesia, support from universities for increasing literacy, a map of needs and absorption of graduates of the Library Science Study Program, as well as input and recommendations for policies to increase literacy and library personnel.

Based on the input and explanations provided by all speakers, the Working Committee for Literacy and Library Personnel Improvement (PLTP) of Commission X of the Indonesian House of Representatives is of the view that coordination and collaboration are needed between the Government, educational institutions, industry, and the community so that there is support for literacy program policies and librarians. Substantively, the input and explanations of all RDPU speakers will be an important reference in compiling recommendations for the DPR RI Commission X PLTP Working Committee to the Government. This RDPU is expected to be an inseparable part of efforts to improve literacy in the Indonesian people, one of which is through the role of libraries and strengthening library personnel.

SDG 16

PEACE, JUSTICE
AND STRONG INSTITUTIONS



UNPAD FGD ON THE DEVELOPMENT OF ARBITRATION IN INDONESIA

The Faculty of Law, Universitas Padjadjaran held a Public Lecture entitled "The Supreme Court's View on the Development of Arbitration in Indonesia" with the speaker, the Chairman of the Development Chamber of the Supreme Court of the Republic of Indonesia, His Excellency Prof. Dr. H. Takdir Rahmadi, S.H., LL.M. at the Tommy Koh-Mochtar Kusumaatmadja Auditorium, Building 3, Faculty of Law, Unpad Jatinangor Campus on Wednesday (30/5/2023).

Prof. Takdir stated that the court is not the only way to resolve disputes; society needs a more appropriate and faster mechanism. Therefore, arbitration and alternative dispute resolution are options for the parties. Although Indonesia already has various regulations related to arbitration and alternative dispute resolution, its implementation still faces challenges, including the level of compliance with arbitration decisions.

Dr. Prita Amalia, Plt. Head of the Department of Business and Transnational Law, said that this event was part of the collaboration between FH Unpad and the Association of Arbitration Academics and Practitioners and APS Indonesia. The event included a public lecture, a logo launch, and the establishment of the association's organisational structure. The goal is to form a forum to support the development of arbitration in Indonesia. He hopes that students will take advantage of this opportunity to discuss and ask questions about the development of arbitration in Indonesia.



PUBLIC DISCUSSION ON THE 2023 CRIMINAL CODE UPDATE

Public Discussion “Renewal of the 2023 Criminal Code: Articles Related to Religion in the 2023 Criminal Code” organized by the Faculty of Law, Universitas Padjadjaran together with the Indonesian Consortium for Religious Studies (ICRS) and the Indonesian Academics for Freedom of Religion or Belief (ISFoRB) discussed the renewal of articles related to religion in the 2023 Criminal Code.

The event was attended by several speakers, including Dr Zainal Abidin Bagir (UGM and ICRS), Dr Wanodyo Sulistiani (FH Unpad), Asfinawati (STH Jentera), and Valerianus B. Jehanu (FH Parahyangan University). The discussion aimed to analyze the impact and implications of the new articles related to religion in the Criminal Code, as well as to find solutions to potential problems that arise.

The event was held on Friday, June 28, 2024, at the Mochtar Kusumaatmadja Building, FH Unpad, Bandung, with limited capacity for offline participants and also available via Zoom Meeting for participants who are outside the city. The resource person said that the regulation of criminal acts against religion and belief in the new Criminal Code has an impact on believers and adherents of traditional religions/ancestral religions. Some of the impacts are that religious offences regulated in the new Criminal Code are classified as religious offences in the sense of offences against religion and offences against religious life. There is a term "religion and belief" that is adopted in Indonesia – the reference is not clear because, in the PNPS Law No. 1/1965, it is stated that there are six recognized religions, while for "Belief", there is registration of organizations at the Ministry of Education and Culture.



UNPAD COMMUNICATION, MEDIA, AND CULTURE CENTER HIGHLIGHTS PRESS FREEDOM ON YOUTUBE PLATFORM

The Center for Communication, Media, and Culture Studies, Padjadjaran University, held a public discussion discussing the challenges of press freedom in the digital era in the Oemi Abdurrachman Room, Faculty of Communication Sciences, Unpad, Jatinangor, Tuesday (5/23/2023). In a release received by Kanal Media Unpad, the discussion was about a lawsuit by a YouTuber against Kompas TV regarding the use of audio-visual content in the news about the debt of PT Kereta Cepat Indonesia-China (KCIC). This case is considered important to understand in order to find a solution to prevent a similar precedent from happening in the future. This lawsuit arose because Kompas TV used visual material from the official YouTube channel of PT KCIC in the news uploaded to their YouTube channel, which was then claimed as belonging to the plaintiff.

The problem that arose later was that influencers should be responsible and accountable to ensure the source of funds that go to them. Kunto concluded that the responsibility of influencers is basically not only to the government, but also to the public who pay taxes.

LAUNCHING OF THE DEVELOPMENT OF INTEGRITY ZONES IN ALL FACULTIES AND DIRECTORATES





Universitas Padjadjaran has initiated the development of Integrity Zones in all Faculties and Directorates. This was symbolically implemented by Unpad Chancellor Prof. Rina Indriastuti and Acting Deputy for Education and Community Participation of the Corruption Eradication Committee (KPK) Amir Arief in an event at Bale Sawala, Unpad Rectorate Building, Jatinangor on Friday, July 21, 2023. On that occasion, an integrity pact was also signed by the Chancellor together with 17 Deans and 9 Directors in Unpad. Unlike other campuses where integrity zones are usually only initiated in one faculty or one department. Unpad has initiated Integrity Zones for all faculties and directorates.



114
ANTI-CORRUPTION
TRAINING PARTICIPANTS

This launch is an initial step that must still be realised with the spirit of collaboration and synergy of all Unpad ranks together with the entire academic community. This event also included a public lecture by the Acting Deputy for Education and Community Participation of the Corruption Eradication Committee (KPK), Amier, on "The Role of Universities in Preventing Corruption in Indonesia". Appreciation was conveyed by the Deputy for Bureaucratic Reform, Accountability, Apparatus, and Supervision of the Ministry of PAN-RB, Prof. Dr. Erwan Agus Purwanto, M.Si, who said that excellent service that is free from corruption, collusion and nepotism is the main goal of Bureaucratic Reform.

In addition, Universitas Padjadjaran also held an Integrated Service Training on August 12, 2023, at the El Royale Hotel, Bandung, which was attended by 114 participants from various units. This training was filled by Rizal Badudu, a prime service practitioner from PT. Layanan Prima Indonesia. According to Prof. Dr. Isis Ikhwanasyah from the Directorate of Governance, Legal, and Communication of Unpad, this training is part of the implementation of the development of the Integrity Zone at Unpad, which includes change management, organisational strengthening, governance, human resources, performance accountability, supervision, and improving the quality of public services.



17 PARTNERSHIPS
FOR THE GOALS



SDG 17

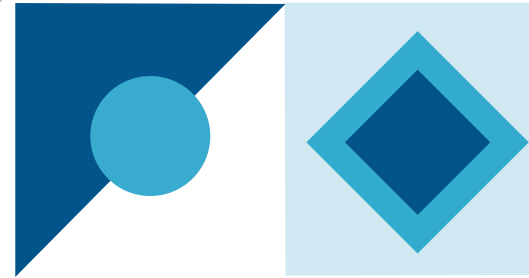
PARTNERSHIP
FOR THE GOALS



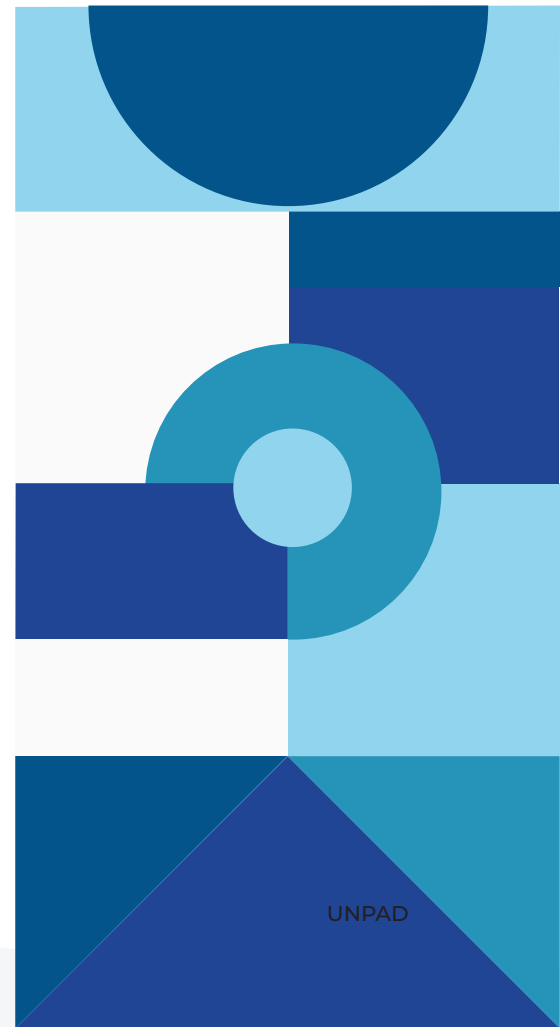
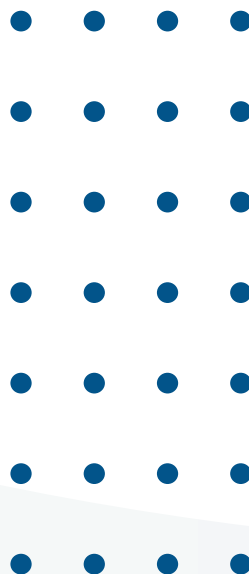
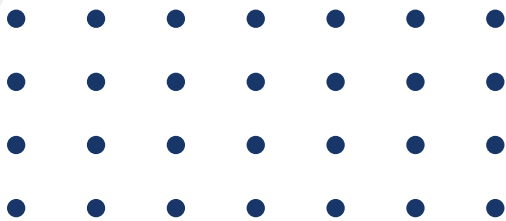




STRENGTHEN THE MEANS OF IMPLEMENTATION AND REVITALIZE THE GLOBAL PARTNERSHIP FOR SUSTAINABLE DEVELOPMENT



Universitas Padjadjaran implements Sustainable Development Goal (SDG) 17, which focuses on "Partnerships to Achieve the Goals," by building collaboration between various stakeholders, both at the local, national, and international levels. Unpad encourages cooperation with educational institutions, governments, the private sector, non-governmental organizations, and the global community to support sustainability through various programs and initiatives.



UNITED NATIONS IN INDONESIA AND SDGS CENTER UNIVERSITAS PADJADJARAN RELEASE STUDY ON SOCIAL EQUALITY CONDITIONS IN INDONESIA



The United Nations (UN) together with the SDGs Center Unpad on Thursday, December 7, 2023 released a study entitled "Leave No One Behind in Indonesia, A Data-Driven Study. This study is based on the commitment of UN member countries who unanimously adopted the 2030 agenda for Sustainable Development and the 17 Sustainable Development Goals (SDGs).

The United Nations Resident Coordinator for Indonesia, Valerie Julliard, in the foreword to the study report stated that the 2030 Agenda and the Leave No One Behind promise are basically rooted in the long-term commitment of Member States to human rights and the principles of equality and non-discrimination.

Prof. Arief Anshory Yusuf from Unpad became the principal investigator in this study. Prof. Arief, this study found that the elderly and people with disabilities, especially in rural areas, are the most disadvantaged groups in Indonesia in many aspects of the SDGs, such as low levels of education, access to technology, and no access to financial institutions. Elderly women are also marginalized groups.

At the seminar, Valerie Julliard said that the study in Indonesia aims to fill the gap in understanding of persistent poverty and vulnerability in Indonesia - to understand the root causes of why so many people are left behind despite the country's impressive economic growth over the past decades. "The global commitment to leave no one behind is not only a moral imperative but also a pragmatic approach to achieving the Sustainable Development Goals, especially in eradicating poverty," she said.





SDGS CENTER UNPAD-BAPPENAS-UNESCAP DISCUSS EFFORTS TO FACE METHODOLOGICAL CHALLENGES IN ACHIEVING SDGS

SDGs Center of Excellence Universitas Padjadjaran in collaboration with the Ministry of National Development Planning/Bappenas RI and UNESCAP UN held a Panel Discussion “Achieving the Sustainable Development Goals through Government and Universities Partnership” at the UN Headquarters in Bangkok, Thailand, Tuesday (3/28/2023).

SDGs Center Unpad Representative Prof. Arief Anshory Yusuf, PhD, said that this discussion was held to see the role of universities in facing various methodological challenges in achieving the Sustainable Development Goals (SDGs) in 2030.

Through the discussion, Prof. Arief gave a presentation on how the SDGs Center Unpad collaborated with Bappenas to develop new methods to answer various methodological challenges in achieving the SDGs. These methods include developing a protocol for updating SDG indicator projections by considering current economic conditions, as well as applying network theory to identify SDG indicators that have the highest impact due to their high interlinkage.

A number of speakers attended this panel discussion, namely Plt. Deputy for Maritime Affairs and Natural Resources of the Ministry of National Development Planning/Bappenas RI Vivi Yulaswati, Coordinator of the Expert Team of the National Secretariat of SDGs Yanuar Nugroho, and UNESCAP representative Rajan Ratna. The discussion was moderated by a senior researcher of the SDGs Center Unpad, Dr. Arriya Mungsunti



SDGS CENTER UNIVERSITAS PADJADJARAN INVOLVED IN THE INDONESIAN SDGS ROADMAP UPDATING WORKSHOP

On April 10-11, 2023, the Ministry of National Development Planning/Bappenas of the Republic of Indonesia through the National Secretariat of SDGs Indonesia held a follow-up workshop on the topic of Workshop of Projection, Exercise Results, Policy Strategy, Financing and Interlinkages for SDGs Indicators. The workshop was attended by the ranks of the Ministry of National Development Planning/Bappenas across deputies, the Expert Team of the National Secretariat of the SDGs Center, Universitas Padjadjaran, and SDGs Roadmap Experts.

The two-day activity began with a discussion on the pillars of social development (Goals 1-5), the Pillars of legal and governance development (Goals 16-17), and the Pillars of economic development (Goals 7-10). On the second day, the discussion continued with a presentation of the environmental development pillars (Goals 6, 11-15) and continued with the presentation of SDGs interlinkages.

This activity was attended by various parties, including experts according to their respective goals, and attended by various cross-deputies of the Ministry of PPN/Bappenas. The SDGs Road Map aims to provide guidance to stakeholders on how best to navigate the complex task of achieving the goals and targets of the 2030 Agenda. The Road Map can be used in communication with other stakeholders involved in the implementation of the SDGs, such as policymakers, academics, civil society, the private sector and the media, to explain issues related to the SDGs and the important roles of all stakeholders.





17 PARTNERSHIP FOR THE GOALS

Strengthen the means of implementation and revitalize the global partnership for sustainable development

PREPARATION OF EVALUATION OF ACHIEVEMENT OF SUSTAINABLE DEVELOPMENT GOALS (TPB/SDGS) IN WEST BANDUNG REGENCY

Bappelitbangda West Bandung collaborates with the SDGs Center UNPAD in the work of Compiling the Evaluation of the Achievement of Sustainable Development Goals (TPB/SDGs) in West Bandung Regency from November 2023 to December 2023. In supporting the achievement of TPB/SDGs, the regional government (in this case, the province) has the responsibility to align targets and programs with the central government as outlined in the RAD TPB/SDGs. Planning for targets and programs in the following period is based on the results of monitoring and evaluation of the implementation of TPB/SDGs, which are coordinated with the Ministry of PPN/Bappenas and the Ministry of Home Affairs. Monitoring and evaluation of the implementation of RAD TPB/SDGs is carried out every six months or at any time, if necessary, supported by data and information from the district/city government. Therefore, it is necessary to study the projection of the achievement of TPB/SDG indicators carried out by the district/city government.

There are 66 out of 289 indicators that can be projected in this evaluation. Sustainable development goals not projected in this study include goal 12 - Responsible Consumption and Production, goal 13 - Addressing Climate Change, goal 14 - Marine Ecosystems, and goal 15 - Terrestrial Ecosystems. The data used in this study came from various sources, including the Central Bureau of Statistics (BPS) such as the National Socio-Economic Survey (SUSENAS) and the National Labor Force Survey (SAKERNAS), the Ministry of Manpower's Data and Information Center (Pusdatin Kemnaker), the Ministry of Health's Research and Development and Health Profile Agency (Balitbang Kemenkes),



the West Java Province Basic Health Research (RISKESDAS), the Ministry of Finance, the National Social Security Council (DJSN), the Indonesian Disaster Information Data (DIBI) and the Ministry of Communication and Informatics. A number of indicators received grades of C, D and E, indicating the need for special attention from the West Bandung Regency government and parties involved in development so that their achievements can be improved. It is important to remember that improving the performance of these indicators cannot be achieved by relying solely on business-as-usual work patterns; additional efforts, innovation, and cross-sector cooperation from various parties are needed.



SDGS REPORT 2023

WORLDWIDE REPUTATION AND IMPACT ON SOCIETY



UNIVERSITY OF PADJAJARAN



17 PARTNERSHIP FOR THE GOALS

02
ZERO HUNGER



03
GOOD HEALTH AND WELL-BEING



04
QUALITY EDUCATION




05
GENDER EQUALITY



07
AFFORDABLE AND CLEAN ENERGY



08
DECENT WORK AND ECONOMIC GROWTH



09
INDUSTRY, INNOVATION AND INFRASTRUCTURE



10
REDUCED INEQUALITIES



12
RESPONSIBLE CONSUMPTION AND PRODUCTION




13
CLIMATE ACTION



14
LIFE BELOW WATER



15
LIFE ON LAND



17
PARTNERSHIPS FOR THE GOALS

