



Impact Report 2023



Yayasan Rumah Energi (YRE) is a non-profit organization that works directly with the community at the grassroots level. YRE has the mandate to assist communities in poverty alleviation, community-based economic development, climate change adaptation, mitigation actions, and disaster risk reduction. YRE has implemented programs focusing on Renewable Energy, Food Security, Social Business Incubation, and Water Conservation.



YRE's Contribution on SDGs

YRE contributes to the SDGs that are implemented in program implementation



SUSTAINABLE DEVELOPMENT GOALS





YRE Programs

• Renewable Energy Program



YRE has provided access to renewable energy for the people of Indonesia since 2012 by becoming a non-profit civil society organization that focuses on developing and disseminating the use of renewable energy and processing organic waste into energy source. Through the Indonesia Domestic Biogas Program or BIRU Program, YRE provides access to the use of biogas reactors as an energy source and the use of bio-slurry (biogas dregs) as a natural fertilizer to the community at the site level.

► Through the **BIRU program**, the achievements in 2023 are as follows:



561
Biogas
Construction



Reach New
1 Provinces



2,738
Beneficiaries



22
Trained Masons



486
Trained Farmer

► Total achievements of BIRU program until 2023:



29,422
Biodigester



135,686
Beneficiaries



Reach out
**20 Provinces,
167 Districts,
3,046 Villages**
in Indonesia



28,668
Trained Farmer



1,297
Trained Masons



► Contribution to SDGs through the BIRU Program



SDGs 1



- Savings in household costs for LPG/firewood of IDR 65,000/month
- Additional income of around IDR 400,000/month from selling bioslurry



SDGs 7



- Household kitchens are cleaner, smoke-free, and lower risk of fire
- Reduction in the use of traditional fuels for cooking (4.9kg/day/household)



SDGs 3



- Reduce shortness of breath, eye infections and stress



SDGs 13



- Reducing GHG emissions by 528,781 tCO₂e through the development of biogas



SDGs 5



- Additional free time and reduced domestic workload for women's groups

- Increase productivity, timely harvest, produce drought-tolerant crops



► Through **Pro Women for Renewable Energy**, the achievements in 2023 are as follows:



Renewables Tech Installation:

10 units of household-scaled biogas, 2 solar dryer dome, 1 solar rooftop for coffee processing facility



Local Champion Establishment

through Involving local youth groups and inauguration of the Local Renewable Energy Women's Coalition as program's advocates & educators successors



Women Empowerment

Through Gender Action Learning System training on climate change mitigation and RE tech, advocacy workshop, financial literacy training to **50 women farmers**



Providing Module & Guideline

1 community-based renewable energy advocacy and campaign training module and 1 technical guideline on community-based renewable energy project



Capacity Building to 30 government officials

(MoHA, Local District and Village officials) on integrating gender on climate change & disaster management work



► Contribution to SDGs through the Pro Women for Renewable Energy Project



SDGs 1



- Provide access for beneficiaries to economic savings from the use of renewable energy



SDGs 2



- Supporting beneficiaries achieve food security through efficient renewable energy technology



SDGs 5



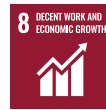
- Additional free time and reduced domestic workload for women's groups



SDGs 7



- Providing access to renewable energy Biogas, Rooftop PLTS and Solar Dryer Dooom to beneficiaries



SDGs 8



- Providing access to economic improvement for beneficiaries through training, mentoring and technological support

• Food Security Program



As an effort to realize national food security, YRE supports the community in increasing the productivity of agricultural commodities, one of which is through Bio-Slurry, biogas waste that can be used as a natural fertilizer to maintain soil structure and increase plant fertility. YRE also encourages national food security through empowering local farmers.

Local Milk Sourcing (LMS) Program aims to strengthen the resilience of local dairy farmers through Good Farming Practices, improve environmental management through biogas installations, and carry out small-scale pilot initiatives to improve farmers' work efficiency in milk production and quality.

Through the **LMS Program** (in collaboration with Sarihusada, Danone Ecosystem, and PRISMA), the achievements in 2023 are as follows:

► Highlights Impact:

- Good Dairy Farming Practices (GDFFP)
- Good Milk Handling
- Biogas Installation
- Gamma Umami Grass Innovation
- Training & Accompaniment to Cooperatives



► Achievements



Increased milk production and quality



Support for investment in supporting equipment



Jersey cattle breeding development



248 breeders took part in the GDFP training series



Development of digital recording applications for breeders and cooperatives



Planting gamma umami saves 9% of land requirements and has a biomass production of 10%



3 assisted cooperatives have business plans and improved governance



Artificial insemination of sexing semen



Building 55 biodigester units for breeders, with an impact on drum cleanliness and potential savings of IDR 176,097 per family / month

► Contribution to SDGs through the LMS Program



SDGs 1

- Provide access for beneficiaries to economic savings from the use of renewable energy



SDGs 8

- Providing access to economic improvement for beneficiaries through training, mentoring and technological support



SDGs 2

- Supporting beneficiaries achieve food security through efficient renewable energy technology



SDGs 12

- Contribute to responsible consumption and production through good management of fresh milk



SDGs 7

- Providing access to renewable energy Biogas, Rooftop PLTS and Solar Dryer Doom to beneficiaries



SDGs 17

- Collaborate with stakeholders



- Green Cooperative Program



Cooperatives have a strategic position in the climate change mitigation and adaptation action landscape, namely as financial channeling institutions to encourage the transition from fossil energy to renewable energy. Green Cooperative Program takes the initiative to build stakeholder awareness for sustainable financing related to climate change and build knowledge of the potential of cooperatives in Indonesia in financing climate change at the grassroots level.

- Through the **Green Cooperative** in collaboration with ClimateWorks Foundation, the achievements in 2023 are as follows:



- **Policy Analysis: Climate Financing for Cooperatives in Supporting Climate Change Mitigation in Indonesia**
- **Operational Guidelines for Cooperatives in Climate Change Mitigation in Indonesia**
- **25 Cooperative engaged**
- **14 Institutions/Organizations involved**



- Through the **Green Cooperative Adaptation Readiness (GENCAR)**, the achievements in 2023 are as follows:

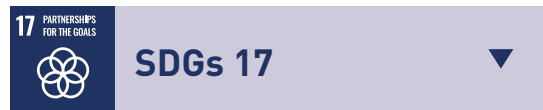


- **4 Main Assisted Cooperatives**
- **52 Beneficiaries of the following training:**
 1. Peningkatan Tata Kelola Koperasi yang Baik
 2. Pengarusutamaan Kesetaraan Gender dan Inklusi Sosial (GESI)
 3. Climate-Risk Assessment
 4. Water and Waste Management Technology Best Practices
 5. Climate Financing
 6. Leveraging Climate Funds
- **24 Cooperatives were Involved in the Training Series**
- **19 Institutions & Organizations Involved (Including Government and Partners)**

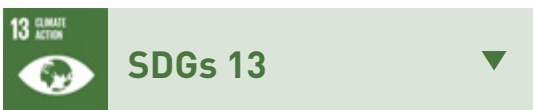
- **Contribution to SDGs through the GENCAR Project**



- **Providing knowledge about clean and affordable energy to beneficiaries, including good practices for biogas renewable energy**



- **Cooperate and build collaborative networks with government institutions and civil society organizations**



- **Share insights and knowledge with beneficiaries about climate change, the impact of climate change on life, and ways to adapt & mitigate climate change**

Let's connect with us!

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GIVE PEOPLE POWER