



Mewujudkan
Indonesia Berdaya



For 13 years, Rumah Energi has walked a path guided by a single, enduring vision: building an empowered Indonesia. Empowered in its truest sense — where communities have the capacity to manage their natural resources, adapt to climate change, and cultivate sustainable livelihoods. Since 2012, Rumah Energi has worked alongside farmers, livestock keepers, and local entrepreneurs, connecting renewable energy technologies with the values of community resilience. From household biogas systems to village-level green cooperatives, every initiative contributes to a larger movement of strengthening the nation's resilience from the ground up. Now, more than a decade later, Rumah Energi reaffirms its direction through the **Three Dimensions of Empowerment** — a framework that illustrates how energy, ecology, and economy intersect to shape a climate-resilient future for Indonesia.

Building Grassroots Resilience for an Empowered Indonesia

Rumah Energi believes that meaningful transformation begins at the local level. Through community-based resilience approaches, Rumah Energi brings clean energy solutions, sustainable environmental management, and adaptive livelihoods to communities across Indonesia.



1 ENERGY EMPOWERMENT

Rumah Energi promotes decentralized access to clean energy at the local level to meet everyday needs — from cooking and basic lighting to supporting productive economic activities. Through biogas

technologies and off-grid solar installations, rural communities can gain independent and environmentally friendly access to energy. This approach not only reduces dependency on fossil fuels such as LPG and kerosene, but also contributes to national energy subsidy savings. More importantly, community-based clean energy systems strengthen local resilience against global energy market volatility.

2 ECOLOGICAL EMPOWERMENT

Climate crisis mitigation is a critical part of Rumah Energi's work. Biogas systems across Indonesia help capture methane — a potent greenhouse gas — while reducing deforestation driven by firewood use. Rumah Energi also facilitates community-based water conservation, particularly in river basin areas vulnerable to clean water scarcity. Through improved domestic and agricultural waste management, communities can maintain stable household water supplies and increase awareness of protecting local ecosystems.





3 LIVELIHOOD EMPOWERMENT

The third dimension focuses on strengthening community economies. Farmers and livestock keepers supported by Rumah Energi have increased their income through climate-friendly agriculture, animal husbandry, and diversified economic activities.

Bio-slurry, a by-product of biogas, is used as organic fertilizer and generates new economic value. Meanwhile, savings from cooking fuel, clean water access, and agricultural inputs reduce household and farming expenses. Rumah Energi also initiates cooperative-based business incubation, community champions, and MSMEs to ensure an equitable and self-sustaining local economy.

Bridging Change: Strategies for a National Ecosystem

Local-level empowerment is strengthened through strategic pathways that connect grassroots action to national transformation. Rumah Energi integrates three core approaches to ensure an inclusive and sustainable transition.

1 JUST TRANSITION

- Rumah Energi ensures that the energy transition unfolds fairly and equitably, with gender mainstreaming at its core.
- Through training and mentorship, women are empowered to become leaders in renewable energy utilization and energy-driven entrepreneurship.
- Improved access to energy and clean water provides direct benefits to women, who often manage household basic needs.



2 CULTIVATING LOCAL CHANGE AGENTS

- Cooperatives and youth groups are positioned as local champions in adopting sustainability innovations.
- Through partnerships with cooperatives, Rumah Energi unlocks financing opportunities for renewable energy services.
- Young people are introduced to green jobs, enabling them to build careers within Indonesia's growing green sector.

3 CIRCULAR ECONOMY

- Circular economy principles are applied at the grassroots level by transforming waste into valuable resources.
- From upcycling agricultural waste into organic fertilizer to conserving river basin areas, restorative and sustainable practices become the backbone of community-led productive activities.



Impact and Achievements: Driving Real Change

The Three Dimensions of Empowerment have generated measurable impact across Indonesia:



142.560
beneficiaries
across **21 provinces**

5.114 participants trained in
climate-resilient food system
practices



IDR 200,000–500,000
additional monthly income
from organic fertilizer-based
economic diversification

Up to IDR 600,000 in household
savings per month on energy, water,
and agricultural inputs



**100+ local governments
and cooperatives**
transformed into Green
Cooperatives implementing
ESG principles

323 local businesses
successfully incubated



Up to 200% increase
in farmer productivity through
renewable energy adoption



1,200+ residents engaged
in community-based water
conservation programs in
West Java

Collaboration with
**30+ national and local
government institutions,**
100+ private sector partners,
NGO networks, universities, and
**120+ national and local media
outlets** to advance Indonesia's
resilience journey



584,384 tCO₂e emissions
reduced since 2009 —
equivalent to planting **26.5**
million trees across an area the
size of Indonesia's new capital (IKN)