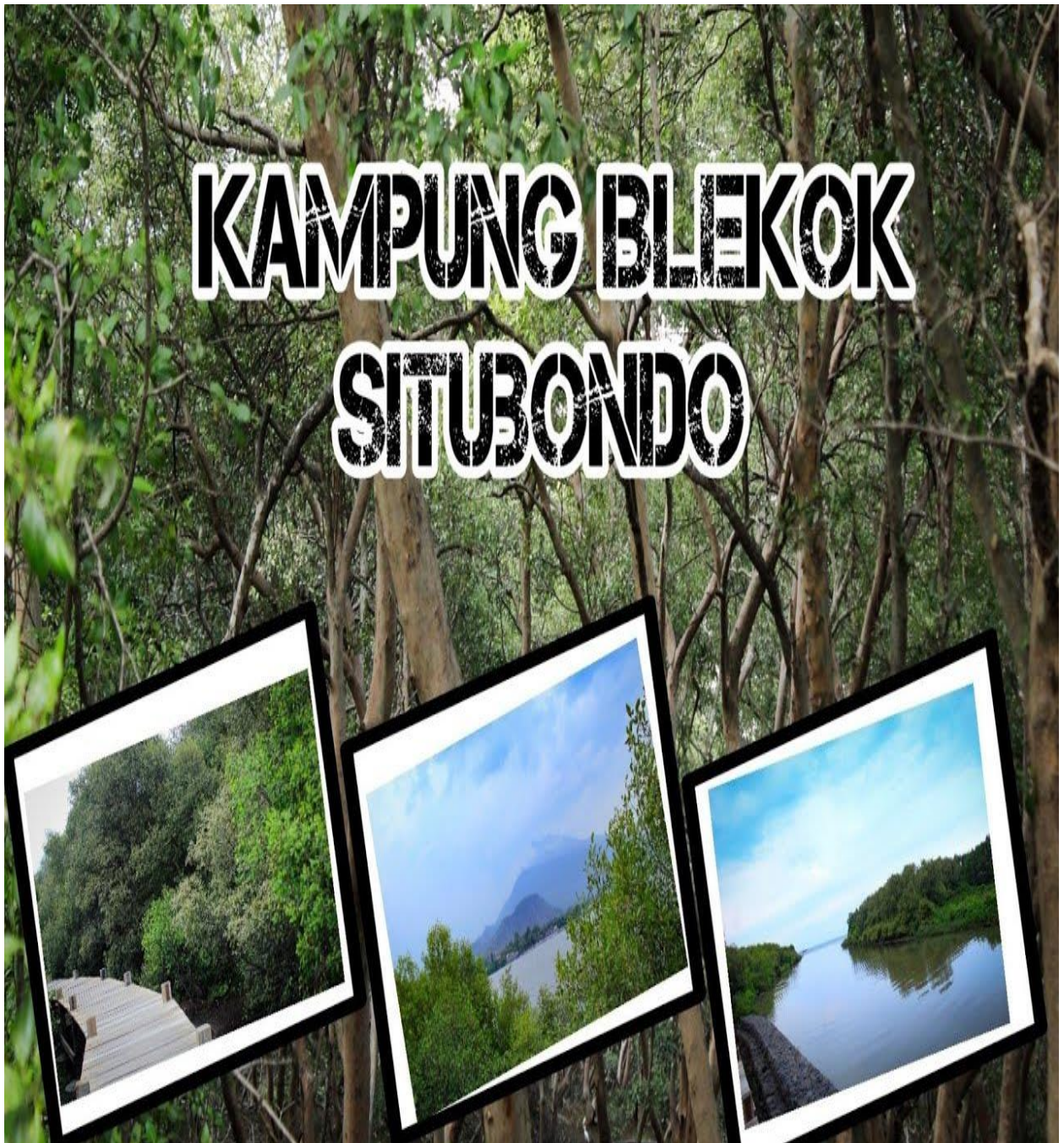




CORPORATE SOCIAL RESPONSIBILITY



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Introduction

We, PT Paiton Energy, are fully committed in implementing the Corporate Social Responsibility ("CSR") programs under 3 (three) key principles: (i) contribution to local community, (ii) clean environment and (iii) prosperity of Indonesia society.



Contribution to Local Community: Our business is deeply rooted in the local community. Without the assistance from local community, we will not be able to sustain our business steadily. "Contributing to community development" is one of our corporate mission.

Clean Environment: Our business must be environmentally sustainable. Or otherwise we will not be able to successfully maintain our business. "Caring for the environment" is one of our mission. Although we are operating our power station on a highly qualified standard in terms of environment, we recognize that contribution to the clean environment through CSR activity is also necessary.

Prosperity of Indonesian Society: We are the power producer who provide sustainable social infrastructure to the Indonesian society by way of generating electricity. Assisting Indonesian society to achieve prosperity will always be one of our main purpose (picture 1).

In line with such key principles, we campaign our CSR programs actively throughout Indonesia. One of our CSR program striking feature is that we sustainably manage our CSR program on hands-on basis and support the community's self-reliance rather than simply providing the financial support only. We believe that we will be able to provide sustainable CSR programs by adopting such approach.

We hope our Shareholders and Stakeholders obtain valuable information on CSR activities of Paiton Energy from this book.

Vision and Mission

OUR VISION

TO BE THE MOST RESPECTED
WORLD CLASS POWER PRODUCER.

OUR MISSION

- Prioritizing the highest health and safety standards in all aspects.
- Striving for excellence in innovation and operational standards.
- Optimizing value to Stakeholders.
- Developing employee's professional competence and happiness.
- Caring for the environment.
- Contributing to community development.

The Main Principles of The CSR Program are as follow:

1. Generate Sustainable Benefit
2. Encourage Community Participation
3. Utilize Appropriate and Applicable Technology

Three Key Principles of CSR Activity

1. Contribution to Local Community
2. Clean Environment
3. Prosperity of Indonesian Society

PT PAITON ENERGY at a Glance

BUSINESS PROFILE

PT Paiton Energy is the first and the largest Independent Power Producer (IPP) operating in Indonesia. We currently own and operate three coal-fired power plants at Paiton Power Complex in East Java and provide 2,045MW of power to PT PLN (Persero), which is approximately 6% of total installed capacity in Java Island.

Paiton Energy generates approximately 13,500 GWh of electricity per year, which contribute to around 8% of the annual electricity consumption in Java Island. Our power stations deliver reliable source of electricity to PLN under long-term Power Purchase Agreements.

We have distinguished ourselves as a reliable supplier of electricity, as well as an active corporate citizen, providing support to local communities in East Java as well as to other projects throughout Indonesia. We see these roles as being mutually supportive and we look forward to strengthening our roles in Indonesia over the long-term.

HISTORY

PT Paiton Energy was established in February 1994 and started commercial operation of two power plants (Units 7 and 8) in May and July 1999. The capacity of each unit is 615MW. Unit 3 having capacity of 615MW, is the first super critical coal fired power plant in Indonesia and started commercial operation in March 2012. Super Critical Boiler Technology provides a higher efficiency, a lower fuel (coal) consumption and subsequently lower CO₂ emissions. The coals with extremely low sulphur and ash content are supplied from Kalimantan and Sumatra.

CSR Programs

I. Health & Sanitation Improvement

HIV Prevention Support Center (P3KM)

There is an alarming increase of people exposed to HIV/AIDS diseases in Paiton. In 2013, the company supported local Paiton Medical Center with a building to be used as special ward to treat people with HIV/AIDS. CSR PT POMI – PT Paiton Energy has been supporting in the campaign to prevent HIV/AIDS and how to treat the people with HIV/AIDS. More than 200 students from Junior High School and Senior High school participated in HIV/AIDS prevention workshop. 50 members of High Risk Group were given knowledge of the danger of HIV/AIDS and its prevention.

CSR PT POMI – PT Paiton Energy has supported this program since 2015 as follows:

1. HIV AIDS outreach and education
2. Identification and screening the people who have been infected by HIV/AIDS
3. Providing outreach process
4. Providing transportation costs

Paiton Energy was awarded Padmamitra Award from Ministry of Social Affairs in 2017 and 2018.



PADMAMITRA AWARD 2018

The Implementation of Social Responsibility on the Social Welfare



Mitsui team visited the office of Prevention Support Center (P3KM)

Health & Sanitation Improvement

Local Clinic (Community Medical Center/Puskesmas)

Public Health Quality Improvement is aimed at improving access to health service and improving public health.

Support Kotaanyar Community Health Center (Puskesmas)

Campaign Program for Healthy Living Community Movement (GERMAS)

The Objectives of the Activity

1. Creating a healthy, fit and productive life for the community of Kotaanyar
2. As a form of realization of Puskesmas and Kecamatan activities to improve the health status of Kotaanyar's community
3. Reducing the infectious and non-communicable diseases.
4. Reducing the burden of financing health services
5. Increasing multi-sector cooperation, balance of society, family, individuals and community empowerment.



Community Medical Center (PUSKESMAS)

Health & Sanitation Improvement

Posyandu for Elderly

CSR PT POMI- PT Paiton Energy continuously support Government Program to improve the quality health services of the elderly with the following programs:

1. Checking daily activities of the elderly
2. Checking the nutrition, mental status, blood pressure.
3. Providing health counseling
4. Organizing elderly gymnastics



Posyandu for Elderly



Gymnastics for the elderly

Health & Sanitation Improvement

Posyandu - Production of Additional Nutrients for Infants

Objectives

- To develop and improve social skill.
- To reduce malnutrition cases by producing additional nutrients from moringa leaf.
- To give nutrition and food processing knowledge for Posyandu cadres.
- Posyandu cadres to receive knowledge of PIRT licensing procedures.
- Posyandu cadres can produce additional nutrients food with local ingredients and sell it to generate additional income.

Activities

Additional nutrients for infants production training.

The Ability of Moringa Oleifera to combat malnutrition for toddlers and children under five-years old in Probolinggo:

- Moringa leaf powder is able to prevent or cure malnutrition in pregnant or breast-feeding women and their children.
- Pregnant women are able to recover from anemia and their babies have higher birth weights; the breast-feeding women are able to increase the production of milk.
- Nutrient moringa helps to increase children' weight and improve overall health.



Training of nutrients and food processing knowledge by Posyandu cadres



Posyandu cadres produced pizza, nugget and croquettes which had been processed by moringa leaves powder.

II. Education Support Program

Education Quality Improvement – Enrichment Program

Enrichment Program is a training program for graduates of Polytechnic/Universities in Power Generation for 8 months. Graduates of this program will be resources for POMI recruitment for operator/ technician. This program has been conducted by Paiton Selaras Foundation since 2015 until 2020 and participated by 905 students.

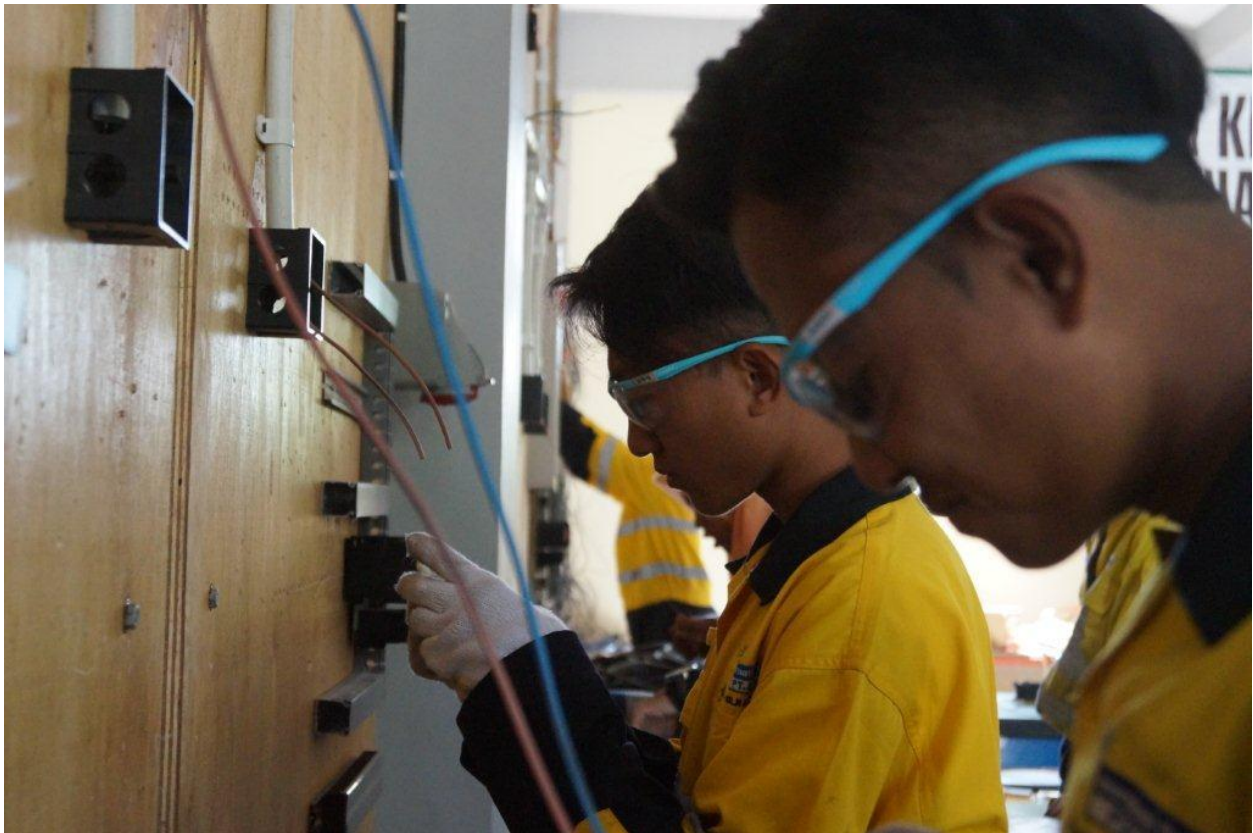
The purpose of Enrichment Program is to develop technical graduates with power generation skills. Basic Power Generation delivered during Enrichment in class such as Basic Power Plant, Plant Cycle, Basic Electrical, Applied Mathematics, Plant Science and Plant Instrumentation. More Advanced Power Generation Materials delivered at site (15 Modules) followed with Simulator Training, Fresh Eyes Safety.



Enrichment Program

Education Quality Improvement – Mambaul Ulum Vocational High School

Vocational High School Support is aimed at improving the quality of vocational education especially in mechanical/electrical studies. This program is also supported by Polytechnic Malang and SMKN 1 Singosari. The graduates may be recruited by contractors.



High School Students Training in Paiton Selaras

Education Quality Improvement – Vocational Workshop

Vocational Workshop is a program to develop and improve technical skills for schools and young people in the area.

The following programs have been implemented:

Vocational High School support the programs provide support to local vocational high schools (SMK) with technical workshops such as welding, electrical installation, automotive repairs etc.

Dual Track Program is a program to give vocational skills for Senior High School students who will not continue their education.

Community Workshop is workshop program for local communities to enable them to have skills required to work at plant and/or to start the business. Safety Passports to help improve local people's mindset when working at plant Building and Equipment in LPK (Vocational Workshop) are Paiton Energy assets.

Education Quality Improvement – Vocational Workshop

Training on Building Fiberglass Boat

Purpose of Training

Participants were hoped to make boats from fiberglass and repair the boats to help fishermen community around Paiton.

Activity

The training had been conducted from 12 November through 21 December 2019. The trainer was CV Samudera Engineering and the participants were alumni SMK Mambaul Ulum fostered by CSR PT POMI – PT Paiton Energy and technicians of LPK Paiton Selaras.

CSR Support

Fishermen who have fiberglass boat will repair their boats in LPK Paiton Selaras under CSR Program of CSR POMI-PAITON ENERGY.



Training on building Fiberglass boat



Training on building Fiberglass boat

Education Quality Improvement – Vocational Workshop

Automotive Training

The Purpose of Training

Creating self-employment and employing people to reduce the number of unemployment in Paiton.

Activity

The training had been conducted for one month since 28th November 2019 in LPK Paiton Selaras where the participants were 8 young men from the village of Paiton Regency.

CSR Support

- a. Conducting reparation of motorcycles in group at each places of participants.
- b. Monitoring and conducting the evaluation of any obstacles occurred during the reparation motorcycles.



Automotive Training

Education Quality Improvement – Vocational Workshop

Baking Cookies and Sewing Training

Purpose of Training

It is expected those women will generate family income and create employment for people to reduce the unemployment.

Activity

Baking cookies training was conducted on 2nd May 2019 in LPK Paiton Selaras. The participants were women of Paiton Regency.

CSR Support

1. The women will conduct baking cookies at their homes prior Lebaran Day (Idul Fitri).
2. Conducting monitoring and evaluation of any obstacles occurred during backing the cookies to generate family's income.



Baking Cookies Training

Sewing Training

Purpose of Training

It is expected women and ladies have their own sewing skills to generate their family's income and to create employment opportunities for people.

Activity

The sewing training was conducted on 16th October 2019 in LPK Paiton Selaras. The participants were women and ladies of Probolinggo and Situbondo Regencies.

CSR Support

1. Encourage women and ladies will conduct sewing at their homes
2. Conducting monitoring and evaluation of any obstacles occurred during the sewing training.



Sewing Training

Education Support Program

Scholarship Program Paiton Energy IYLSP

Paiton Energy made a great achievement on its CSR Scholarship Program to assist and support the outstanding students of the less advantage financial background to continue their studies in the Universities. The program was managed by IIEF (Indonesian International Foundation).

Under the scholarship program “The Paiton Energy Indonesian Young Leaders” from 2010 until 2017, it was graduated 63 students of Electrical Power Engineering, Mining Engineering, Environmental Engineering, Physics Engineering, Chemistry, Urban & Regional Planning, Electrical Engineering, Building Engineering Education, Accounting and Economy. Among of them, 27 students were graduated Cum Laude. The alumni obtained jobs in Indonesia and overseas. Some of them continued to take Master degree.

One of the objectives scholarship program was to develop leadership skills with an emphasis on community service. Therefore, the grantees had to present their reports during community service. They had been required to make innovative programs to community.

The graduation ceremony of the last program had been held at the auditorium of Paiton Site from February 14-15, 2020. Mr. Mark Millward explained Practical Leadership Skills. Pak Bambang Jiwantoro addressed its presentation on Paiton Enrichment Program and Career Coaching.

On this occasion, the graduated students and alumni were getting together to share their opinions on the advantages of obtaining the scholarship program. They had a chance to make site tour, visiting POMI - Paiton Energy's CSR locations of Biodiversity project - Tree adaption, Selo Banteng, mushroom cultivation, Tempora beach (Eco Tourism).



Graduation Ceremony – Auditorium Paiton Site

III. Entrepreneurship

Entrepreneurship – Sekar Ayu

CSR supports to this group has strengthen the use of Moringa leaves as a substitute nutrition for infants. Various products could be created such as moringga leaf flour, moringga stick, moringga chocolate etc. Having booked a sales of Rp 40 MM in 2018, this group has been set as role model in health.



Ladies of Production House SEKAR AYU – Sumberanyar – Paiton



Sekar Ayu products of moringa leaves: chocolate, cookies and moringa powder

Entrepreneurship – Cassava Chips Gazal Makmur in Kotaanyar

CSR support to this entity has multiplied its production capacity by 5 times from 100 kg per day in 2014 to 700 kg per day. Sales increase from Rp 36 MM per year (2014) to almost Rp 1,2 Billion in 2018. The winner of One Village One Product (OVOP) in 2016.

Entrepreneurship – Mahkota Jamur in Kraksaan

CSR support to Mahkota Jamur has increased the production capacity and sales of Rp 250 MM per year. Mahkota Jamuar has also become the company facilitator for Oyster Mushroom in Probolinggo and its surrounding.



Cultivation of mushroom – Mahkota Jamur in Kraksaan



Producing Crispy Oyster Mushroom Mahkota Jamur in Kraksaan

Entrepreneurship

Organic Tampora Batik in Banyuglugur

Natural color batik manufacturing is part of the coastal community empowerment program that utilizes natural resources by using mangroves and twigs as coloring. Another positive point, batik produced by the community is having higher value due to its natural ingredients on it. This program has been initiated by CSR PT POMI – PT Paiton Energy since 2015 until now.

The purpose of this empowerment program is to support the people in Banyuglugur Beach getting a better life economically for their family.



Organic Tampora Batik

Entrepreneurship – Traditional Market Empowerment Program

The company has supported Paiton Market to become Green and Clean Market. The following program was delivered which has an impact the better condition of market and higher commercial transaction for 470 traders.

CSR Support

- Waste Management: converting market organic waste into composting fertilizer. It is currently able to produce fertilizer 9 tons per month.
- Competence development: providing workshop to traders to help them run the business well.
- Support the Cooperative (Koperasi) to provide access to cheap financial resources: The cooperative was formed with initial capital from its members (traders) of Rp. 60 MM collected from members. The Cooperative could provide loan to traders at a very low interest. Due to the success, the government injected Rp. 100 million to support the Cooperative.
- In 2017, Pasar Paiton was awarded “Indonesian Green Awards” for integrated waste management.
- Due to the success of the program, it was then replicated to 5 other traditional markets in Probolinggo.



INDONESIA GREEN AWARDS 2017 INTEGRATED WASTE MANAGEMENT AND DEVELOPMENT PAITON TRADITIONAL MARKET

Entrepreneurship – Organic Farm

Sustainable Farming Empowerment Program is aimed at increasing farmers economy through effective empowerment and introduction of new and more sustainable technology such as organic farming, hydroponic and aquaponics farming.

Home Organic Farming

This program is aimed at providing access to better nutrition to family through home grown organic farming/ Kawasan Rumah Pangan Lestari (KRPL). 150 families from 15 villages received training in this KRPL and could generate benefit by reduction in household expenses of up to Rp 10 thousands per day per family.

Cempiring Farmer Group

Cempiring Farmer Group (Kelompok Tani Cempiring) has been developing organic farming especially in planting fruit and vegetables. This group has been developed by the company as the organic farming learning center. The Ministry of Agriculture has also appointed this group as the Center of Assessment in Organic Farming Certification. This group has also become facilitator for company program in organic farming in Probolinggo and its surrounding.



Cempiring Farmer Group

Setia Budi Farmer Group

Setia Budi Farmer Group in Banyuglugur, Situbondo has been developing organic rice farming. In a joint cooperation with Bank of Indonesia, the group received Certification from Lesos organic certification body.

CSR Support

1. Conducting training on making organic fertilizers with basic material from animal manure.

The training was conducted on 9 January 2019. The community of two villages Sumberejo and Sumberanyar are able to make organic fertilizer from organic waste in the area of their villages. It will solve organic waste problems. The livestock manure can be overcome and the necessity or fertilizer can be made independently.

2. Continuously assisting Farming Organic Program
3. Coordinating with the village officials, farmers and related parties to develop the Organic Agriculture Program.
4. Monitoring and extracting other information which is related to the success of the Organic Agriculture program.



Organic Farming



Organic Certificate from LeSOS Institution for Setia Budi Farmer Group

Entrepreneurship – Fishermen Development Program

Sustainable Fisherman Empowerment Program is aimed at increasing fishermen economy through effective empowerment and introduction of new method.

Binor Fishermen Empowerment

The program provided 400 block of Artificial Reef Rumpon fruit at Binor Sea since 2017 and introduction of crab cultivation. Average income from the artificial reef was Rp 4 Billion in 2018. In 2019, the company provided Floating Fish Cage as part of grouper cultivation integrated with ecotourism.

Telogo Merak Catfish Group

Telogo Merak catfish group is active in catfish cultivation. Under CSR project supported the group by introducing more effective cultivation method which could fasten fish growth.

The current empowerment focus on “creating new market” other than traditional one by introducing new line of business (smoked catfish). The company provides fish processing equipment fabricated by our Vocational Workshop.

CSR Support

As part of Fishermen Empowerment Program, CSR supports are implementing a research activity called Baruna Project. The project has been conducted in 3 (three) stages, i.e.:

1. Observe – purchasing Fish Cages from local manufacturers in Bandung and observe the design and materials used. The fish cages arrived site at the end of January 2019.
2. Imitate – reproducing the same Fish Cages at our Vocational Workshop using local materials available.
3. Modify – improving the design and materials used for other purposes and scales
4. Monitoring the results of fish cultivation from cages
5. Conducting evaluation together with fishermen groups to overcome the obstacles in the field.

The purchased fish cages were installed at Binor Sea and Banyuglugur Sea. Our own product was assembled and tested at POH 2 Swimming Pool.

Fiberboat Research: conducting research and made design prototype of fiberboat. Currently, Yayasan has been able to produce 2 fiber boats (fisherman type).



Fish cages



CSR PT POMI – PT Paiton Energy helps the fishermen of Daman Jaya to provide fish apartments as a Fish Resources Conservation Pillar in Sumberejo Village, Paiton Sub-District.

FISH APARTMENT

Fish apartment is one of the tools to maintain the sustainable use of fish resources. The installation of a fish apartment in water is an activity to manipulate the water into fertile water for fish resources. This is to avoid fishermen to use fishing gear which is not environmentally friendly.

Activity

On August 27, 2019, a fish apartment (1 unit = 10 sets) was handed over to a fisherman group in daman jaya on the coast of the village of Sumberejo, Kab. Probolinggo

OUTCOMES

CSR PT.POMI - PT Paiton Energy provides fish apartments to fishermen group of Daman Jaya which is aimed at increasing fish populations so that increasing the catch of fish without damaging the habitat of fish.

CSR Support

1. Monitoring the catch of fish after providing the fish apartments.
2. Conducting evaluation with Fishermen group to overcome the obstacles and providing the solutions.



Preparation of the installation fish apartments in the water

IV. Clean Environment

Paiton Energy Electric Bus Project

PT Paiton Energy and PT Mobil Anak Bangsa (MAB) signed an MoU on the procurement of an e-bus on 2nd July 2019. The company cares about maintaining clean environment by reducing greenhouse gas emissions. The e-bus replaced one of the three diesel busses which are used to transport the employees in Paiton Site. The e-bus is 12 meters long to carry up to 50 passengers with a battery capacity of 250 Kwh, 404 Ah. MAB also helped to install a 120 killowatt charging station in Paiton Site.

MAB is the first pioneer to initiate an electric car business in the country. Paiton Energy was the first consumer to buy and electric bus from MAB.



MoU Signing Ceremony on July 2nd, 2019
PT Paiton Energy and PT Mobil Anak Bangsa (MAB)



Electric-bus Paiton Energy

Paiton Energy Blue Sky Project

PV Golf Carts in Taman Margasatwa Ragunan

Paiton Energy has started and implemented the Blue Sky Project initiative since 2018. This project continuously supports clean environment to provide 6 (six) PV golf carts in Taman Margasatwa Ragunan (TMR). It is found the available vehicles in TMR using diesel emissions which are not good for health and environment.

The golf carts use photovoltaic (PV) panel that provides charging power to the vehicles's batteries. It extends the driving of golf carts beyond what the conventional charging can do and can help to reduce electric costs.

The six seaters PV golf carts make the customers more convenient because the vehicles are able to bring the customers to the places which are unable reached by diesel ones. These PV golf carts are equipped with written and visual information about Paiton Energy and Ragunan Wildlife Park.



PV Golf Cart in Taman Margasatwa Ragunan (Ragunan Wildlife Park)

Paiton Energy Blue Sky Project

Electric Motorcycles in Monas and Taman Margasatwa Ragunan

Paiton Energy concerns the air quality in Jakarta. Therefore, the Jakarta Blue Sky Project initiative was started and implemented in 2018. The project is to install solar electricity power stations, recharging stations and electric motorcycles in Monas, Taman Margasatwa Ragunan and Jatibaru so that we can help to reduce the Greenhouse Gas Emissions in the city and support energy mix achievement in terms of solar energy which is stipulated in the Governor of DKI's Regulation No. 131 of 2012. It is expected that Jakarta becomes a city with clean air and good environment, Blue Sky.



Solar PV Power Stations in Monas



Recharging Stations in Monas



Electric bikes in Monas

Tempora Beach (Eco Tourism)

Banyuglugur Tempora Coastal Livelihood Program

It was implemented in an area of 10,20 Ha, the program which involved local community group has improved Biodiversity Index from 0.75 became 0.90. Starting in 2009, the conservation initiatives has increased the mangrove area from 140 m² to 204 m².

The eco tourism had been awarded as the Best Eco-Tourism Destination in East Java.

One Village One Destination (OVOD)

In cooperation with FKPS, The One Village One Destination (OVOD) program to encourage villages to start creating and campaigning new tourism objects was launched and completed. 24 villages submitted their projects. 10 of them was then evaluated by juries consisting of the Regent of Probolinggo, and several others on November 2019. The best 5 Eco-Tourism destinations have been selected. As a reward, they eco-tourism destination will receive company's support in the form of Capacity Building and Conservation Program.

They are:

- Jaran Goyang Waterfall, Guyangan, Kec. Krucil (Jaran Goyang Waterfall)
- Bandar Segaran Beach Desa Dringu Kec. Dringu
- Rawa Tirta Lake Fishing Tour Desa Sumber Kedawung Kec. Leces
- Pekalen Family Tubing at Pekalen River Desa Maron Kec. Maron
- Mini Park Desa Rambaan Kec. Sumber

Bottom Ash Utilization

3R - FABA Utilization

- The aim is to convert the Bottom Ash to building materials
- Research by Institute Technology of Surabaya = > K300 paving block (Heavy Equipment)
- The program started since 2010 but slow progress due to land acquisition issues since initial idea is to process outside plant area.
- PJB and YTL have started to recycle their bottom ash to pavings block in their Ash Disposal area since 2015 and are now processing license to Ministry of Environmental Protection.
- First target is to recycle fresh Bottom Ash (3,000 tons per month) and produce 3,000 paving block per day

New Research

In 2020, we will start conducting research to produce salt from Reject Sea Water Reverse Osmosis (SWRO)



Bottom ash recycling

Waste Bank

Trash Bank is aimed to obtain economic benefit from waste management. In the long run, it is expected that it will change the community behaviour. Almost 3,000 students and 2,500 traders from 5 traditional markets received training in waste management.

55 Trash Bank (Bank Sampah) have been established. Trash Bank Bhinor is awarded as the best medium sized Trash Bank in East Java.

Waste Bank Application

Company provided Waste Bank Android Application to easily collect the rubbish.

The Commemoration of Hari Peduli Sampah Nasional (HPSN) 2020.

PT POMI – PT Paiton Energy participated in National Waste Care Day (HPSN) which was held on February 18, 2020 in Sengkaling Recreation Park, Dau Distric, Malang Regency. In this event, it was introduced the Movement of East Java Trash Innovation and Waste Distribution (Sidowati) to the community and environmental cadres of East Java.

The Governor of East Java, Khofifah Indar Parawansa attended the event and gave a commemorative speech. Taking the theme "Clean Indonesia, Advanced Indonesia, Prosperous Indonesia", HPSN is expected to inspire the public to make the innovative waste management. In addition, the Governor Khofifah also stressed the importance of building infiltration wells and biopori to anticipate flooding, especially in big cities where they have highest densities population. Governor Khofifah symbolically made a biopori hole as a form of water conservation efforts.

The HPSN 2020 commemoration event was attended by representatives from the District / City DLH in East Java and cadres of Clean and Sustainable Villages in each Regency / City. In the event, CSR PT. POMI - Paiton Energy gave symbolic awards to serial cadres of Probolinggo Regency. The prizes are 100 sorted waste bins, 150 garbage bins, 30 drum composter, 1 trolley for the Community of Garbage Bank Community of Probolinggo District, MTsN 1 Probolinggo and Green Studio. The handover was carried out by the Head of DLH of East Java Province, Diah Susilowati accompanied by the Head of the DLH of Probolinggo Regency and the CSR manager of PT. POMI - Paiton Energy, Bambang Jiwanoro.



National Waste Care Day

Waste Management – Ecobricks Campaign

Community Empowerment through Ecobrick Campaigns was held during 2019. The purpose of the campaigns was to make people aware to love the environment in terms of Raising Awareness, Reducing Plastic Consumption and making Ecobricks as a solution to solve the plastic problems. The program involved 2230 participants from the various elements who have acknowledge to protect the environment from plastic waste. They had to package used plastics into 3880 ecobricks with an average weight of 200 grams per bottle or as much as 776.000 grams. This was to avoid plastic from being burned and not throwing into river and ended up in the sea.

It was also held trainings for trainers such as Ecobrick and Earth Building Training on April 24-28, 2019 and TOT Ecobrick on 25-27 September 2019. The new 40 trainers received certificate from the Global Ecobrick Alliance.



INDONESIA GREEN AWARDS 2020

CATEGORY : PLASTIC WASTE MANAGEMENT – ECOBRICKS PROGRAM

PT Paiton Energy's Creative Movement for Clean and Green Indonesia.



ECOBRIKS TRAINING PROGRAM



V Renewable Energy

Paiton Energy Solar PV Project

In accordance with the National Energy Policy (KEN) and the National Energy General Plan (RUEN), the contribution of Solar PV is targeted to reach 6.4 GW in 2025 consisting of large-scale Solar Power Generation (PLTS) systems, Solar Home Systems (SHS) and Solar PV Rooftop.

PT Paiton Energy is one of the largest Independent Power Producers (IPP) in Indonesia built a Solar Power Plant (PLTS) from Photovoltaic (PV) stations for the self-consumption purposes with a total installed capacity of 1,013 kWp on-Grid Solar Power System. As a company which has a high commitment to environmental preservation, the main objective of the Solar PV Project development is to reduce the use of coal and CO2 emissions.

The Solar PV project was installed at Paiton Ash Disposal Area (689KW), Roof top of Administration Building (65KW) and Roof top of Recreational Hall at the Paiton Housing Complex (289 KW).



SOLAR PV PROJECT PAITON ENERGY

Malang High School Solar Project and Madura Boarding School Solar Project

A solar cell (or a "photovoltaic" cell) is a device that converts photons from the sun (solar light) into electricity. The Renewable Energy Utilization Program (REU) is a support program that was established to achieve energy sovereignty in Indonesia. Energy sovereignty is a necessity to reduce our dependence on fossil energy, especially those from oil and coal. This program also becomes a PLTS learning laboratory for students and the wider community.

The PLTS program in Pondok Annuqayah Islamic Boarding School, with a capacity of 30.72 kWp, can support 40% of the electricity needs of the school while for Malang State Public High School is 15.36 kWp and able to reduce electricity bill from Rp 6 million to Rp 3 million.



INDONESIA GREEN AWARDS 2020
FRIENDLY ENVIRONMENT - FRIENDLY INVESTMENT
CATEGORY: DEVELOPING A NEW TECHNOLOGY AND RENEWABLE
ENERGY

“PT Paiton Energy as a Pioneering solar photovoltaic development as a New Renewable Energy Learning (EBT) media in the community of schools (SMA Negeri 8 Malang and PP Annuqayah Sumenep) and reduction of using electricity with a capacity of 1059 KwP”.

Micro-Hydro Projects

Support for Environment and Energy Sustainability

PLTMH – BLK

The company installed Micro Hydro at the river at Desa Brigaan, Desa Sumberanyar adjacent to our Vocational Workshop. This facility was designed and fabricated in our Workshop.



Working at Vocational Workshop - the installation of Micro Hydro

PLTMH – Plaosan, Air Terjun Kali Pedati

The company supported Plaosan village in Krucil to optimize the MicroHydro project closed to Kalipedati Waterfall.



Company supports to provide Energy Learning House to optimize Micro Hydro Project in Plaosan Village

VI Conservation Area

Mangrove Conservation and Blekok Bird Conservation in Village Blekok

The company in joint cooperation with the government of Situbondo implements conservation initiatives of mangrove and blekok bird in Kampung Blekok, Kendit, Situbondo. The program consists of biodiversity research, local people empowerment in eco-tourism, establishment of Mangrove & Blekok Learning Center.





Blekok Birds



Kampung Blekok, Situbondo achieved 1st winner of Natural Tourist Attraction and award was given by East Java Governor, Khofifah Indar Parawansa, on 6th December 2019.



Mangroves for future – Investing in coastal ecosystems

Bio-Diversity Project

Support for Environment and Energy Sustainability

The company in cooperation with Indonesian Science Agency (LIPI) and Purwodadi Botanic Garden established and endangered trees.

Biodiversity Project at POH 2 at an area of 8,000 m². In this program, the company implements conservation effort of rare and endangered trees.

Preservation & Cultivation of Moringa Oleifera



Moringa tree can provide leaf for nutrition, oil for cooking and healthy skin, seed cake for water purification and wood to build shelter and keep us warm. Moringa Oleifera is known as “kelor” in Indonesia.

The Advantages of consuming Moringa:

- Moringa as a source of vitamins and minerals
The leaves of moringa tree are an excellent source of vitamin
- Moringa as a nutrient source
The pods are extremely nutritious, containing all the essential amino acids along with many vitamins and other nutrients.
- Moringa as a source of protein
Moringa trees are known to overcome protein deficiency as the leaves and other parts of the tree contain high amount of crude proteins and amino acids compared with soybean.
- Nutritional application of moringa
Moringa leaves are full of essential disease-preventing nutrients. Moringa is a natural, whole-food source for vitamins, minerals, protein, antioxidants, and other important compounds that our body relies on to stay healthy.

CSR supports:

- Plant 1000 moringa trees are being preserved and cultivated in the village of Sumberanyar.
- Plant moringa trees in the housing compound of POH2



INDONESIA GREEN AWARDS 2020 BIO- DIVERSITY PROJECT

Preserve and cultivate the "Moringa Oleifera" Miracle Tree to combat malnutrition of toddlers and children under five years-old in Probolinggo District.

Banyuglugur Carbon Storage Program at Selobanteng village

Paiton Energy started the forest conservation program in Selobanteng village in 2009 as a corporate social and environmental responsibility initiative, which involves many parties to improve the economic life in Selobanteng.

The forest conservation program in Selobanteng has achieved results, some of them are:

1. The company planted more than 150,000 teakwood and gamelina trees. With a survival rate of 105,077 trees will continuously produce oxygen. The government launched a program which generate economic benefit of Rp. 1.13 Billion for 5% of total trees: Kredit Tunda Tebang. This program involved 599 farmers beneficiary.
2. In 2014, the carbon captured at Selobanteng village is still low because the trees planted are still young and the carbon stocks will increase in size with the age of tree from year to year. 140.67 ton CO₂e/year in 2014 equal to absorb CO₂ emitted of 7,304 liters of gasoline or 6,582 liters of diesel fuel combusted.
3. In addition to carbon storage and economic benefit, the program also improves water capture area and prevents landslide.
4. In 5 years, carbon storing in the area is estimated to be about 140 tons. In 10-18 years, carbon storing is expected to increase to 420 tons.
5. Awards won:
In 2013, Selobanteng Village won 3rd Place in the DESA PEDULI HUTAN in Situbondo Regency.
In 2016, the Selobanteng Village Program received the “INDONESIAN GREEN AWARD” for biodiversity.



INDONESIA GREEN AWARDS 2017
Banyuglugur Carbon Storage Program at Selobanteng Village

VII. Contribution to Indonesian Society

Disaster Relief : Coronavirus Covid-19 Pandemic Paiton Energy Donates Medical Protective Equipments

PT Paiton Energy donates the hospital medical tools supplies to the central and local governments to overcome the COVID-19 pandemic. Donations were handed over to Persahabatan Hospital owned by the Indonesian government, Electricity State Company (PT PLN Persero), and the Government of Probolinggo Regency, East Java.

To support the hospital medical tools supplies, on April 6th Paiton Energy have donated 365 pieces hazardous material (Hazmat) clothes, 300 boxes @ 50 pieces surgical masks, 200 boxes @ 50 pairs of surgical gloves to Persahabatan Hospital directly with the total value of Rp.300 million. While through PLN on April 29th, PE donated 1,000 Hazmat clothes and 200 pieces surgical masks with the total value of Rp.300 million.

President Director of Paiton Energy Koichiro Miyazaki said the COVID-19 Pandemic problem was a problem for all of people. Therefore, the efforts to overcome them must have the support of all parties. "Paiton Energy participated in overcoming the COVID-19 Pandemic by donating the hospital medical tools supplies."

Hospital medical tools supplies is a very important resource in efforts to overcome the COVID-19 pandemic. Doctors and health professionals are the front guard so they must get adequate self-protection against the COVID-19 pandemic. All the donated medical tools supplies are premium quality products which meet the international medical standards.

Donations to Probolinggo Regency in the form of 100 Hazmat suits to hospitals in Probolinggo produced by local small business supported by the company. Paiton Energy also donated 120 litres disinfectant produced by our Lab for local hospitals. Paiton Energy also provided Cash Donation of Rp 10 MM to local foundation (Forum Kabupaten Probolinggo Sehat/FKPS –Namira) coordinating humanitarian efforts in Probolinggo. The fund was then utilized to purchase PPE and nutrients for medical teams engaging in Covid-19 mitigation in several hospitals.

Aside from donating to the hospitals in Probolinggo, Paiton Energy also supported the community by disinfecting local mosques especially before Friday pray.

Paiton Energy is also supporting organic farmers amid difficulties in marketing their produces. This is done by helping market their products for humanitarian supports coordinated by FKPS/ Namira Foundation and introducing Farmer Online Market to introduce farmers produces and access to wider market.



Mrs. Yudhida Hanafi handed over the Medical Protective Equipment for Persahabatan Hospital via the representative of PT PLN



Ms. Yuyun of CSR team PT POMI-Paiton Energy handed over 100 hazmat suits to hospitals in Probolinggo

Disaster Relief: Earthquake and Tsunami in Central Sulawesi (September 28, 2018)

Earthquake and tsunami struck the islands of Central Sulawesi on September 28, 2018.

Paiton Energy expressed deepest condolences and contributed at IDR 500,000,000 (five hundred million rupiah) for the survivors through Indonesian Red Cross (PMI) to overcome difficulties and disasters.



Mr. Koichiro Miyazaki, President Director of Paiton Energy handed over the symbolic contribution to Mr. Ginandjar Kartasasmita, Executive Chairman of the Indonesian Red Cross (Palang Merah Indonesia).



MENTERI ENERGI DAN SUMBER DAYA MINERAL

Memberikan

PENGHARGAAN

Kepada:

PT. PAITON ENERGY

Atas partisipasi aktif sebagai Tim ESDM Siaga Bencana gempa bumi, tsunami, dan likuifaksi
Provinsi Sulawesi Tengah 2018

Anggota tim:

1. Sahiruddin (Leader)
2. Handri Hariadi
3. Ismail Marzuki
4. Jamal
5. Nasiruddin
6. Zaki Novel

Jakarta, 30 November 2018

Ignasius Jonan

On October 4th, Rescue Team of Paiton Energy left for Palu to help the survivors.

Renovation Houses Program

Activity

CSR PT. POMI – PT Paiton Energy had renovation of houses program from 2017 – 2019. 10 units of houses of the residents in Sumberduren village, Krucil Sub-District had been renovated.

Objective

Finding houses were to be renovated so that the people of Sumberduren village, Kec. Krucil obtained a decent home.

CSR Support

Coordinating with the Sumberduren village government to always look after the renovated houses in good condition.



Before being renovated



After being renovated

Permaculture Program

Permaculture is a philosophy of working with, rather than against nature; of protracted and thoughtful observation rather than protracted and thoughtless labor; and of looking at plants and animals in all their functions, rather than treating any area as a single product system. The Pilot Project was conducted in Ngepung Village, Sukapura in 2019 collaboration with FKPS and IDEP Foundation.

Objectives

The program was conducted in Ngepung village to be appointed as a venue for the 3rd permaculture ethics throughout Indonesia after Bali (IDEP Foundation) and Yoyakarta (Bumi Langit).

Ngepung villagers (program recipients) especially farmers are able to increase long-term productivity of their offspring, protection and health in the surrounding environment and land tenants. Utilizing the local resources as much as possible to support the local economy. Protect nature by using renewable resources. Reducing waste, by reusing and recycling rubbish. Utilizing renewable energy sources.

The Successful Indicator of Program:

There is a change in community behavior supporting the environmental improvement for a better future life for the sake of the sustainability of nature and the continuation of life so that natural damage can be prevented and the earth is comfortable to be inhabited.

CSR Support

1. CSR PT. POMI – PT Paiton Energy attended Permaculture training in Bali on July 14, 2019 to understand the integration knowledge of fisheries, agriculture, animal husbandry, health, economics, and culture (local wisdom).
2. Implemented Permaculture Training in the CSR Program PT. POMI- PT Paiton Energy with FKPS.

3. The Pilot Project has been conducted since 2019 in Ngepung Village, Sukapura for 4 years in collaboration with FKPS and IDEP Foundation.



Site survey of Permaculture Program in Ngepung Village, Sukapura District, village treasury land as the location of Permaculture Program with an area of +/- 8900 m²



Hearings with the Regent about Permaculture Programs attended by the Chairperson of FKPS, CSR Manager of PT.POMI-Paiton Energy, BAPPEDA, Head of the Health Service, Head of the Environmental Service.



