

A Tree for Life Planting Report

Name of Donor: Square Resources Holdings

Date of donation: 17 August 2023

Number of trees planted: 50,000

Type of tree planted/Species: Mangroves, *Rhizophora Mucronata*

Location of tree planting: Pandansari Village, Kaliwlingi Village, Brebes, Central Java, Indonesia

Land covered: 5 hectares/50,000 m²

Carbon offset: 12.3 kg per year per tree x 50,000 = 615,000 kg/615 tonnes per year

Project Overview:

The mangrove planting project aims to restore and preserve the coastal ecosystem in the Pandansari Village, Kaliwlingi Village, Brebes, Central Java, Indonesia.

Photos: [link](#)

Location Information and Background:

Pandansari Village, Kaliwlingi Village, which is located in Brebes Regency in Central Java, is an area that was once famous for its dense mangrove forest.

In the 1990s, the government released several policies to support the Indonesian fishing industry. This policy was followed by clearing mangroves and turning them into fish ponds or shrimp ponds. The fishing and shrimp industry had become the backbone of the lives of many people in the coastal regions. However, with the proliferation of shrimp diseases and the banning of Indonesian shrimp exports by several countries, the shrimp industry was later wiped out. Many prawn ponds are left behind by their owners.

Today, the problem of coastal abrasion is increasing in various regions, including the coast of Pandansari, Kaliwlingi Village, Brebes. As one of the areas experiencing severe abrasion in Brebes Regency, the abrasion in Pandansari to date has reached an extreme level; 800 hectares of productive land has been completely eroded by seawater. One possible preventive effort is to plant mangrove seedlings along the coast or to reforest. The impact of

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the abrasion has been directly felt by the residents of Kaliwlingi who were directly adjacent to the disaster, such as rising sea levels and loss of aquaculture production land.

The mangrove planting program wants to slowly but surely restore coastal villages with all the habitats and ecosystems previously seen in this region.

Project Objectives:

- To plant local mangrove species along the coastline to enhance ecosystem resilience.
- To monitor the growth and survival rates of planted mangrove saplings and assess the project's overall impact, and planting at the appropriate tidal zones to ensure optimal growth.
- To attract various bird species, juvenile fish, and other marine wildlife back to the area, contributing to increased biodiversity.
- To work closely with, support, and empower local tree planters, KMPHP Mangrovesari
- To ensure local residents understand the importance of preserving the mangrove forests for generations to come

Benefits of mangrove trees:

Mangroves sequester massive amounts of carbon to combat climate change, adapt to rising sea levels, serve as nurseries in a vital food source for marine life and provide critical habitat for endangered species.

Mangroves have specialised root structures (breathing roots or pneumatophores) as a result of their physical adaptation to oxygen-poor or anaerobic sediments/soils. Mangrove forests are rich in biodiversity providing a habitat for wide varieties of animal and plant species.

They are dynamic areas, rich in food. Live and decaying mangrove leaves and roots provide nutrients that nourish plankton, algae, fish and shellfish. Many of the fish caught commercially in tropical regions reproduce and spend time in the mangroves as juveniles or adults. Mangroves also help other species survive, forming dense forests that shelter animals as well as shellfish and brightly coloured corals.

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Photos Documentation:



*Figure 1
Local tree planters planting seedlings, with two of IIF team members.*



*Figure 2
Students from local schools in Brebes, which participated in the Saya Pahlawan Lingkungan education program, learned to plant the seedlings on their trip.*



*Figure 3
Donation plaque erected to thank the sponsor who helped to make this planting possible.*

Press Coverage:

Reportase.TV:

<https://reportase.tv/rayakan-hut-ri-aktifis-lingkungan-gelar-upacara-di-pulau-pasir-brebes>

Tribun News:

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<https://jateng.tribunnews.com/2023/08/17/peringati-hut-ke-78-ri-aktivis-lingkungan-tanam-50-ribu-mangrove-di-pesisir-pantai-brebes>

Radar Tegal:

<https://radartegal.disway.id/read/662843/unik-upacara-17-agustus-2023-aktivis-lingkungan-brebes-gelar-di-pulau-pasir>

Pantura Post:

<https://panturapost.com/peringati-hut-ri-siswa-di-brebes-tanam-mangrove-dan-pungut-sampah-plastik>

We sincerely thank Square Resources Holdings for your invaluable support and belief in our cause. Without your generosity, none of this would have been possible. Your donation has directly contributed to improving the coastal environment and the lives of those who depend on it. Thank you for helping us towards our goal of reforesting 1 million mangrove trees in Indonesia!

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