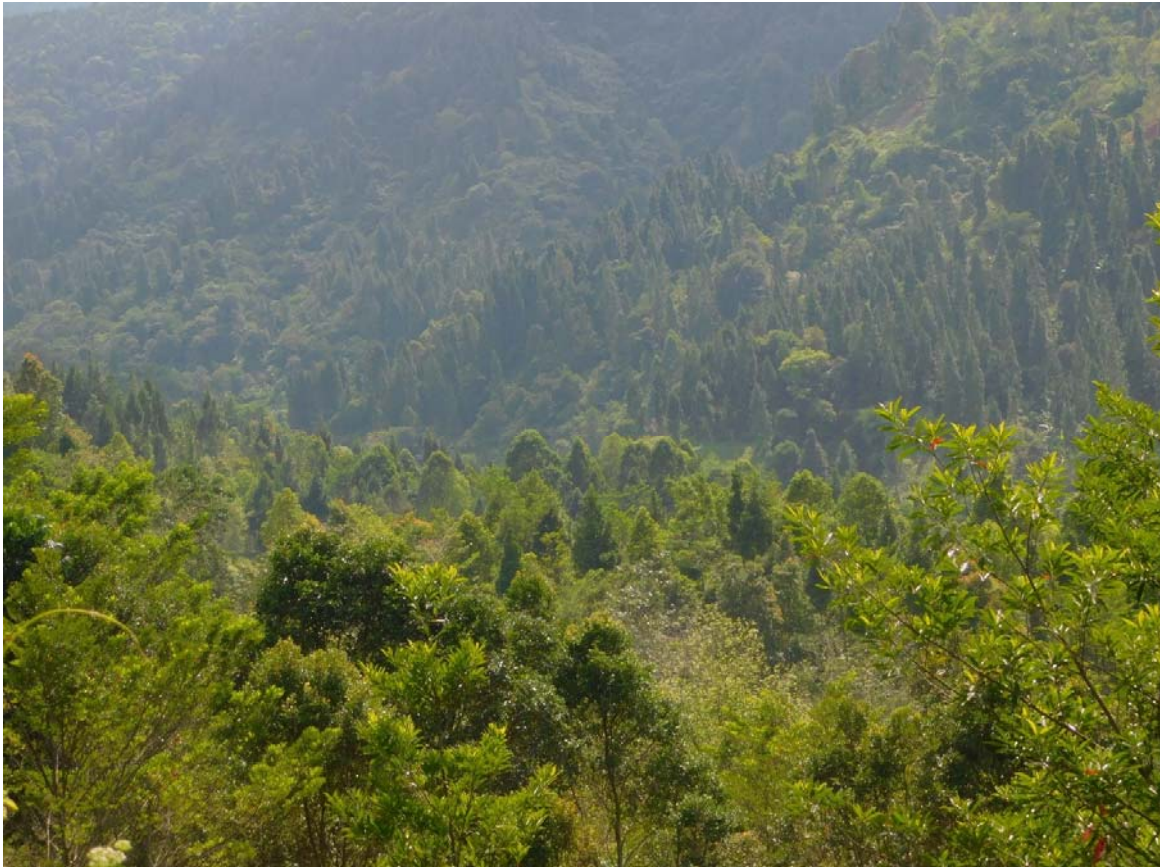


Indonesia

**Promoting Green Wall Program to Restore Ecosystem services of Gedepahala Landscape
News from the Field (July 2021–June 2022)**

**August 2022
Conservation International**



Forest restored as part of the Green Wall Program

14th year of the Green Wall Program

This partnership between CI, Gede Pangrango National Park and Daikin Corporation first started in 2008, and has now entered its 14th year. The program is designed to create 300 hectares of Green Wall consisting of 120,000 trees and vegetation through a community reforestation program at the targeted/upstream area. This will also provide direct economic benefits to local communities.

During the period between June 2021 and July 2022, several activities were conducted in the field such as continued monitoring and maintenance of reforestation efforts, conservation education, continued monitoring for animals, as well as monitoring and maintenance of signboards.

Continued Monitoring and Maintenance of Reforestation Efforts

CI has continued to monitor the reforestation site to check the impacts caused by factors such as weather, pests, and human activities in the surrounding area. Beside data collected in every annual monitoring, we also conducted general monitoring each month together with the park rangers and local community.

During the annual monitoring conducted in November 2021 with 35 local community members and seven park staff, we obtained data on the development of planted trees. In general, 97% of planted trees are growing well, with most of the trees bearing fruit. Ripe fruit seeds that have fallen to the ground have also started to sprout, indicating the natural regeneration process.

A comparison of data from the past three years indicates each tree is growing steadily.

Species	Average					
	Tree diameter (cm)			Tree height (m)		
	Jan. 2020	Feb. 2021	Jan. 2022	Jan. 2020	Feb. 2021	Nov. 2021
Rasamala (<i>Altingia excelsa</i>)	15.8	16.8	16.8	6.6	7.8	8.1
Puspa (<i>Schima walicii</i>)	11.7	13.5	13.7	7.6	8.1	8.6
Manglid (<i>Mangleitia glauca</i>)	12.9	13.4	13.7	7.1	8.5	8.8
Kisireum (<i>Neolitsea javanica</i>)	11.8	14.0	14.3	9.0	9.8	10.0
Suren (<i>Toona sureni</i>)	20.4	21.1	21.3	11.6	12.2	12.7
Lame (<i>Alstonia scholaris</i>)	22.4	22.4	22.6	8.9	9.5	9.8
Janitri (<i>Elaeocarpus pierrei</i>)	14.2	14.4	14.7	7.6	8.8	9.1
Salam (<i>Eugenia clavimirtus</i>)	13.2	14.6	14.8	8.3	9.5	9.8

Diameter and height of trees from the past three years (2020-2022)



Monitoring activity in the field



Measurement of tree diameter

Environmental Education

Children in the area are very curious and enthusiastic to learn about protecting nature and biodiversity. In August 2021, CI organized and guided 25 students from around the national park on an outdoor learning program. Participants learned and held discussions on the restoration buffer approach and how it helps the Green Wall and benefits the local population. Field activities were also conducted for participants to learn about vegetation by creating sample plots and counting tree species from the level of seedlings, shrubs, poles and trees. The participating children were fully engaged in the activities to learn about nature.



Discussion with students and practice through creating sample plots in Green Wall area

Monitoring of Wildlife in the Green Wall Area

The restored forest in the Green Wall Program serves as an important habitat for wildlife in the region. Each year, CI conducts surveys on wildlife in the Green Wall area to track changes in the number and species of wildlife. In July 2022, together with park staff and local community members, we continued to take inventory of species, with a particular emphasis on snakes, through direct observations in the Green Wall forest areas. As a preliminary survey, we recorded four species of snakes. Please see pictures below for the species.



Reticulated Python
(*Phyton reticulatus*)



Blunt-Headed Tree Snake
(*Aplopeltura boa*)



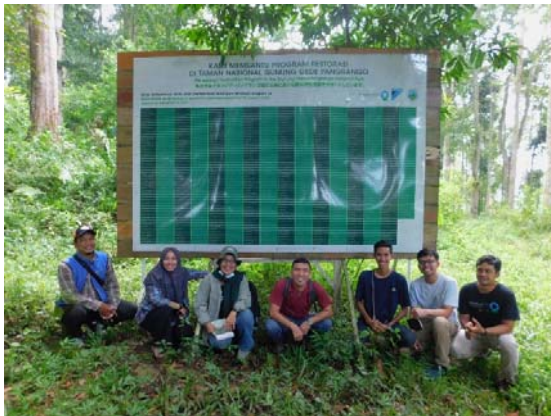
Green Vine Snake
(*Ahaetulla prasina*)



Painted Bronze-Back Snake
(*Dendrelaphis pictus*)

Signboards

Five project signboards have been installed on site, which are monitored by CI every month. In the last year, we replaced signboard (2) that had deteriorated between March and April, and added inscription of customers' names who have made a contribution to the air conditioner energy saving program.



Signboard 1



Signboard 2



Signboard 3



Signboard 4



Signboard 5

Publication of Guidebook to Share the CI Project Experience

The Green Wall restoration process is a good lesson for the implementation of ecosystem restoration in conservation areas. We have documented a lengthy process for 14 years in a guidebook so that it can be used as a reference for other regions in Indonesia. In June 2022, we published a Green Wall book with the title *From Barren to Humus, A Track Record of the Success of the Green Wall Program in Gunung Gede Pangrango National Park*. More than 100 copies of the book were printed and distributed among the Ministry of Forestry and national parks.



Cover of the finished guidebook

Next Year's Plan

We will continue to monitor the flora and fauna in the Green Wall area as well as the management of signboards and continue with conservation education activities for school students.

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