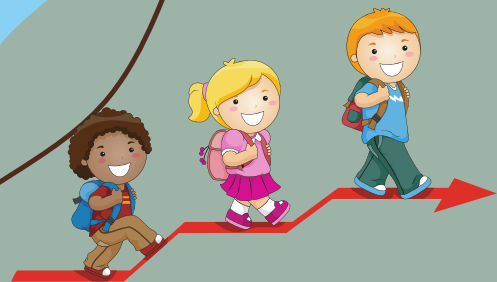


NJOGO BANYU



TIM BANYU

- M. Fathur Hajjan Shohwatul Islam
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1. THE BIG IDEA

1. Project background and context

The eruption of Mount Merapi in 2010 changed the landscape significantly. Despite being crucial for water sources, post-eruption land use changes have disrupted the delicate balance of nature. Many young children here take water for granted, unaware of its challenges. This little of awareness is evident in our education system, reflected in Indonesia's low ranking in the 2022 PISA report. We plan to address this by developing an interactive outdoor curriculum to teach elementary school children (ages 10-12) about water conservation.

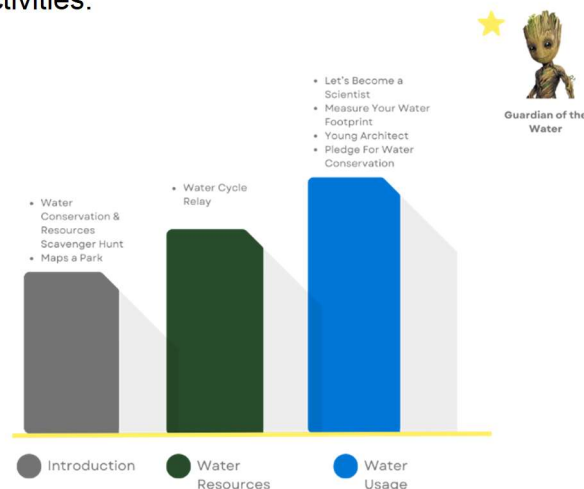
2. Project objectives

In the nJogo Banyu program, we envision an activity that can provide children with a sense of belonging, wonder and appreciation for the environment and water. Through collaboration and commitment to stakeholders, we dream of pioneering solutions that can realize Indonesia's golden age in 2045 in the hands of these children. Together, we strive to build a small ecosystem around us to collectively become subjects of education. These children will not only be treated as objects but also have a role in it.

- Ensure that the students can define water conservation & usage and its importance, water resources, and water hydrological cycle.
- Equip the students with the ability to demonstrate practical skills related to water issues.
- Improve critical thinking skills of the students by enabling them to propose innovative solutions to water-related issues.
- Encourage the students to adopt at least one new water-saving behavior at home or schools.

3. Project approach and methods

We will make a curriculum-based activity regarding water conservation related issues through interactive outdoor adventure. One curriculum contains 7 project-based learning activities within it. The students will participate in the activities facilitated by several facilitators and accompanied by the teachers. The activities will be held at Ledok Sambu, Yogyakarta. At first, we want to understand their imagination about the water, and then continue to outdoor and creative activities.



We encourage students to use cameras to be integrated into the activities as well as for documenting the activities from their direct point of view (POV) by capturing real-world experiences. We also provide educational resources that can be accessed centrally by the teacher using a cloud-based storage platform (Google Drive) and create an Instagram account so the public can view documentation of our project.

4. Project Impacts

The students will have awareness about water conservation, a strong connection, and a sense of wonder and appreciation towards nature, as at the end of the program, they will be titled Guardians of The Water.

2. THE PILOT

1. The Pilot Project

In this pilot project, we are implementing 3 project-based learning activities due to limited time. We have selected these project-based learning activities below to be implemented as a foundation for the students before moving on to the next project-based learning activities.

1. Water Conservation & Resources Scavenger Hunt

In this interactive activity, children form teams and embark on a mission to uncover hidden treasures related to water conservation and water resources. This activity will raise their awareness about the importance of water conservation and to identify water resources and its surroundings.

2. Maps a Park

The students embark on a creative journey through national park, where they sculpt intricate 3D maps using colorful plasticine to capture the beauty of rivers, mountains, and waterways. This activity will foster creativity and eco-consciousness through hands-on nature exploration.

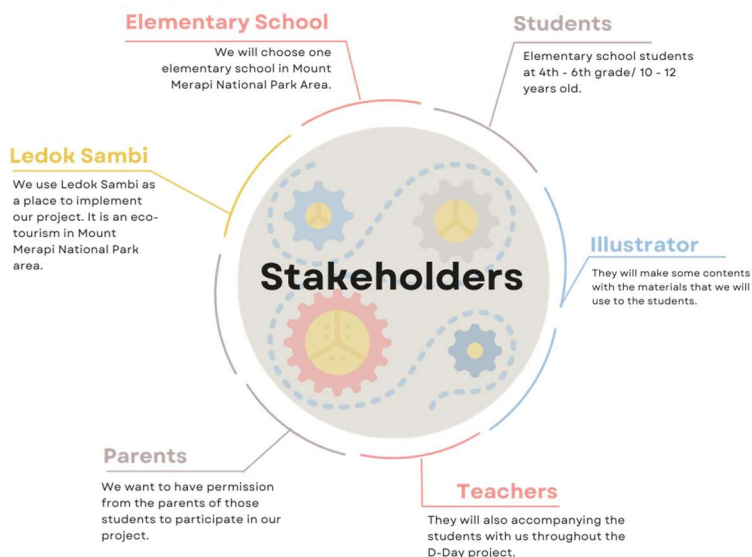
3. Water Cycle Relay

The students team up to race through the stages of the water cycle, from evaporation to precipitation. With buckets labeled as evaporation, condensation, precipitation, and collection, students work together to transfer water from one stage to the next. This activity will help these children to understand the stages of the water cycle in a fun and interactive way.

2. Pilot Project Timeline

Activity	March				April				May			
	Week				Week				Week			
	1	2	3	4	1	2	3	4	1	2	3	4
Project fixation												
Preparing materials for socialization to schools												
Socialization to elementary school												
Contacting Ledok Sambu and booking the place												
Contacting the illustrator												
Preparing materials, tools, and supplies for the project												
The day of the project implementation												
Project evaluation												
Uploading all the documentation on social media & Google Drive												
World Water Forum (18 - 14 May)												

3. Stakeholder Mapping



4. Budget Plan

Description	Volume	Unit	Unit Price	Total	Information
Site					
Ledok Sambu	40	person	\$ 4,17	\$ 166,80	The price already includes: 1 meal, and 1 snack, auditorium, electricity, mats/chairs, parking, retribution, and front field.
				Sub-Total 1	\$ 166,80
Transportation					
Tourist bus rental	1	unit	\$ 128,25	\$ 128,25	The price already includes: fuel, and crew (driver & conductor).
				Sub-Total 2	\$ 128,25
Resources					
Illustrator	1	person	\$ 19,24	\$ 19,24	
Documentation	1	person	\$ 19,24	\$ 19,24	
				Sub-Total 3	\$ 38,48
Materials					
Paper print A4 75Gr	1	rim	\$ 2,89	\$ 2,89	
Clipboard	30	unit	\$ 0,47	\$ 14,10	
Ballpoint Pen	3	set	\$ 0,69	\$ 2,07	1 Set contains 12 pieces.
Outdoor binoculars 30x60 (mini binoculars)	4	unit	\$ 5,32	\$ 21,28	
Instax mini rental	3	unit	\$ 4,81	\$ 14,43	
Instax square rental	1	unit	\$ 3,85	\$ 3,85	
Gopro 7 rental	4	unit	\$ 6,73	\$ 26,92	
Film instax mini	6	unit	\$ 6,28	\$ 37,68	1 Unit contains 10 pieces.
Film instax square	2	unit	\$ 9,94	\$ 19,88	1 Unit contains 10 pieces.
Chest trap action cam	4	unit	\$ 3,59	\$ 14,36	
Sony A6300 rental	1	unit	\$ 11,54	\$ 11,54	
Plywood (50cm x 50 cm)	4	unit	\$ 1,37	\$ 5,48	
Plasticine (brown)	4	unit	\$ 0,32	\$ 1,28	
Plasticine (blue)	4	unit	\$ 0,32	\$ 1,28	
Plasticine (red)	4	unit	\$ 0,32	\$ 1,28	
Plasticine (green)	8	unit	\$ 0,32	\$ 2,56	
Plasticine (yellow)	1	unit	\$ 0,32	\$ 0,32	
Plasticine (black)	1	unit	\$ 0,32	\$ 0,32	
Bucket	4	unit	\$ 0,64	\$ 2,56	
Sponge	2	unit	\$ 0,19	\$ 0,38	
				Sub-Total 4	\$ 184,46
Souvenir					
Jungle hat	40	unit	\$ 2,24	\$ 89,60	Custom
				Sub-Total 5	\$ 89,60
				Total (1+2+3+4+5)	\$ 607,59