



Njogo Banyu

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PRESENTATION
FINAL
GUARDIAN OF THE WATER



“All places are schools,
and everyone is a
teacher”
by Ki Hajar Dewantara



01

Njogo Banyu is an activity designed to teach children about the importance of water conservation through interactive outdoor adventures.

02

Mount Merapi is a recharge area, but after the eruption in 2010, resulted in changes to land use in the Merapi Area and everything has changed regarding the quantity and the quality of the water

03

Many of young children right now still taking water and the environment we live in for granted, they still have the mindset that water is always available.

Our goal is to empower children to have a connection with nature and water, so they have a sense of belonging to protect it.



Activity Book

Children getting a foundational awareness and knowledge about water conservation.

SITE GEOPARK

WATER CYCLE

WATER RESOURCES

WATER USAGE

WATER POLLUTION

Children applying the knowledge about water conservation in their daily lives.

MANAGING WATER RESOURCES



Water Conservation and Resources Scavenger Hunt

Identifying water resources in their surroundings and increasing children's awareness of the importance of water conservation.





Maps a Park

To enhance creativity and understand water catchment areas and its water cycle.



MAPS A PARK
PANDUAN MEMBUAT SEBUAH PETA SEDERHANA
GUIDE TO MAKING A SIMPLE MAPS

ALAT DAN BAHAN
TOOLS AND MATERIAL

- 1 BUAH TRIPLEK
 UKURAN 50X50 CM
 1 PIECE OF PLYWOOD
 MEASURING 50X50 CM
- PLASTISIN (COKELAT,
 HIJAU, BIRU, MERAH,
 KUNING, HITAM)
 PLASTICINE (BROWN,
 GREEN, BLUE, RED,
 YELLOW, BLACK)
- ALAT TULIS
 STATIONERY

LANGKAH
STEPS

- SIAPKAN SEMUA BAHAN YANG AKAN DIGUNAKAN
 PREPARE ALL THE MATERIALS TO BE USED
- SKETSAKAN PETA DI TRIPLEK MENGGUNAKAN PENSIL TERLH DAHULU
 SKETCH THE MAP ON PLYWOOD USING A PENCIL FIRST
- JIKA PETA SUDAH TERSKETSA DI TRIPLEK, TEBALKAN SKETSA MENGGUNAKAN SPIDOL
 IF THE MAP HAS BEEN SKETCHED ON PLYWOOD, THICKEN THE SKETCH USING A MARKER
- TERAKHIR, TEMPELKAN PLASTISIN KE TRIPLEK YANG TELAH DISKETSA
 FINALLY STICK THE PLASTICINE TO THE PLYWOOD THAT HAS BEEN SKETCHED

8



Let's Become a Scientist

Analyzing water quality in a simple way, and creating a simple water filter.



Simple Water Filtration



Water pH Test



Water Turbidity



Water Odor



Water Color



Tim Banyu

Pledge For Water Conservation

To increase a sense of responsibility in children towards water conservation behavior.





Result



DAFTAR ISI

- BAB I. TAMAN NASIONAL GUNUNG MERAPI — 1
- BAB II. SIKLUS AIR — 9
- BAB III. SUMBER DAYA AIR — 13
- BAB IV. PENGGUNAAN AIR — 24
- BAB V. PENCEMARAN AIR — 34
- BAB VI. PENGELOLAAN SUMBER DAYA AIR — 48

Book





What They Said?

"This is good, learning and playing. Coincidentally, there are 27 students in class 4, and apart from having this material in school, their acceptance is also quite understanding compared to children in grade 1 or 2,"



Suwarno, 4th teacher from SDN Purworejo

"We need to preserve water because people out there might not be able to experience clean water like we do, so we have to take care of it, and we have to be grateful for that water." - Isreel, 4th grade student from SDN Purworejo.

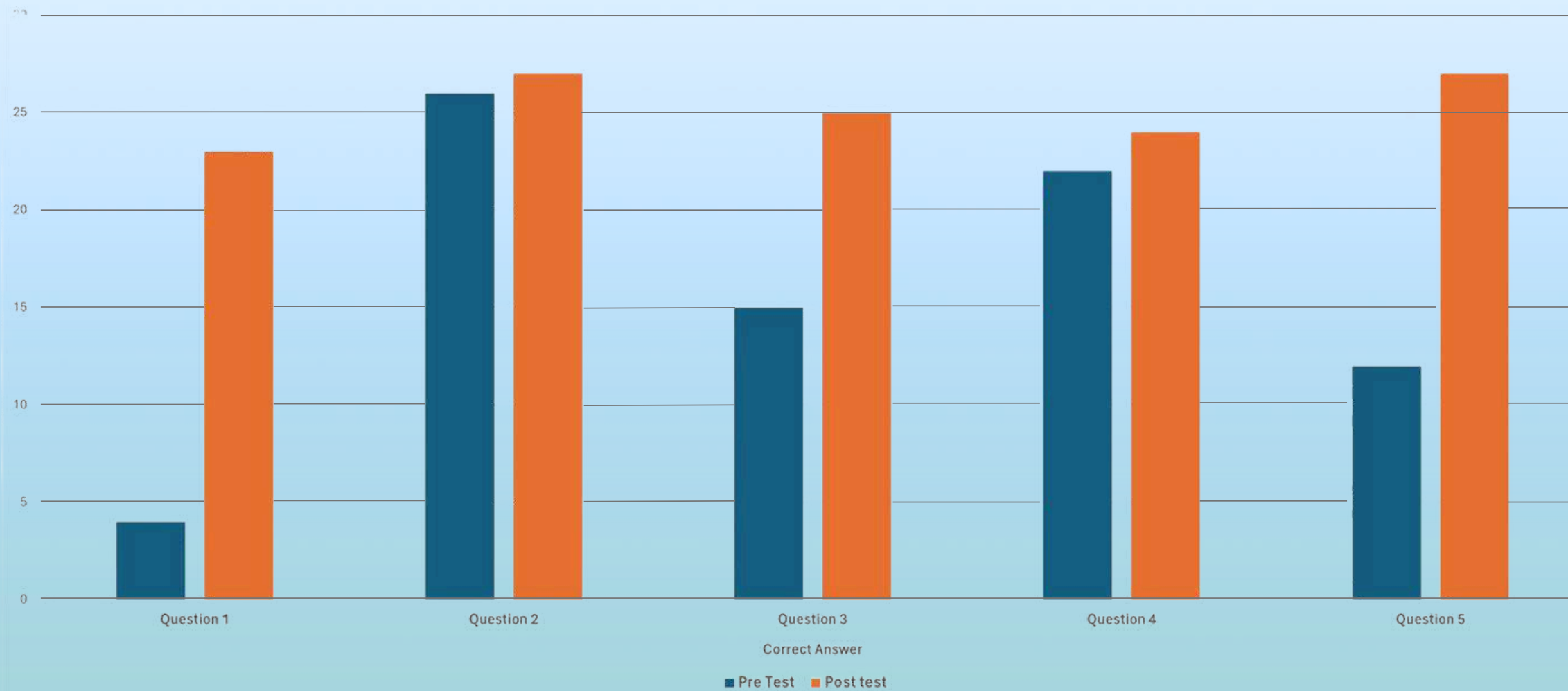


Isreel, 4th grade student from SDN Purworejo



Impact

Grafik Pre Test & Post Test



Pre-Test

Nama :
Absen :
Kelas :

1. pH air manakah yang menunjukkan kalau air itu asam?
 - a. 2
 - b. 8
 - c. 10
 - d. 14
2. Kegiatan manakah yang dapat menyebabkan pencemaran air?
 - a. Mematikan keran saat sudah tidak dipakai
 - b. Menggunakan deterjen ramah lingkungan
 - c. Membuang sampah sembarangan di sungai
 - d. Mendaur ulang plastik menjadi barang yang berharga
3. Berikut ini manakah tahapan-tahapan siklus air yang benar?
 - a. Kondensasi-Presipitasi-Infiltrasi-Aliran Permukaan-Penguapan-Transpirasi
 - b. Penguapan-Kondensasi-Aliran Permukaan-Presipitasi-Infiltrasi-Transpirasi
 - c. Penguapan-Kondensasi-Presipitasi-Infiltrasi-Aliran Permukaan-Transpirasi
 - d. Kondensasi-Aliran Permukaan-Presipitasi-Infiltrasi-Penguapan-Transpirasi
4. Yang termasuk sumber daya air di sekitarmu, kecuali?
 - a. Air sungai
 - b. Air PDAM
 - c. Air sumur
 - d. Air danau
5. Kualitas air dapat kita amati dengan berbagai cara, kecuali?
 - a. Bau
 - b. Warna
 - c. Volume air
 - d. Kekeruhan



Sustainability





Publications

News Jogja 24 Jam Sport Weekend Pendidikan Ekonomi Opini Visual Report Rame


Press F11 to exit full screen

Pendidikan

Tim Mahasiswa UII Ajak Anak-anak SDN Purworejo Rekreasi dan Edukasi Air

Fahmi Fahriza - Kamis, 25 April 2024 | 16:16 WIB

f x w



Segecap anak-anak SDN Purworejo, Pakem Sleman saat mengikuti rangkaian capacity building rekreasi dan edukasi air yang diinisiasi oleh tim dari mahasiswa UII. (Fahmi Fahriza)

[Jawa Pos Radar Jogja](#)

radarjogja • Ikuti
Daerah Istimewa Yogyakarta



Tim Mahasiswa UII Ajak Anak-anak SDN Purworejo Rekreasi dan Edukasi Air

radarjogja RADAR JOGJA - Empat mahasiswa Universitas Islam Indonesia (UII) yakni Aiko Sarasvaty Prabowo, Muhammad Fathur Hajjan, Noverli Sukma Melani dari Teknik Lingkungan angkatan 2020 dan seorang lagi Adhelia Agustina Pertiwi dari Arsitektur angkatan 2020 baru saja melangsungkan kegiatan edukasi dan rekreasi bertajuk Njogo Banyu, agenda tersebut melibatkan anak-anak kelas 4 SDN Purworejo, Pakem, Sleman, dan dilaksanakan di kawasan desa wisata Pulesari, Sleman.

Keempat mahasiswa tersebut tergabung dalam satu kelompok bernama tim Banyu dan program Njogo Banyu sendiri adalah implementasi lebih lanjut karena mereka berhasil lolos dalam pitching lomba bertajuk Water Resilience Program dari UNESCO.

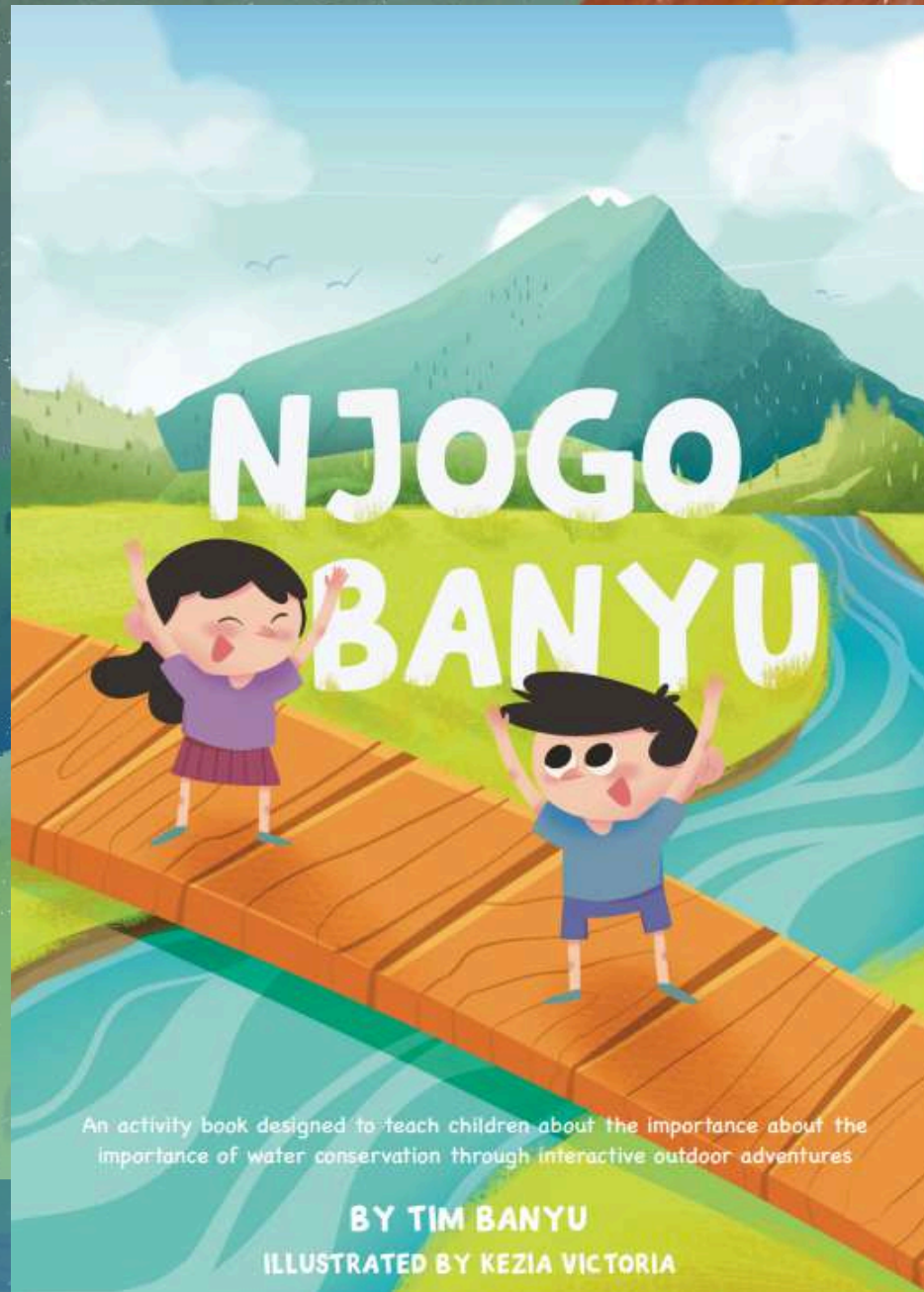
Aiko mengatakan, bahwa secara garis besar program UNESCO tersebut adalah mawadahi para peserta untuk menciptakan solusi berupa alat atau infrastruktur hingga aktivitas menjaga air yang edukatif. Dalam implementasinya, tim Banyu memilih anak-anak SDN Purworejo untuk terlibat dalam program mereka.

"Kami pilih SDN Purworejo karena kebetulan mereka juga berada di bawah kaki gunung merapi, dan penting untuk diedukasi..."

156 suka
7 hari yang lalu

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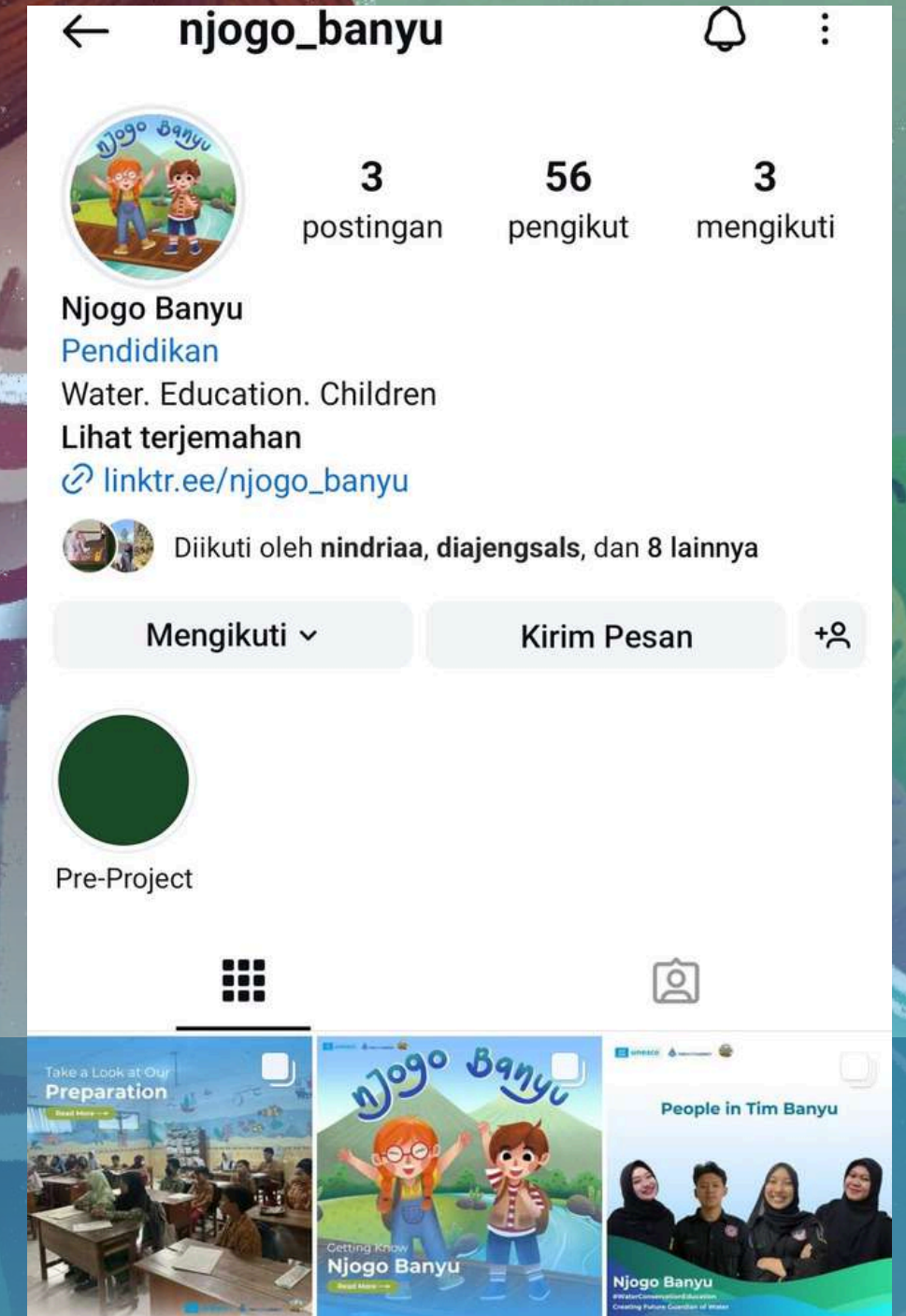
[Instagram RadarJogja](#)



Book
Link Book



Video
Link Video



Instagram njogo_banyu



NJOGO BANYU
SDN PURWOREJO
learning is fun and cool with
interesting methods, creating a bright
future

**THANK
YOU**