



Nazava
Water Filters

WATER ♥ THAT CARES

Drinking Water for Schools Program

Providing Drinking Water to Primary
Schools in Indonesia



Problem Overview

In Indonesia, 79 percent of schools lack access to clean water.¹

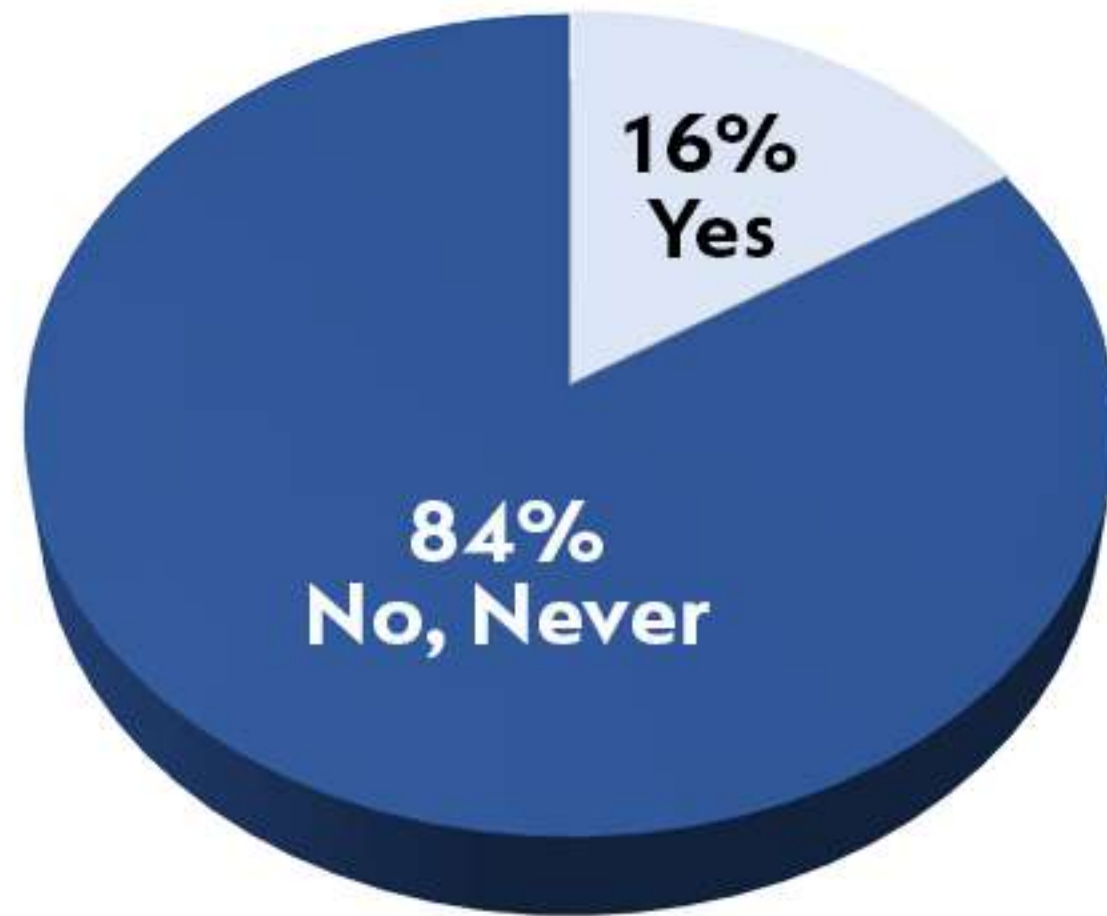
As piped water in Indonesia is not safe for consumption and other water sources are often contaminated, many children suffer from diarrhea, which causes them to skip school more often than needed.

Lacking safe drinking water, children often buy very sugary drinks from vendors near the school, which increases the risk of a myriad of health problems including diabetes and obesity. Buying bottled drinks also contributes to single use plastic waste.

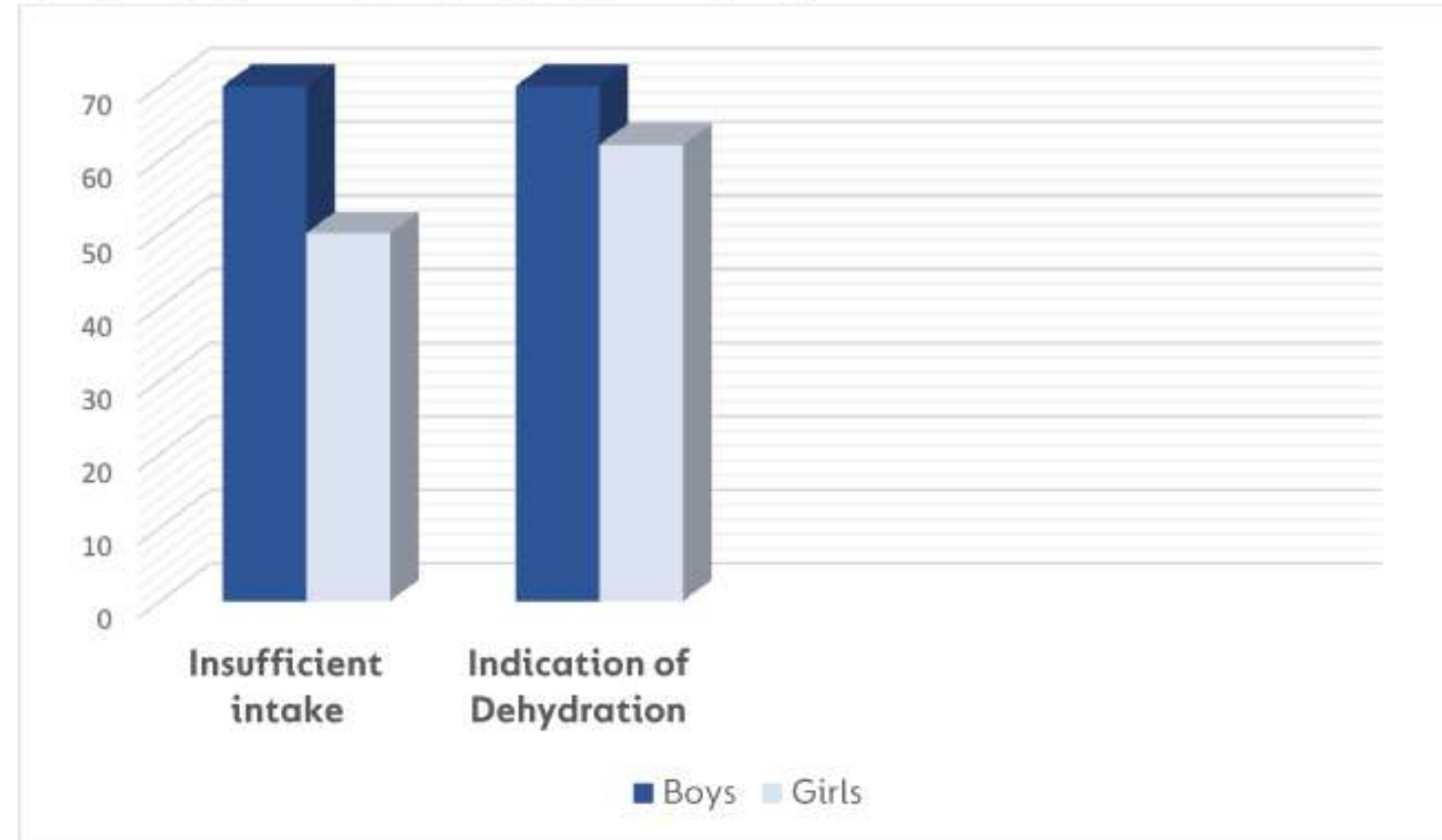


¹United Nations Children's Fund (2020). The State of Children in Indonesia – Trends, Opportunities and Challenges for Realizing Children's Rights. Jakarta: UNICEF Indonesia. (page 40)

The Majority of Indonesian Children Do Not Drink Enough Water at School



Students who say they drink water at school²



Research on water intake among Indonesian primary school students³

Risks from chronic dehydration

Kidney disease

Lower cognitive performance

Difficulty concentrating

Forgetfulness

Fatigue

Additionally, without water at school, students preferred drinking sweet drinks they purchased from outside. Excessive consumption of sweet drinks can have negative effects on a child's health including hyperactivity, behavioural changes, and early onset type 2 diabetes.

²Survey Data from Lebak School Project

³Briawan. D., Rachma, P & Anisa, K. Drinking Habits and Fluids Intakes of School Children in Urban. Journal of Nutrition and Food. 6(3) : 186-191. Bogor, Indonesia

Solution:

Drinking Water for just \$1.99 Per Student



Nazava Water Filters turn dirty well, tap or rainwater into water that is ready to drink, without the need to boil or use electricity.



Nazava Water Filters are affordable, easy to maintain and extremely durable, making them ideal for use in schools.



The fun and attractive shape of the filter encourages children to decorate and take care of the filters, providing a sense of ownership.



Through the sale of carbon credits, we are able to provide free spare parts to the schools, ensuring long term sustainability.



Nazava's Track Record Providing Drinking Water to Schools

Through partnerships with Kopernik, Social Impakt, Project Child, and Danone-Aqua, we have provided water filters to over 550 schools

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2016

Began working with foundations in Indonesia that provide drinking water to schools.

12000 Indonesian primary school children gained access to safe drinking water, mostly in Yogyakarta, Banten province, and Pacitan & Fak-fak regencies.



2019

Provided water in Bandung

Expanded impact by adding schools in Bandung and the West Bandung regency that participated in the program. Approximately 14,500 children gained access to safe drinking water at school.



2021

Nazava - Aqua Danone Safe Water for Schools in Lebak Program

Pilot project to provide drinking water to 150 schools in Lebak Regency, impacting 35,000 children.



2027

Future Plans

Nazava will expand its impact, providing safe drinking water to 50,000 schools by 2027.



2018

Provided Drinking water for primary schools in Cimahi

5 schools participated in the program, impacting 1000 children.



2020

Program Expansion

We invited other companies to work with us via their CSR programs to increase the impact of the school program.



2022

Continuing the Project with Aqua and Danone Communities

Expand impact by adding 420 schools to the program.



2021 Safe Water for Schools in Lebak Pilot Project

From April - December 2021, Nazava partnered with Danone-Aqua providing water filters to 150 schools, impacting 35,000 children with drinking water in Lebak Regency, one of the poorest areas in Java.



Impact Summary :

- 150 schools
- 34,625 students
- 82 percentage point increase in students who said they drink something at school
- Reduction of single use plastic
- Co2 emission reduction: 351.48 ton Co2 per year

2021 Safe Water for Schools in Lebak Pilot Project

A model for the future

What makes our model unique:



Education and Training

We understand that education is key to promoting behavioral change. That is why we offer interactive education sessions with the children on the importance of drinking water. Teachers and staff are also trained on how to use and maintain the filter.



Local stakeholder engagement:

Involving local stakeholders ensures the long term success of the program long after our intervention



Financing through carbon credits

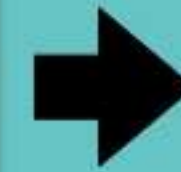
Replacement parts are covered by the sale of carbon credits, allowing us to provide lifelong service and spare parts free of charge.

Our work in Lebak Regency marks the beginning of Nazava's larger goal to provide water filters to 50,000 primary schools by 2027, impacting 7.5 million children. The success of the project suggests that similar projects can be implemented and scaled in other similar geographies throughout Indonesia.

Theory of Change

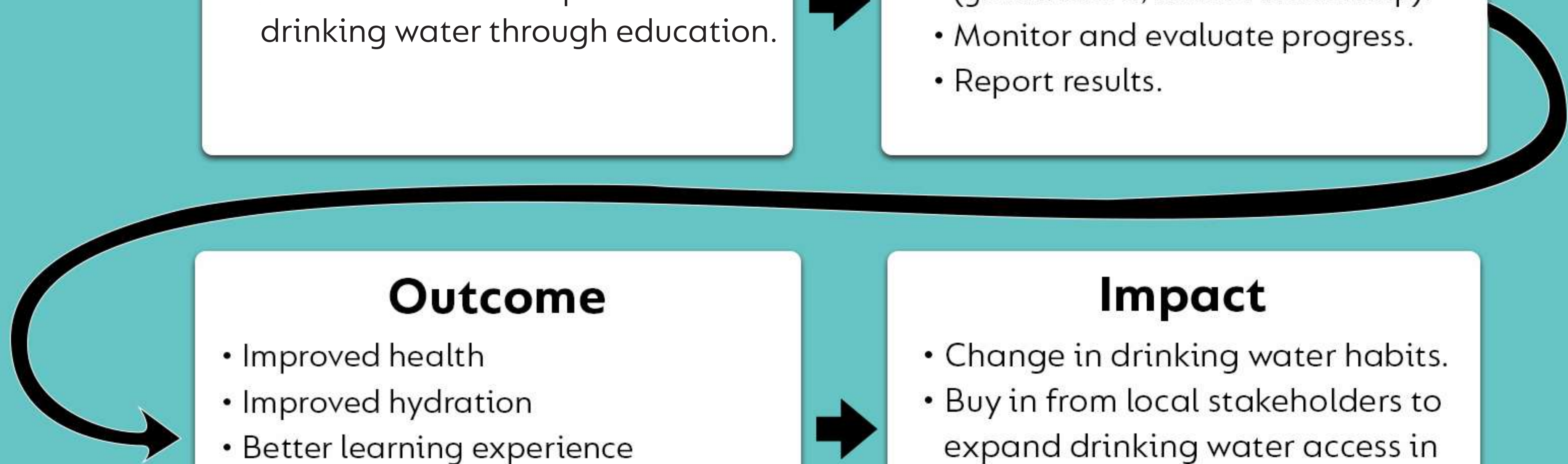
Input

- Safer drinking water at schools
- Awareness of the importance drinking water through education.



Action

- Involve local stakeholders (government, school leadership).
- Monitor and evaluate progress.
- Report results.



Outcome

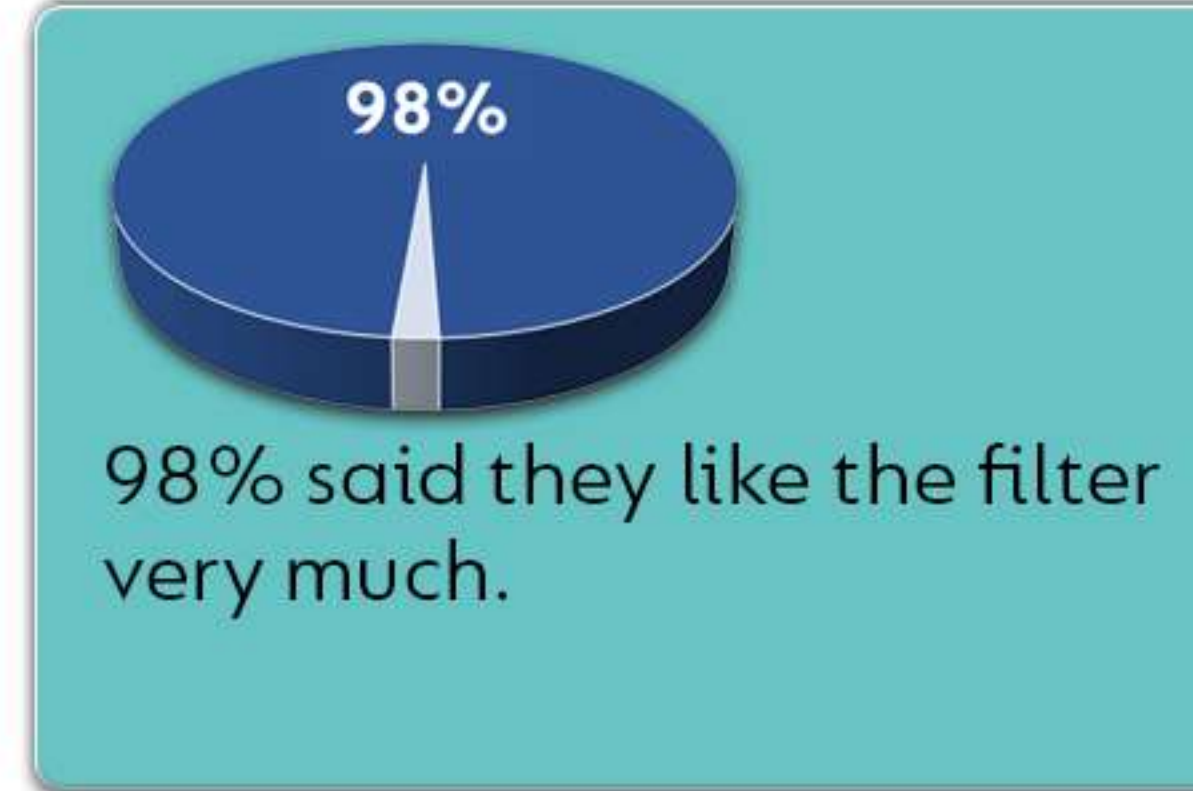
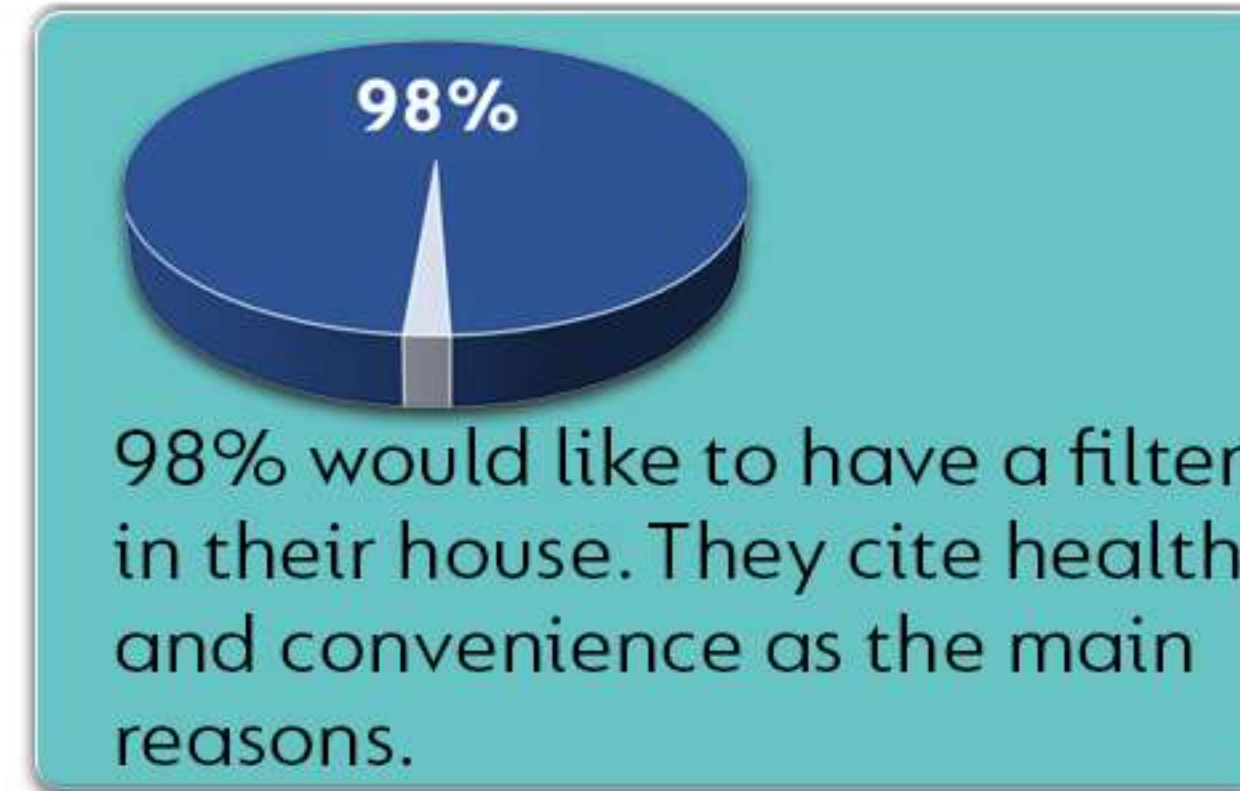
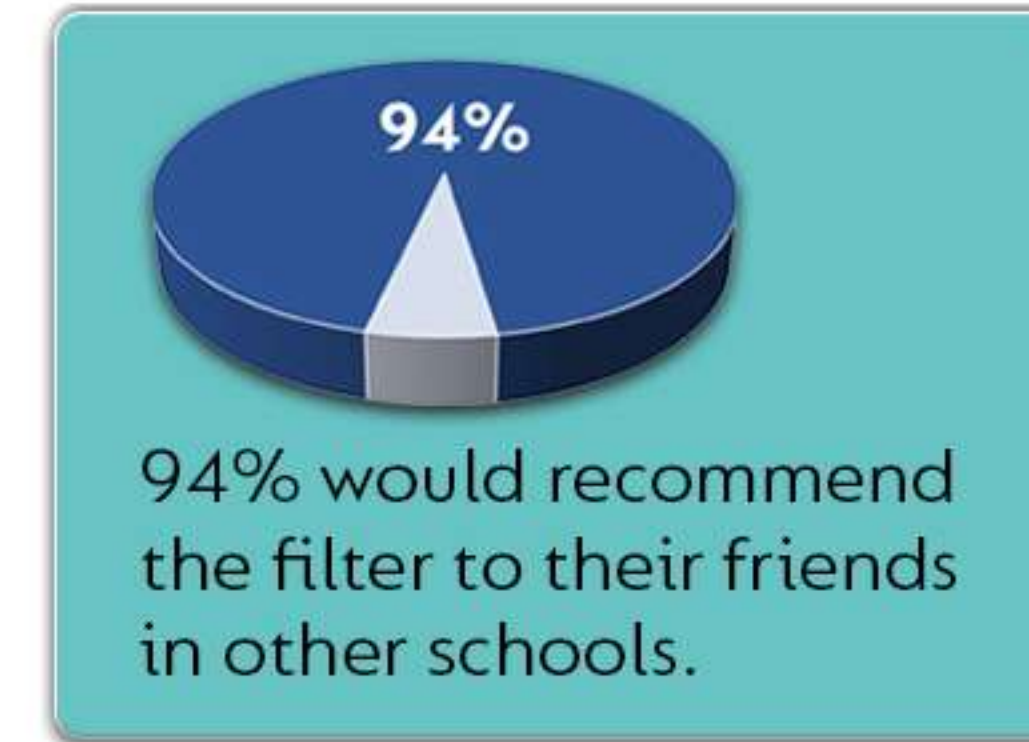
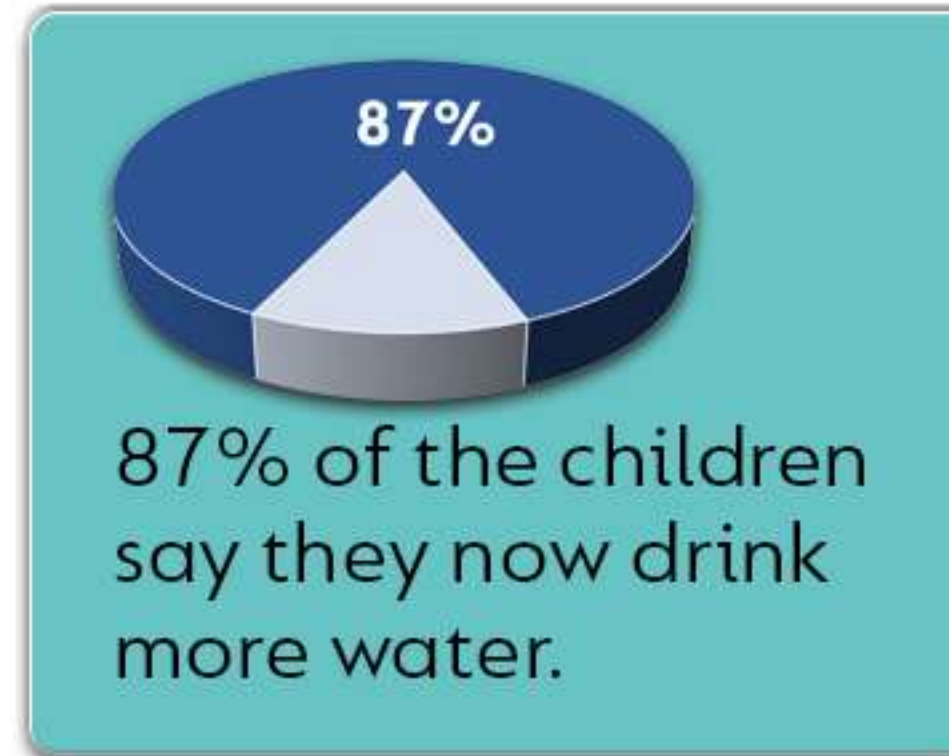
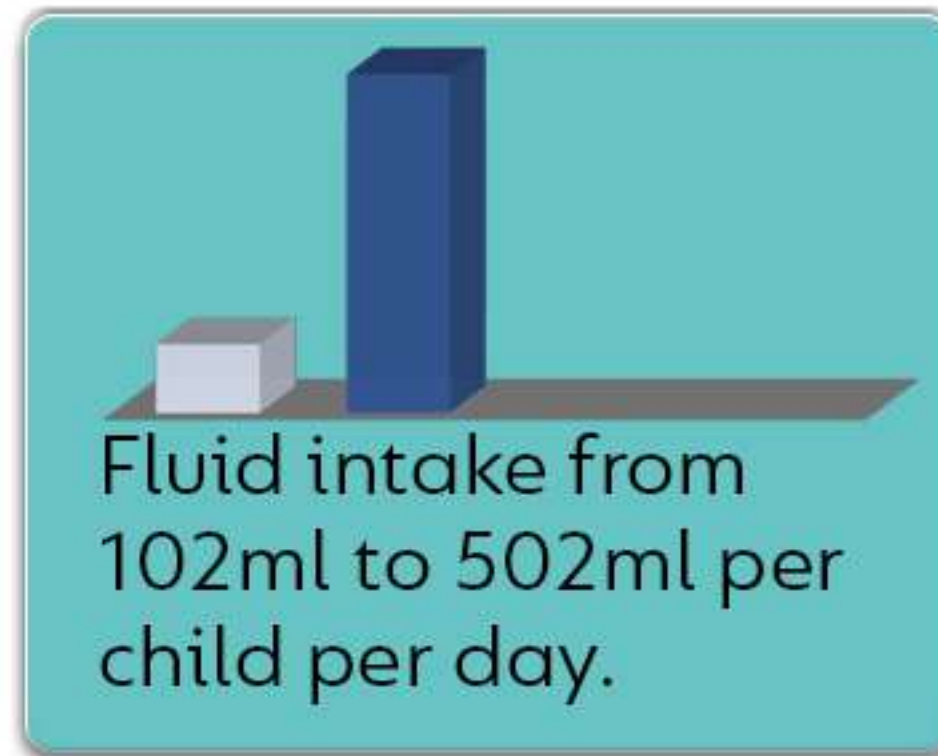
- Improved health
- Improved hydration
- Better learning experience
- Understanding of the importance of drinking water through lived experience.



Impact

- Change in drinking water habits.
- Buy in from local stakeholders to expand drinking water access in other schools/public facilities.

Results and Impact From Lebak Pilot Project



Students and teachers also reported better focus and stamina at school, aiding academic performance. This anecdotal evidence is backed by research that shows dehydration has a negative impact on academic performance.⁴

⁴Roberta Fadda, Gertrude Rapinett, Dominik Grathwohl, Marinella Parisi, Rachele Fanari, Carla Maria Calò, Jeroen Schmitt, Effects of drinking supplementary water at school on cognitive performance in children, *Appetite*, Volume 59, Issue 3, 2012, Pages 730-737

Impact Stories from the Safe Water For Schools In Lebak Program



“Since there is Nazava,
I often drink because the
water is fresh and very
tasty.”

(Wirdas, 8 year)



“I don’t buy drinks from
outside anymore because of
Nazava. The water is fresh
and free of contaminants.
I drink three times a day
at school.”

(Nuri, 8 year)

Future of Lebak Pilot Project - Expansion to 420 Schools

The schools and the Lebak Regency government were highly enthusiastic about the project. Due to the project's success the local government has since made the necessary funding available to expand the project to 420 other schools in the regency. Schools will obtain filters through one of the following ways:



Subsidized rental program paid for by the regional department of education. Schools will pay US\$ 0.02 per student per month.



Buy one get one free. Subsidized via partnerships with companies.

Schools will receive free maintenance and spare parts for life, financed by the sale of Carbon Credits.

Future of the Safe Water for Schools Project - Expansion to 50,000 schools

Nazava aims to further scale the success of the Safe Water for Schools in Lebak project with the goal of reaching 50,000 schools, impacting 7.5 million school children by 2027. A total of US\$12.3 million is needed to reach this goal. We will raise this using the following innovative financing sources:



Contribution from schools and local government

50% of the costs of the filters totaling US\$ 3.6 million will come from the schools and local government. Subsidized rental and buy one get one programs currently in use in Lebak will be replicated in other schools.



Financing through carbon credits

\$US 87,617 of revenue was generated through carbon credits in 2021 and we expect this figure to grow in the coming years. A portion of this will be used to finance replacement parts and maintenance free of charge for life.



CSR donor funding

CSR contributions and grants.

Acknowledgements

Working with the private and public sectors, 49,500 students now have access to safe drinking water.

We hope that these partnerships will continue until all schools in Indonesia have access to safe drinking water. We also hope to partner with other sectors.



Our Team



Guido



Lisa



Wela



Bibah



Prisca



Arya



Suyatno



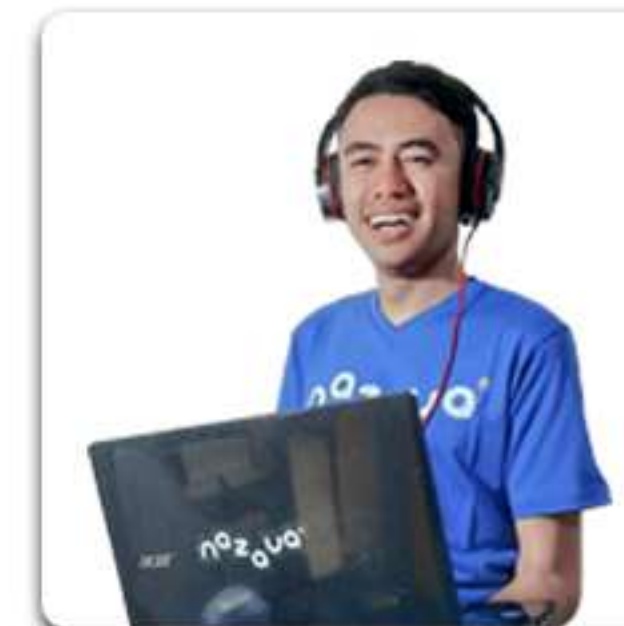
Permana



Subagyo



Ayie



Galih