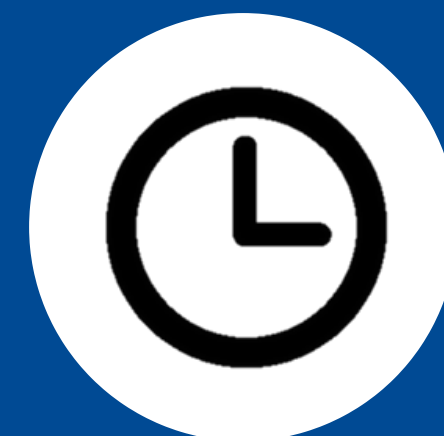


How to improve potable water quality for people at Santo Amaro

WE CAN DO IT





Our Partners

The big Problems

Santo Amaro of Maranhão

- Irregular ground wells;
- deeps of ground well has a bad construction;
- Water has taste, color and smell.

Santo Amaro has **15,654**
residents.

OUR TARGET??



30%

of the population are STUDENTS

Thinking about students situation...

**We planned a
recyclable filter**



Simple to Build



built with bamboo



Long term of life

Materials:

- **Bamboo**
- **Carbon Activated**
- **Filter wool**
- **bucket**
- **Stone gravel**

they have a good function to remove bad particles of water, taste, smell and color.

what Bamboo Filter has as differential?

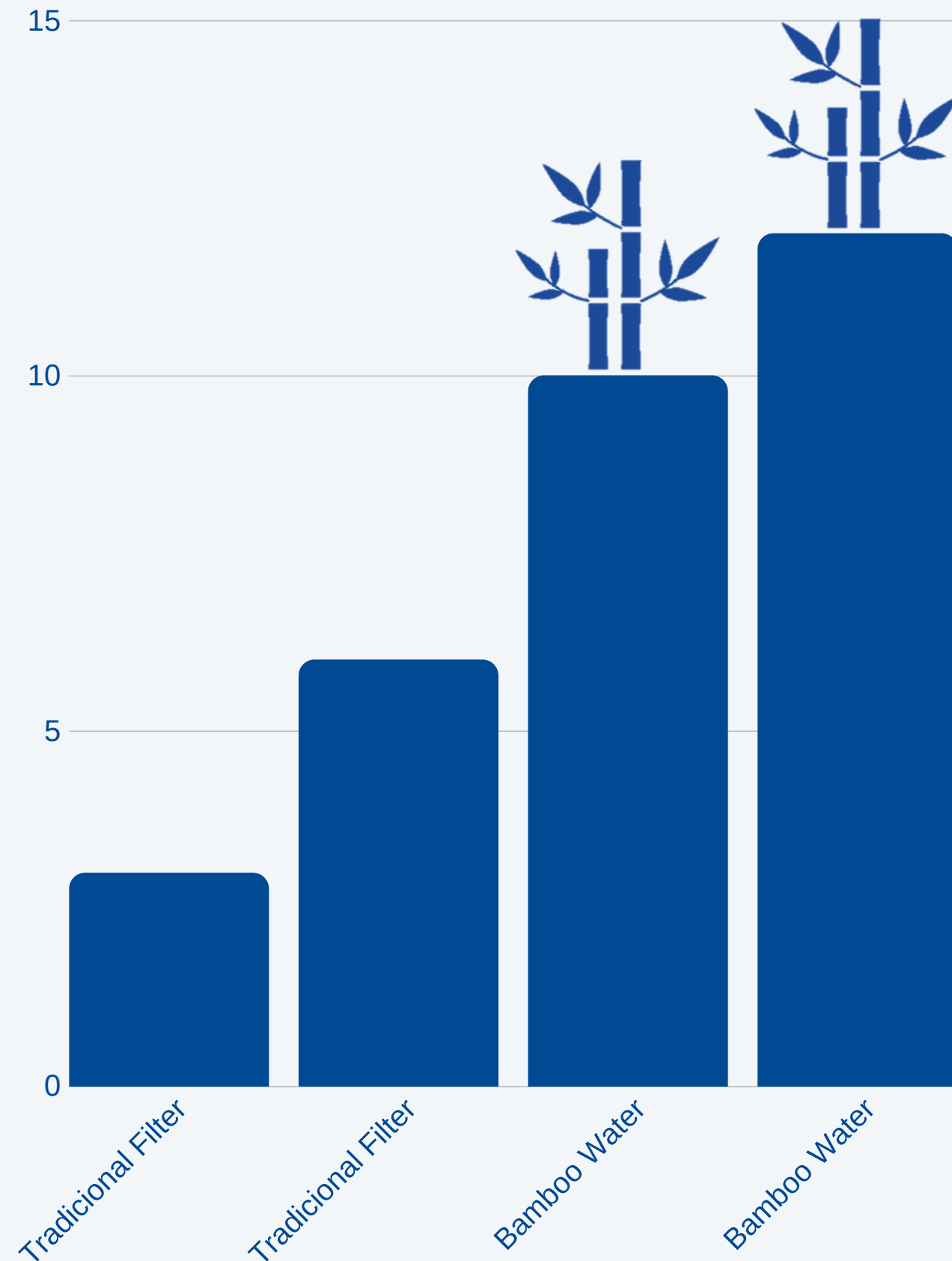


**"The Low cost is an
important key to a good
life "**

what else Bamboo Filter has as differential?

**"The time is friend of our
bamboo filter"**

Our filter can be in a good situation
until 12 month



RESULTS AND DISCUSSION



Bamboo has properties against micorganisms

By Articles and oficals website. (CAPES) (G1-Goiás)



Bamboo can last 39 years or more without some problems

by Oficals WebSite (Pensamento Verde)



95% of water is clean after filtration by carbon activated

by articles (CAPES)

OUR TEAM



Kristhyan Davinny
Stud. Tech. of dairy



Juliane Curtim
Stud. Chemistry Ed.



Héliida Thays
Stud. Civil Eng.



Javier González
Stud. MSc. Public. Adm.



Gabriel Victor
Stud. Mechanical Eng.

A group of people are sitting on the floor in a circle, holding hands. The image is overlaid with a blue tint and a grid pattern. In the background, there are names listed: Julianne Cutrim and Javier Penedo. The text 'WE CAN DO IT' is centered at the top in white. Below it, the text 'CLEAN water, LOW COST and HAPPY people, this is QUALITY of life!' is displayed in a mix of red and white.

WE CAN DO IT

CLEAN water, **LOW COST** and
HAPPY people, this is **QUALITY** of life!