

6 CLEAN WATER AND SANITATION



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Without water we can't live. Water supports out agriculture and aquaculture. Clean water is vital. However, due to bad economics or poor infrastructure, millions of people including children die every year from diseases associated with inadequate water supply, sanitation and hygiene."

(THE Impact Rankings)

382,116 m³/
382,106 m³

Volume of water used in the university : Inbound (treated/extracted water)

22,942

Campus population



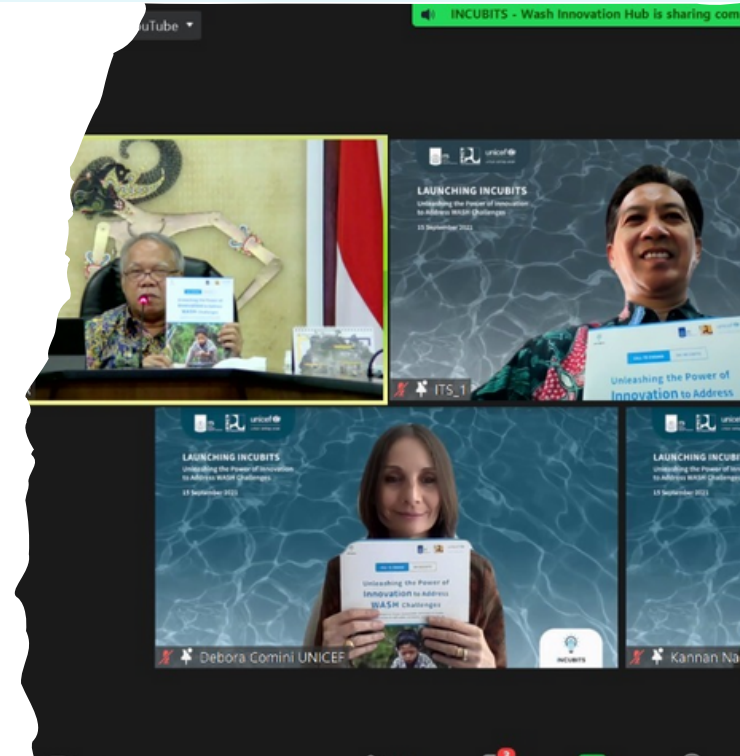
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WATER CONSUMPTION PER PERSON

ITS Supports Clean and Renewable Energy

Institut Teknologi Sepuluh Nopember (ITS) yet again started its newest innovative program to help the community. One of ITS innovation is Incubits. Incubits is a platform focused on WASH (Water, Sanitation, and Hygiene) by gathering and connecting startups in Indonesia. The Minister of PUPR highlighted challenges such as urbanization, climate change, and the non-optimal commitment of stakeholders that have resulted in many Indonesians lacking access to clean water and healthy sanitation. Incubits was created to support the government, especially the Ministry of PUPR, to provide access to clean water and healthy sanitation services as sustainable development.



WATER USAGE AND CARE

ITS and Wastewater Treatments



A team called TIRTA 62 consisting of three students from the Sepuluh Nopember Institute of Technology (ITS) has innovated the Self Clean Rainwater Harvesting Wastafel (Steril), a sink that is capable of purifying rainwater into clean water for hand washing. Steril was created based on data that Jakarta is experiencing a clean water deficit while Jakarta's rainfall has increased by 80% from the previous year. Therefore, to meet the need for sanitation with clean water during the COVID-19 pandemic, a sink design was made with a source of water that has been sterilized from rainwater. The TIRTA 62 team hopes that Steril will be further developed and researched so that sterilization efficiency can be increased up to 100 percent and be able to ensure the availability and sustainable management of clean water and sanitation for the community.