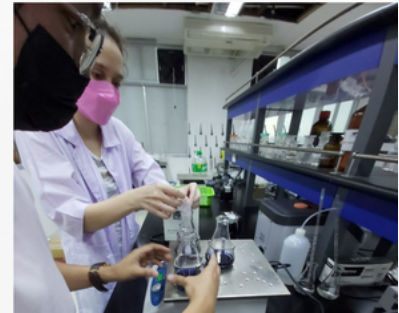




BATANGAS STATE UNIVERSITY

The National Engineering University

BATANGAS STATE UNIVERSITY CHAMPIONS SUSTAINABLE WATER SECURITY AT WORLD ENGINEERING DAY HACKATHON



On March 4, 2022, Team WONDERPETS (Water remediation using metal-organic framework DERived from PET bottles) from Batangas State University made the Philippines proud by winning the first-ever World Engineering Day (WED) Hackathon, an International competition that drew entries from 125 student teams from 23 countries around the world.

The challenge of the WED Hackathon was to demonstrate a sustainable engineering solution addressing a global real-world problem. Tackling “Water Accessibility in a Changing Climate”, Team WONDERPETS devised a water pollutant adsorbent based on a metal-organic framework, chemically recycling terephthalic acid extracted from PET bottles. The resulting material is extremely porous, cost-efficient, and reusable; thus, making it a sustainable means of removing pollutants from water.

The solution offered not only supports the 2030 UN Sustainable Goal (SDG) 6: “Clean Water and Sanitation for All,” but also SDG 12: “Responsible Consumption and Production” for its plastic recycling feature.

Source: Public Relations Office

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