

Indonesian women take on plastic waste brick by brick

June 5 2021, by Agnes Anya



Novita Tan launched recycling company Rebrick after Indonesia drew headlines as the second-biggest producer of marine waste in the world behind China.

Alarmed by the mountains of plastic waste leaching into Indonesia's waters, two best friends are taking on the environmental menace by

turning crisp bags and shampoo packets into paving bricks.

Ovy Sabrina and Novita Tan launched Rebricks after their country drew headlines as the second-biggest producer of marine waste in the world, behind China.

Indonesia has pledged to reduce [plastic waste](#) by some 75 percent over the next four years—a mammoth task in the Southeast Asian nation of nearly 270 million people.

The pair got their start two years ago visiting food stalls across the capital Jakarta on the hunt for discarded instant coffee sachets, dried noodle packs and shopping bags.

Thanks to a viral social media campaign, the pair now receive reams of plastic waste packaging from donors across the country.

That rubbish flows in daily and is piled high at the little firm's Jakarta-area factory.

"It shows how Indonesians have a strong awareness of recycling plastic waste, but they don't know where to do it," 34-year-old Sabrina said.

Rebricks staff mulch the packaging into tiny flakes that are then mixed with cement and sand and moulded into [building blocks](#).

They make look like conventional bricks, but break one open and it is dotted with flecks of plastic.



Rebricks now receives plastic waste packaging from donors across the country.

Tonnes of trash

The two entrepreneurs say their method diverts waste that would have otherwise ended up in a landfill or the ocean—about four tons so far and counting.

"Every day, we can stop about 88,000 pieces of plastic sachets from littering the environment," Tan said, adding that the company has produced more than 100,000 bricks.

Some Indonesian cities have banned single-use plastics, but waste

recycling is still rare.

The problem was underscored in 2018 by the discovery of a dead sperm whale that washed ashore in a [national park](#) with nearly six kilograms (13 pounds) of plastic waste in its stomach.

The Rebricks pair spent two years trying to perfect their method, and picked up hints from a building materials business run by Sabrina's family.

Some Indonesian entrepreneurs are molding plastic [waste](#) into flower vases, umbrellas or purses.



While some plastic waste in Indonesia is molded into flower vases or umbrellas, Sabrina and Tan thought they could reach a wider audience by making bricks.



The two women hope to expand their company, which employs four people, and said they were in talks with a big consumer-goods firm about a possible collaboration.

But the two women decided to focus on bricks so they could reach more customers.

"If our approach was to sell expensive decorative goods, there would only be a few people buying our products," Sabrina said.

The two women hope to expand their company, which employs four people, and said they were in talks with a big consumer-goods firm about

a possible collaboration.

Customer Andi Subagio said he had used the eco-bricks for repaving a restaurant walkway.

"They're not as fragile as conventional bricks because of the [plastic](#) inside," he said. "And it's about the same price."

© 2021 AFP

Citation: Indonesian women take on plastic waste brick by brick (2021, June 5) retrieved 24 May 2024 from <https://phys.org/news/2021-06-indonesian-women-plastic-brick.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.