SDG 12 – Minimisation policies extended to suppliers

PKM Universitas Sriwijaya manfaatkan limbah jeroan ikan untuk pakan

Palembang, Indonesia – Students from the Department of Marine Cultivation, Faculty of Agriculture, Sriwijaya University (Unsri) in Palembang, Indonesia, have developed an innovative snakehead fish feed using fish offal waste.

“The offal waste used is catfish offal, which is widely obtained from markets, restaurants, and other places that have been thrown away for free, even causing environmental problems, especially the foul smell,” said Ainun Mardhiyyah, the head of the Unsri PKM team, accompanied by members and the supervising lecturer Retno Cahya Mukti, S.Pi., M.Si., when presenting the results of the research to reporters in Palembang, Thursday.

According to Ainun, with the feed, based on the results of the research by the PKM team she leads with members Faddilla Amalia, Muhammad Azhari, Inggried Sinaga, and Syarah Putri Pratami, under the guidance of lecturer Retno Cahya Mukti, it can increase the growth and albumin content of snakehead fish.

To address the problem of high feed prices, the team succeeded in conducting research on the manufacture of snakehead fish feed using materials from catfish offal waste that can increase the growth and albumin content of snakehead fish.

The team's research used a combination of fermentation and extrusion to convert the offal waste into a nutrient-rich feed. The fermentation process helps to break down the proteins in the waste, making them more digestible for fish. The extrusion process helps to improve the texture of the feed, making it easier for fish to eat.

The team is currently working to scale up the production of the feed so that it can be made available to commercial snakehead fish farmers. They are also working to develop other applications for fish offal waste, such as using it to make fertilizers or other products.

The research conducted by the Sriwijaya University students is a promising example of how waste can be converted into a valuable product. The research has the potential to reduce the environmental impact of fish processing and create new opportunities for sustainable development.

Link: https://www.antaranews.com/berita/3118613/pkm-universitas-sriwijaya-manfaatkan-limbah-jeroan-ikan-untuk-pakan