

Empowering Ornamental Fish Farmers through Technology: A Study of Feed Fish Making in Yogyakarta City, Indonesia

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Abstract. This study aims to document the activities of empowering ornamental fish farmer groups through automation technology for making fish feed. The ornamental fish business focuses on how to cultivate fish so that the fish look beautiful and charming when they are contested. The more beautiful the appearance of the fish, the higher the chance of winning, so the more expensive the price of ornamental fish. Therefore, the composition of ornamental fish feed differs depending on which body part needs to be optimized. So far, ornamental fish farmers make their own fish feed manually according to their age and body part optimization needs, starting with grinding and printing small spheres of ready-to-eat fish feed. The empowerment activity aims to increase the productivity of fish feed production through the dissemination of technology for fish feed making equipment, which includes flour machines, mixing machines, and printing machines. Training on how to use and take care of the above machines and training on how to sell the fish feed products made were also carried out. Indicators of the success of empowerment activities are an increase in ornamental fish farmers' income, production capacity, and sales turnover.

Keywords: ornamental fish, ornamental fish feed, ornamental fish feed production equipment, empowerment