BLUIT AND DESIGN FISH FOOD PELLET MACHINE WITH A SCREW PRESS MECHANISM FROM RAW MATERIALS THAT HAVE BEEN FERMENTATION PROCESSED

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ABSTRACT

Organic waste such as vegetable markets, fish, seashells, potential as fish feed ingredients. The material still has enough nutritional value. One alternative to organic waste treatment process that is done to increasing the value of the process, fermentasi digest food, and reduce the content of antigizi. After fermentation, the process of printing materials to make finished or ready-made materials.

In the first planning mechanisms studied pelletizer machine. In planning to use the machine screw pressing of organic waste materials. Then be made to” Design of Fish Pellet Machine Manufacturers With Screw Mechanism Pres. After making tools perluh testing to determine the total force of the screw to move the material into the form of pellets which diinginkaan. so that the force and power of the engine and its component elements can be taken into account.

From the experimental results, obtained pellet geometry size 4 mm of the outer circle, with the screw turning torque force of 5608.32 kgf/mm and capacity tested of 1.3 Kg/hour.

Keywords: organic waste, Design Build, Fermentation Process, Screws Pres, Calculation