ABSTRACT

Dreshwater fishing is growing rapidly, particular catfish aquaculture. Catfish farming experiencing many problems one of which is a mass mortality in catfish.Mass mortality in catfish is influenced by many causes, especially because it is influenced by environment. Catfish environment is trongly influeced by the water temperature,

Water temperture measurements were performed by the catfish are still using the thermometer is done manually. Therefore, based on research conduted created a product that can detect the temperature of the water in automation that comes with alarm fuction t warn tat the catfish pnd water temperature is not in accordance with the standard method of product development Karl T Ulrich dan Steven D. Epinger .

The product uses sensors LM 35, sensors LM 35 that detect the temperature of the water when the catfish pond water temperature over the limit of the standard is 25-30 degrees celcius. With this automation products, is expected to reduce the number of catfish production in the catfish farming.

Keywords : catfish, water temperature, sensors LM 35, product design using method of Ulrich , automatitation