

## **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 strongly influenced by the water temperature,*

*Water temperature measurements were performed by the catfish are still using the Ph tester is done manually. Therefore, based on research conducted created a product that can detect the temperature of the water in automation that comes with alarm function to warn that the catfish pond water temperature is not in accordance with the standard method of product development Karl T Ulrich dan Steven D. Epinge*

*The product uses sensors Ph probe electrode, sensors Ph probe electrode that detect the pH of the water when the catfish pond water pH over the limit of the standard is 6,50-8,0. With this automation products, is expected to reduce the number of catfish production in the catfish farming.*

***Keywords : catfish, Ph of water, sensors Ph probe electrode***