

## ABSTRACT

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In feeding catfish are characteristic when the catfish are in need of food, catfish will make a splash in the water sound quite noisy and more. If there is delay in feeding the catfish will make a splash harder and make catfish else would get hurt, and it could be detrimental to the cultivation of catfish. Growth catfish would be great if the pH in the pool is maintained around pH 7 - pH 8. Therefore, note the exact time in feeding the catfish and the correct pH level in the pond catfish. Detailed checking and efficiently is needed so that the cultivation of catfish does not decrease. A good way of handling is to provide an innovation in catfish farming, namely the presence of Sound Sensor and pH Sensor. Sound sensor will capture splashes made by catfish and the data will send to the database. The results on the sensor indicate the normal conditions in the pond and catfish.

Keywords : Catfish Pool, Arduino Uno, pH Sensor, Sound Sensor, Database