

SYSTEM DESIGN OF DECISION SUPPORT SELECTION OF BETTA FISH SEED WITH WEB-BASED TSUKAMOTO FUZZY INFERENCE SYSTEM (FIS) METHOD

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ABSTRACT

Fish is one type of animal that is very popular to be kept. Children, teenagers, even adults are very fond of keeping fish. One type of fish that can be kept is Betta Fish (Betta). Betta fish is a fish originating from Southeast Asia, especially from Indonesia, Thailand, and Vietnam. Due to so many people keep Betta Fish, makes Betta Fish Breeders must be able to breed quality Betta fish. The main problem in breeding betta fish is the selection of quality brooders for determining the number of seeds. Many Breeders complain because the small number of betta fish seeds produced. With the development of increasingly advanced technology, there are many things that can be utilized. One of them is making a decision support system using the Tsukamoto Fuzzy Inference System (FIS) method to recommend the number of betta fish seeds. This system is made using the PHP programming language and Web basis. The Decision Support System for Betta Fish Seed Selection with the Web-Based Tsukamoto Fuzzy Inference System (FIS) Method, can help Breeders to recommend the number of Betta Fish seeds to be bred by trying the system to find out the number of Betta Fish seeds that will be produced.

Keywords: Betta Fish, Breeder, Decision Support System, Tsukamoto Fuzzy Inference System (FIS) Method