

## **ABSTRACT**

### **WEB-BASED FISHING INFORMATION SYSTEM DESIGN USING WATERFALL METHOD**

**(Case Study: Cilacap Regency Fisheries Service)**

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*Communication between enumerators such as Fish Auction Place (TPI) officers and non-TPI officers such as collectors, distributors and fishermen appointed by the government as joint responsibility for the Cilacap Regency Fisheries Service in collecting fish catch is still in the form of paper media (manual). In addition, there are restrictions on physical activity due to the covid 19 pandemic. Both of these things are the cause of delays in collecting fish catch data from the enumerators, so this study the authors created a website-based fish catch information system data program using the Waterfall method. The waterfall method is used because it can start from the system requirements phase and move through the analysis, design, testing and maintenance phases. The system developed is tested through black box testing, because black box testing can find faulty functions or execution errors, and other errors that cause inadequate functional results. So from the results of the design of the information system obtained some functionality that can meet the needs. This information system has been tested for function, the results show that out of 100 types of function tests, all of them get a Black Box Testing test score of 98%. This means that the design of a fish capture information system based on a website application is running well and as desired.*

**Keywords: Black Box, Information System , Waterfall, and Website**