

ABSTRACT

Prediction is a process of systematically estimating something that is most likely to happen in the future based on past and present information, so that the error (difference between something that happens and the potential forecast) can be minimized. Prediction does not have to give a definite answer to what will happen, but tries to find an answer as close as possible to what will happen. The method used in working on this system is the Waterfall method, in the Waterfall method it prioritizes a systematic and sequential approach starting from the analysis of system requirements to the system maintenance stage. The Waterfall stage consists of requirements, design, implementations, verifications, maintenance. Produce a prediction system for rice harvest potential using a certainty factor with rice harvesting factors as variables, namely planting method, planting month, rainfall, intensity of plant-disturbing organisms, soil type and fertilizer. This prediction system is programmed using the php framework codeigeneter 3 language.

Keywords: Prediction, Certainty Factor, Rice Harvest Potential