

# **Vanamei Shrimp Farming Forecasting System Using Exponential Smoothing Method In Shrimp Pond Groups Mina Bangkit Bersama In Banyuwangi Regency**

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## ***ABSTRACT***

*Vannamei shrimp is relatively easy to cultivate and is an alternative type of shrimp that can be cultivated in Indonesia. The MIBAMA group (Mina Bangkit Bersama) is a group of vannamei shrimp farmers located in Banyuwangi Regency, precisely in Karangrejo village. The MIBAMA group does not have an information system regarding forecasting that can calculate profits based on crop sales and also fixed production costs. Not only that, harvesting is also carried out without properly considering the amount of harvest, so often budget planning for harvesting is not appropriate. The provision of labor and harvesting equipment is also not suitable. Forecasting is predicting or predicting a situation in the future using past and present data to determine when an event will occur so that appropriate actions can be taken. This forecasting system is designed using triple exponential smoothing (TES) method, also known as the Holt-Winter Model, is a forecasting model that assumes that the method of calculating observation data has seasonal trends and variations simultaneously. It is hoped that this system can help solve the problems that exist in the Mina Bangkit Bersama Banyuwangi shrimp farmer group*

*Keywords: Vannamei Shrimp, Farmers, Forecasting, Triple Exponential Smoothing.*