Abstract
Sea waves are a natural incident where periodic increases and decreases in water waves, this increase and decrease is one of the important aspects of transportation and trade as well as to anticipate the potential for tsunami disasters in water areas. Knowing the future data about sea level waves can provide great benefits in the smooth running of transportation and trade in water areas. Data from the future can be obtained from predictions using certain algorithms. ID3 algorithm is a learning algorithm that is used to build a decision tree. The results of this analysis are in the form of a decision tree used to classifying sea level data with 83% of accuration.

Keywords: sea wave prediction, Decision Tree, ID3.