Abstract

The selection of good tsunami evacuation sites is one of the factors that influence the disaster mitigation process. Method ELimination Et Choix TRadusiant la REalite (ELECTRE) is one of the models that can be used to determine the best alternative of selected alternatives. By using the ELECTRE method it can determine the location of tsunami disaster evacuation in accordance with the criteria that have been determined by the Regional Disaster Management Agency of Bitung City. In this study will conduct an analysis to prove that the ELECTRE method can be used to determine the location of tsunami disaster evacuation from a number of alternative locations with predetermined criteria and thereby get the results of the analysis and calculation using the ELECTRE method resulted in the location of SMP Negeri 12 Bitung with has the total value of $E_{kl} = 1$ of 6, then according to the conclusion below the location serve as the best location to be the location of the tsunami evacuation point based on the criteria given by the stakeholders in this case Regional Disaster Management Agency Bitung.
References


Index Terms

Computer Science  Information Sciences

Keywords

Method ELECTRE, Tsunami Disaster, Evacuation Location