

## **Abstract**

The data is a key ingredient in getting information. Proper data processing can affect even the knowledge of useful information. One way to gain knowledge from the data is the process of classification. Classification process is strongly influenced by the condition of the data. Conditions clean noise-free data will cause data to be classified properly. With high-dimensional data certainly will have a very big process.

One of the common ways to solve the problem are irrelevant and redundant features using feature selection. Feature selection is a process of selecting relevant features for a classification process. one of the methods well-known feature selection is Fisher score, but the fisher score itself has some drawbacks such as it can't handle redundant features and can't hold a possibility of the presence of a subset of features in the data.

In this final project, we discuss a method that handles the weakness of the method of Fisher score, namely the Generalized Fisher Score and also conducted an analysis of the Performance of Generalized Fisher score methods as a feature selection. In addition to the final project is also trying to fix weaknesses in Generalized Fisher scores by providing modifications to the Generalized Fisher Score.

**Keywords:** Data Mining, classification, feature selection, Generalized Fisher Score.