

## **ABSTRACT**

The rapid development of data accumulation has caused a condition where the amount of data is unbelievably a lot but very little information from these data. Data mining is a mining or the discovery of new information by looking for patterns or particular rules of a number of large amounts of data. To produce information when performing data mining process constraints faced is the large amount of data so that the process performed by the CPU will run very slowly. To overcome this problem, the data mining process using GPU into one solution because it has parallel computing capabilities supported by CUDA in dealing with a slow running time so as to speed up the process. This final project discuss about the classification of data mining on the GPU by using Gaussian Naïve Bayes.

*Keywords: data mining, CPU, GPU, Gaussian Naive Bayes algorithm*