**ABSTRACT**

*Big data technology is a collection of data on a large scale, which has the characteristics of data varied, very fast growth and complex data. Complex data is unstructured data that needs to be specially processed with an infrastructure that can manage large volumes of data running in realtime.*

*For that required a method that is Mapreduce, in order to facilitate the computation to be performed on the big data. Mapreduce is used to compute data sets contained in the Hadoop Distributed File System (HDFS). The Mapreduce method can be transformed in various forms. With Apache Flink the Mapreduce method can be reviewed on different architectures.*

*In this final project data management is unstructured data in the form of text. Designing HDFS Applications on Linux operating systems and implementing Mapreduce methods. The mapreduce program is a number of word counting program using the function found in Apache Flink. In this study, Flink Mapreduce can perform faster computation of about 37.18% of Hadoop Mapreduce.*

*Keyword: Big Data, Hadoop Apache, MapReduce, Apache Flink*