

## **ABSTRACT**

*In the 21st century modern era is develop increasingly, one of which is much needed now is Data Science which is very useful for various companies collecting in collecting, reviewing, and analyzing existing data and problems. One of them is Dana Mining which is utilizing Clustering (grouping data). In this study, grouping health data on dengue fever, diarrhea, and tuberculosis which often occurs in City of Bandung based on the population and the number of people with dengue fever, diarrhea, and tuberculosis according their sex. The data used for this study came from Health Office City of Bandung and Department Population and Civil Registration Office City of Bandung.*

*This grouping data uses K-Means Clustering method. K-Means Clustering itself is grouping of data in several groups, where each cluster has the same characteristics. Clustering calculation uses the Euclidean Distance Space equation where the distance between data and centroid. This final project aims to analyze multifaceted diseases of dengue fever, diarrhea, and tuberculosis and build an interactive website that has ability to do classifying.*

**Keywords:** *Dengue Fever, Diarrhea, Tuberculosis, K-Means Clustering, Euclidean Distance Space*