

CHAPTER 1

INTRODUCTION

1.1 Background

In this present era technology were growing rapidly. The population has increased very rapidly. The growing population made a lot happen plagiarism. As quoted from tempo.co in cases of plagiarism that horrendous indonesia number 4. I Made Kartawan (2008). It is said that Professor Institute of Art Denpasar Indonesia, I Made Kartawan, accused of plagiarizing. Kartawan thesis in 2003 entitled the Gong Kebyar Barrel Diversity in Bali with the exact same research report entitled diversity in the barrel (Tuning Systems) Gambelan Gong Kebyar research Prof Bandem, Rai, Prof Andrew Toth, and Nengah Suarditha conducted in 1999 from the Udayana University.

In the modern era of growth that occurs very rapidly plagiarism often occur intentionally or unintentionally. Plagiarism can occur because the search is from the same source. Because of the frequent plagiarism, plagiarism detection program more and more popping up. One of the plagiarism detector program is a program of detection of plagiarism using the winnowing and clustering.

With the existence of a system of classification of the sentence using the method of Clustering and winnowing to determine the value of a sentence can be beneficial to the reader. Benefits of clustering methods and use their winnowing because they can obtain information immediacy between the other sentence with one sentence. Because it needed a system that can determine the grouping expressions. This makes authors interested in developing a data classification program.

1.2 Scope

Create applications that are able to detect the sentence based on the hash value and grouping expressions are textual in some sentences using a winnowing algorithms and clustering

1.3 Objective

A program that is created in this study only handle level grouping based on sentence.

A program that is created in this study using k-means clustering algorithm and winnowing

