Abstract

In the world of computer telecommunications become a major requirement , bandwidth , capacity and size of a file is very important when the amount of data transmitted or stored . In order size or bandwidth efficiency and higher capacity then developed a technique of data compression , the compression capacity to reduce the size of a file so that it becomes smaller than the size of the previous , another definition is to minimize the number of bits of data to represent data that contains information in accordance with the data before do the compresion. Studies program development and implementation of this algorithm is the comparison of the performance of the algorithm.

This compression aims to determine the performance of the algorithm to the data. To determine the performance results of the compression process is performed through the calculation of the compression ratio, the size of the compressed file , the speed of compression and decompression process . This paper discusses a data compression technique using techniques shannonfano with static and dynamic techniques using the data in the form of text.

For short text messages static method is more suitable in order to generate code and cascading less data but takes a long time to scan the letter , while text messaging long for dynamic method is more suitable to shorten the computation time but with cascading results output data which is slightly larger than the static method .

Keywords: Data Compretion , Decompresi , Shanoon fanno, static method, dynamic method