

Abstract

SMS is an application that is still used by many users. Sometimes in sending message, more than one unit pulses delivered. To save the cost of sending message, we need a method of compression that can shrink messaging charging units. Data compression is a way of encoding the data with the aim of discouraging media storage, transmission time, and cost. This final project will use Adaptive Huffman Coding compression method to compress the message.

The purpose of the SMS is to reduce the compression pulse unit incurred when sending the message so that the user can save costs.

Result from the study is the method of Adaptive Huffman Coding compression that is applied to the SMS application can reduce the charging units better than the method of Huffman Coding. Adaptive Huffman coding method has better performance and is suitable for use in compression applications SMS.

Key Words : SMS, compression, Adaptive Huffman Coding, Huffman Coding, unit pulse.