Abstract

Data compression is a technique to reduce the filesize from the original one. All types of file can be compressed. One of them is the WAV file (wave file) which is an high-quality digital audio files but has large filesize. Huffman algorithm is a compression algorithm that can be used for compressing these file. Huffman encoding method constructed from the codes that represent symbols. Symbols with high probability will obtain the shortest codes while symbols with the lowest probability will get longer code. WAV file consisted of chunk-chunk that represented in bitstream. This bitstream will be converted into a bytestream. Then the part of this bytestream called chunk data will be compressed . The result is a WAV file with smaller filesize for more effectiveness in terms of storage.

Keywords: WAV file, digital audio, compression, Huffman