

ABSTRACT

With the development of mobile device or gadget that have limited memory, makes the user need an application that use little free space of memory to compress file text that available in memory. So the application can reduce the used space from the memory. The final project is about compress the file text of "Hadits Sahih Al-Bukhari" using Burrows-Wheeler Transform, Move-To-Front Code and Run Length Encoding (RLE) sequentially. The best result is using Burrows-Wheeler Transform and Run Length Encoding with the length of block is 8192 and the average ratio of compression is 68.28%.

Keywords : *data compression, text files, Burrows-Wheeler Transform, Move-To-Front Code, Run Length Encoding (RLE)*