

ABSTRACTION

Data compression has become an important right now, where requirement for data and information will be increase as much as possible, but will use any media capacity storage media transfer or small. By using compression, data transmission will be faster and save time. One of the data compression algorithms are "Prediction by Partial Matching" (PPM) developed by Cleary and Witten were able to produce a very high compression rate.

In this final project, the author uses the method PPMC, which is then compared to the results of the compression with other lossless method is by Huffman method. From the test results, the obtained results an average compression ratio for Huffman method was 42.26%. While the PPMC method obtained results the average compression ratio of 68.72%. Thus, the compression ratio PPMC method is better than the Huffman method.