

ABSTRACT

Linear Congruential Generator and *Lagged Fibonacci Generator* are some random number generator algorithms. These random number generator algorithms can be used to make a game to test memory (recall test). In recall test, these algorithms, LCG and LFG can generate random numbers and letters. Both of algorithms are necessary to be compared to get randomice. Thus, it needs to calculate mean, variance, and deviation standard of the two algorithms to determine the most appropriate algorithm to be used in memory game. Numbers and letters are scrambled in time to be remembered by player, then player must enter back the numbers and letters into the system. The system will check if the user answers same as numbers and letters shown previously. Based on the results of statistical testing, it is known that LFG is more appropriate to be used in memory game.

Key words:

Tes recall, LCG, LFG.