

**USE OF LINEAR CONGRUENT METHOD IN COMPUTER BASED TEST
FOR CERTIFICATION OF EMPLOYEES OF PT GMF AEROASIA TBK.**

**Retno Dewi Irianti
15030007**

ABSTRACT

The test is something that serves to test the quality of something of intelligence, ability, learning outcomes. One of the results of the exam is used as a valid proof that can be used, for example for a promotion or graduation. The certification examination system at PT GMF AeroAsia Tbk is still using paper (Paper Based Test), the test organizer has to select the test results one by one and the participants have to go to the test room at the time and place determined by the test organizer. This examination system is considered ineffective. To resolve this, it is necessary to create a certification examination system that uses a computer to replace the current examination system. The system is designed as a computer based test using the Linear Congruent Method as a randomizer to order questions to save time and reduce paper usage, and guarantees the quality of the results of the exam more accountable.

Keywords : Examination, Computer Based Test, Linear Congruent Method, Paper Based Test.