

## **ABSTRACT**

Flight Simulator is a system that is conditioned for its use when doing flight simulator like real, the difference is this flight simulation in computer games and only the size of aircraft cabin or commonly called the cockpit. Over time toll or machine require checking or maintenance to maintain the condition of a machine so that it can work as it should. In this case flight simulator from Garuda Indonesia Company. Garuda Indonesia is the largest airline in Indonesia and of the companies owned by a state-owned enterprise there are; Transition Check, Daily Check, Monthly Check, Three Monthly Check, Six Monthly Check and Yearly Check. Maintenance that is often done by engineers request a lot of paper and the result in maintenance data can be easily lost and stacked with other files. To overcome the problems that exist in Maintenance, a maintenance check application was made to give a positive impact and make the maintenance process easier to do. In this Application there are several features including; Information about flight simulator, maintenance check and report check when engineers do maintenance, the data will be stored in the database using MySQL. MySQL IS A SQL database management system software (Structure Query Language) that is under the GNL (General Public License) and is open source. To manage the MySQL database, a web interface called Php MyAdmin is Used. With the Application, the authors hope to help facilitate engineers in carrying out maintenance checks.

Key Words : *Flight Simulator, Maintenance Check, My SQL, Cockpit*