ABSTRACT

PT. Dirgantara Indonesia is the aerospace industry's first aircraft and the only one in Indonesia and Southeast Asia . The company is owned by the Government of Indonesia. PT. Dirgantara Indonesia took on the task to design, calculate designing, tasking, calculate, build, run and do maintenance of the machines used in manufacturing aircraft parts either whole or in part and a small part. In PT. Indonesia has a lot of aerospace production machine support production process in terms of making the component parts of the aircraft as well as the Maintenance Surface Treatment areas which have a duty to perform maintenance and repairs in the event of damage to production machinery. But when damage occurs to the production machine operator had difficulty in reporting the damage is due to a somewhat constrained distance away and this resulted in the production process is inhibited. And in the scheduling process is dificult in searching for data on treatment of each production machine and it is much less effective.

Information systems development methods used in this study is the prototype by using the approach in the analysis and design of object-based. Development of software used to support software that is Netsbeans 6.9 and uses MySQL database processing Version 5.5.16.

From the results of this study researchers will eventually designing information systems that can help simplify the work in the area of Maintenance Surface Treatment in the reporting of data processing in both the production of engine failure, routine maintenance, scheduling and reporting of maintenance activities and improvements made.

Keywords: Information Systems, Maintenance, Repair.