

ABSTRACT

Today the competition in the manufacturing industry is getting tighter, so this requires the manufacturing industry to always improve the performance of its production process along with the increasing target achievement of the company itself PT. Dirgantara Indonesia is a manufacturing company engaged in the aircraft industry. At this time PT. Dirgantara Indonesia is experiencing problems in the assembly process of the aileron component, which is not yet able to meet the planning date in a timely manner. This problem occurs because of frequent delays in the aileron component assembly line. Delay occurs because the assembly line can not run due to lack of parts needed in the assembly of aileron components. The main cause of the lack of required parts is because the parts sent from the sub assembly store do not match what is needed. Therefore, we need a system that can meet the flow of clear information to reduce the occurrence of delays or delays during the aileron assembly process. In this study, a proposed Kanban System will be designed which consists of designing a Kanban card, a mechanism for using the Kanban System and calculating the number of Kanban cards, and an Electronic Kanban as a proposal to improve the flow of information in the aileron assembly process. The result of this research is a website-based Electronic Kanban System that has a function to facilitate the flow of information and can be accessed easily by parties involved in the assembly process of aileron components. So that there will be no shortage or excess number of parts to be sent to the assembly line, the assembly process runs smoothly, reduces delays, and long waiting times.

Keywords : Aileron, Kanban, Electronic Kanban, Delay, Pull System