ABSTRACT

PT ABC is a subsidiary of PT PINDAD which is located in Bandung and is engaged in manufacturing. Currently, PT ABC is experiencing the problem of delays in the delivery of these two parts to PT PINDAD due to the number of outputs of the two parts that do not match. The two parts are the main parts used to support the defense equipment produced by PT PINDAD. Parts A-14119 and A-15115 are experiencing delays due to information regarding the number of actual outputs with target outputs that have not been integrated as well as recording recapitulation which is carried out once a month, causing delays in making production decisions.

To overcome delays for parts A-14119 and A-15115, it is necessary to have a tool that can provide permanent or complete information regarding the amount of material and production information using Kanban. The results of this study will produce a web-based kanban system design for PT ABC which will be a production control that can provide information through the status of production activities and information about the amount produced in the production process. The design of this web-based kanban system uses the constant - quantity method with the Laravel framework.

The results of the design using a web-based Kanban can perform monitoring (monitoring) and tracking (tracking) between input and output by looking at the activity status of Do (Supply), Wait (WIP), Done (Finished Goods), which are reported visually in the form of CFD (Cumulative Flow Diagrams). Thus, companies can make decisions regarding detected problems, reduce delays, improve production process data accuracy, and increase the speed of updating data and real-time dashboards.

Keywords— kanban system, web, cumulative flow diagram