

## ABSTRACT

Indonesian Aerospace. Ltd is one of the manufacturing company in Indonesia which is engaged in the manufacture of aircraft design, development and manufacture of civil and military aircraft. The execution order process of aircraft components at MPM Machining Department Indonesian Aerospace. Ltd start after production planning activity. There are problems that occur at the shop floor that causes the delivery order delays. The response to the problems at the shop floor is often come late so that incidents delays of delivery order is frequently occur. During this time, data of status order in the company is not accurate because the data retrieval process is done manually. In this research is designed a improvement system with visual management approach that supported by an integrated system barcode based to improve the accuracy of the data and the response to the problems that occur in the shop floor. The improvement system is designed with AIDC infrastructure, data needed as input, and process improvement. The infrastructure needed consist of barcode as tools of AIDC technology, computer devices, integrated network connection, LCD monitor, and integrated database system. The data needed consist of JID, employee id, machine, completion status, and problem status. The process improvement to support this system are process of order execution and process of reporting problem.

**Keywords:** Visual Management, Order release, AIDC, Monitoring, Barcode, Andon