

ABSTRACT

Cylindrical & Boring Machine is a subdepartemen in Dirgantara Aerospace company that do the last section for create part of airplane component, that called boring. Boring is a process of enlarging a hole that has already been drilled by playing cutter. It is an important process and included in high precission process. Because of that, the machine operator must wellknow about the technique, process and supporting tools. In the fact, there aren't a media of knowledge sharing for employee because the learning process for the operator still in manual.

This research uses SECI conversion method consist of socialization, externalization, combination and internalization for collect and process the data. The knowledge that has been found, proceed by focuss group discussion method for make a best practice in boring process. For support operator's skill and knowledge, so an e-learning was design by using waterfall method that consist of requirements analysis, design, coding, testing and implementation.

Result of this research is an e-learning with best practice of boring process in CNC Boring. E-learning will be used for training the new employee in Subdepartemen Cylindrical & Boring Machine to support quality of learning, in that so the knowledge sharing can be documented.

Keywords: Knowledge, SECI, E-learning, Waterfall