

## ***ABSTRACT***

*CNC Boring on Cylindrical & Boring Machine Subdepartment is the final step to establishment of part in Indonesian Aerospace Company. Precision boring on CNC Boring requires accuracy infrastructure set up. Machines that are used in the boring process in CNC Boring is Yasda YBM-850V machine. Knowledge conversion is needed to gather knowledge about how to set up Yasda YBM-850V machine. The boring process in CNC Boring is based on tacit knowledge of each employee. So that needs to create a best practice about set up infrastructure of boring process for documenting knowledge. Knowledge sharing process in CNC Boring is still going manually, so that needs a digital media such as e-learning web based to support self learning and sustainable for employees.*

*This research uses the SECI conversion method consist of socialization, externalization, combination and internalization for conversion the tacit and explicit knowledge. The knowledge that has been collected will be used as best practice for companies using Focus Group Discussion (FGD). To support knowledge sharing about best practice then designing an e-learning using the Waterfall method. Waterfall method includes the step requirements analysis, design, coding and testing.*

*The result of this research is e-learning web based with learning features such as management of course, news, tests, reviews and forum. E-learning web based support employees to do self learning and sustainable, so that the process of knowledge sharing in the company can be documented and running well.*

*Keyword: Knowledge, Knowledge Conversion, SECI, E-learning, Waterfall, Focus Group Discussion (FGD)*