

ABSTRACT

Manufacturing Process Laboratory is one of laboratory under Teknik Industri Program at Rekayasa Industri Faculty, Telkom University. To support laboratory activities, manufacturing process laboratory have CNC Turning machine. The machine was ST-20 type and produced by Hass Automation Inc. Apart of study and research, this machine was used for producing part, one of the part produced is part XYZ. This part use dural as material with length of 2-4 meters, and was produced in large number (mass product) which is needs continuous production. In order to do the continuous production on CNC Turning a feeder was needed. This research will designing the best concept and product architecture for feeder using generic product development. The result of this research is a concept and product architecture for HAAS CNC Turning machine feeder. This research begin with the problem : producing xyz part continuously. After all data collected the concept for feeder using generic product development established. The development process will generate a concept and product architecture which is the output of this research that will become input for the next research phase.

Keywords : product design, concept development, product architecture, feeder, CNC Turning