

ABSTRACT

PT Karya Kita is company focused on printing, located on Sekarno-Hatta Bandung. In the calendar printing process, PT Karya there is calendar clip installation process. In the process of installation calendar klip there are three stager to concatenate clip with calendar paper.

For each installation calendar clip takes 10 seconds. By using Framework Mechanical Design, author redesign the calendar clip machine to minimize the processing time in installation clip calendar.

Framework Mechanical Design is product development method which basically involve the specification of components, engine design, including the design process, and the principles of the mechanical elements.

Ulrich-Eppinger method used for products which are commercial. And focus on the needs (needs) of consumers. Meanwhile, Mechanical Design Framework is used for products that are not for commercial purposes. But has added value to a company or organization. And according to the specifications required by a company or organization.

The author redesign the calendar clip machine on installation clip calendar process to minimize the processing time by using Framework Mechanical Design and tools are used to adopt from Ulrich-Eppinger method. The result obtained from the stages of Framework Mechanical Design is a draft redesign calendar clip machine that is expected to minimize processing time in installation clip calendar.

Keyword : Framework Mechanical Design, Ulrich-Eppinger, Calendar clip machine.