

## **ABSTRACT**

CV. Mandala Logam is a company engaged in the manufacture of rubber and plastic spare parts. Currently many products that are produced is rubber ring. Rubber is a rubber ring-shaped circle that serves as a connector and lock pipe joints. Ring rubber product design is usually adjusted to the pipe from customer. In the process, such as design, CV. Mandala Logam still do not have standard procedures regarding the process. Based on the issues raised in the CV. Mandala Logam need for standard procedures and structured, so the number of product defects can be minimized.

To overcome it needs to make a framework of procedures for the product design process based on ISO 9001:2008 rubber ring clause 7.3 and also recommendations for resources to execute a given procedure. The method used is to identify gaps gap I and II. Gap I, which compares existing processes currently running with the requirements of ISO 9001:2008 clause 7.3, whereas the second gap is the identification of the existing condition of the organization with the proposed procedure.

Results showed that to meet the requirements of ISO 9001:2008 Clause 7.3 in the CV. Mandala Logam, needed 3 proposed procedures, 6 additional forms, and 6 recommendations of resources so that the organization proposed procedures can work well.

Keywords: Rubber, Rubber Ring, Procedures, ISO 9001:2008 Clause 7.3