

## **ABSTRACT**

### **PROPOSING PRODUCTION QUALITY IMPROVEMENT OF SIGNORE FULL BLACK SHOES BY USING FAILURE MODE AND EFFECT ANALYSIS (FMEA)**

**CASE STUDY: CV. MARASABESSY**

**CHAKRA DANISHWARA**

**NRP : 133010071**

*The problems in quality especially in defect products often occur in the production process. Therefore, it is necessary to have quality control by taking into account when the production process takes place from upstream to downstream. Quality control is used to protect the production process so that it can minimize the decrease of quality in which the product produced does not meet the predetermined quality standard and with the occurrence of the event can cause additional cost and additional time to do the rework or reject to the production goods. Quality problems currently occur at CV. Marasabessy. CV. Marasabessy produces several kinds of shoes every month. Shoes making go through several processes such as suturing, shoes patterning, unifying out soles and in soles of shoes, pressing process, finishing product, to packaging. These activities always run sequentially from the entry of raw materials to finished goods. Production process at CV. Marasabessy is still done manually like sewing shoes and only using some old machines like sewing machines and press machines. Environmental conditions that are less supportive with the noise can be one factor. By creating a quality control chart using the P chart to control the proportion of attribute data based on the number of Signore Full Black shoes defects. Find the root cause by using Cause and Effect Diagram. Determine the priority factor for improvement that will be done by using Failure Mode and Effect Analysis (FMEA) in order to identify, set priorities and eliminate potential failures of a manufacturing process. Provide input using the 5W 1H principle to find out the main cause of the Signore Full Black shoes disability can be appeared.*

*Key Words : P-Chart, Cause and Effect Diagram, Failure Mode and Effect Analysis (FMEA), 5W 1H Principle.*