



**Title of Final Project**

# **Analysis of Alarm Causes on Core Press Machines to Reduce Lost Time**

**By:**  
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**Electronics Manufacturing Engineering Study Program  
Electrical Engineering Department  
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## Statement of Authenticity of Final Project

This study focuses on analyzing the causes of NG alarms in the work cut process of a core press machine to reduce production disruptions and lost time. Frequent occurrences of NG Work Cut Miss alarms indicate potential issues in the detection system, machine settings, or operational conditions that affect process reliability. Therefore, a systematic approach is required to identify root causes and evaluate the contributing factors. By utilizing methods such as data collection, flowchart analysis, and failure analysis, this research aims to improve the accuracy of the sensor detection system and optimize machine performance. The expected outcome is a more stable production process with reduced false alarms, minimized downtime, and increased overall efficiency in the manufacturing system.



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# Approval sheet

The Final Project is structured to fulfill one of the requirements for  
obtaining a degree  
Bachelor of Associate Engineer (AMd.T.)  
in  
Batam State Polytechnic

By:  
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