

**PERFORMING MAINTENANCE IN UPSTREAM OIL & GAS PRODUCTION
FACILITY TO MAINTAIN AND TO IMPROVE THE PERFORMANCE.
A CASE STUDY AT PT. XYZ**

By

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STATEMENT BY THE AUTHOR

I hereby declare that this submission is my own work and to the best of my knowledge, contains no material previously published or written by another person, nor material which to a substantial extent has been accepted for the award of any other degree or diploma at any educational institution, except where due acknowledgement is made in the thesis.

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ABSTRACT

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An upstream oil & gas production facility is the first step of mining in oil and gas industries. The company has lots of production equipment that need to run whole time. Therefore, the maintenance is needed to keep those equipments available and reliable. The problem is, the maintenance is considered as activities that waste money, on contrary, maintenance is needed. The combination of TPM and RCM is used.

This thesis will prove that maintenance is important and also can be used to improve the performance of facility and improve revenue of the company by using case study approach. Data collection method used is secondary data gathering. A combination of qualitative and quantitative analysis methods are used to analyze data.

Research concludes that OEE and Reliability are the main factors that can improve the performance of the facility. As long as the performance is improved, the revenue of the company will increase.

Keywords: Maintenance, OEE, Availability, Reliability, TPM, RCM, Performance.

DEDICATION

I dedicate this thesis to my beloved family and friends for their support, loving, and encouragement.



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