

THE EFFECT OF IMPROVING MECHANIC COMPETENCE TO REDUCE
LOOSE TYRE INCIDENT UNIT SST74 PT XYZ THROUGH COMPETENCE
BASED CURRICULUM

By
ANDY SUHERMANTO
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SWISS GERMAN UNIVERSITY
The Prominence Tower
Jalan Jalur Sutera Barat No.15 Alam Sutera
Tangerang, Banten 15143 -Indonesia

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STATEMENT BY THE AUTHOR

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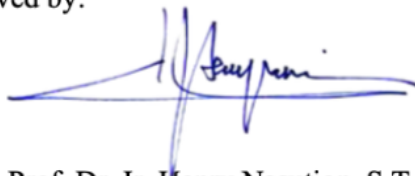
Andy Suhermanto

Student

23 January 2024

Date

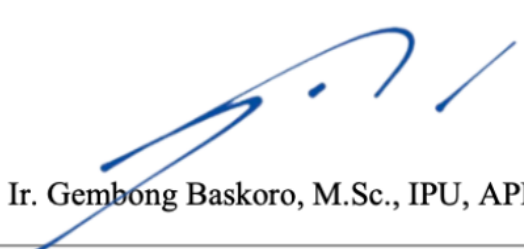
Approved by:



Assoc. Prof. Dr. Ir. Henry Nasution, S.T., M.T, IPP D

Thesis Advisor

Date



Dr. Ir. Gembong Baskoro, M.Sc., IPU, APEC Eng.

Thesis Co-Advisor

4/Feb./2024

Date

Dr. Maulahikmah Galinium, S.Kom., M.Sc

Dean

Date

Andy Suhermanto

ABSTRACT

THE EFFECT OF IMPROVING MECHANIC COMPETENCE TO REDUCE LOOSE TYRE INCIDENT UNIT SST74 PT XYZ THROUGH COMPETENCE BASED CURRICULUM

By

Andy Suhermanto

Dr. Ir. Henry Nasution, IPP, Advisor

Dr. Ir. Gembong Baskoro, M.Sc., IPU, APEC Eng, Co-Advisor

SWISS GERMAN UNIVERSITY

This study investigates the impact of improving mechanic competence on reducing loose tyre incidents within Unit SST74 at PT XYZ. Loose tyre incidents pose significant safety risks and operational challenges, making it imperative to enhance the skills and knowledge of mechanics involved. The research employs a competence-based curriculum to systematically address and elevate the proficiency of mechanics. The research aims to measure the effectiveness of the competence-based curriculum in enhancing mechanic skills and its subsequent influence on reducing loose tyre incidents. Through pre- and post-training assessments, the study evaluates the competency levels of mechanics before and after the intervention. Incident data, including frequency and severity, will be analyzed to assess the tangible impact of improved competence on operational safety. This research was conducted by providing training with the blended learning method with training modules. The results showed that after mechanics received training the incidence of loose tire incidents decreased from 12 incidents in the previous year to 2 incidents or a decrease of 83.34%.

Keywords: Heavy Equipment, Loose Tyre Incident, Competency Based Curriculum, Specific Work Competency Standards, Training Need Analysis, Blended Learning.

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DEDICATION

I dedicated this research for My Family, My Teams & Corporate University – United Tractors – PT Triatra Sinerga Pratama

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