



**System Based Risk Analysis of Signalling Protection Failures in Indonesian Railways Using HFACS and Multi Criteria Prioritisation**

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**SYSTEM BASED RISK ANALYSIS OF SIGNALLING PROTECTION FAILURES IN INDONESIAN RAILWAYS USING HFACS AND MULTI CRITERIA PRIORITISATION**

**THESIS**

This thesis is submitted in partial fulfilment of the requirements for the degree of Master of Science in the Master's Programme in Transport Systems and Engineering



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PRIORITISATION**

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