

## **ABSTRACT**

*In today's digital era, manual documentation and reporting of IT maintenance activities often lead to data inconsistency, delayed reporting, and the risk of losing critical information. PT Kereta Cepat Indonesia China (KCIC), as a provider of modern transportation services, requires a reliable and secure backend system to enhance the efficiency of IT maintenance reporting. This final project aims to design and develop a backend system with integrated web security to support IT maintenance management. The system includes features such as user authentication, data validation, and protection against common threats. The developed backend system can effectively assist IT personnel in storing, accessing, and managing maintenance data in a web based IT maintenance Report System.*

*Keywords: Backend System, IT Maintenance, Web Security, Authentication, KCIC*