The Influence of Risk Management Process on Construction Project Performance in Yemen = Pengaruh Proses Manajemen Risiko terhadap Kinerja Proyek Konstruksi di Yaman

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Abstrak

This quantitative study in Yemen examined the important relationship between proactive risk management procedures and construction project performance. Partial Least-Squares Structural Equation Modeling (PLS-SEM) with SmartPLS 4 software was used to analyze data collected from 171 construction experts through various levels. The study investigates the impact of various key components in the proactive risk management process, which involves early identification, analysis, response, and monitoring. These findings show that an effective risk management strategy has a significant beneficial influence on project performance outcomes. In particular, this study shows early mitigation efforts as the most effective component. The findings serve as a practical guide for Yemeni construction professionals. By implementing a proactive risk management strategy with SmartPLS 4-powered PLS-SEM analysis, organizations can improve the decision-making process, which may lead to improved project performance through reduced delays, cost overruns, and safety incidents. Ultimately, the study contributes to supporting construction risk management practices in Yemen, providing important details for stakeholders looking for ways to improve project performance outcomes.

......This quantitative research in Yemen examines the critical relationship between a proactive risk management procedure and construction project performance. Partial Least-Squares Structural Equation Modeling (PLS-SEM), with SmartPLS 4 software, was employed to analyze data collected from 171 construction experts through various levels. The study investigates the impact of key various components in the proactive risk management process, that involves early identification, analysis, response, and monitoring. The findings demonstrate that effective risk management strategies have a significant beneficial influence on project performance outcomes. Notably, the research indicates early mitigation efforts as the most effective component. These findings lead into practical guidance for Yemeni construction professionals. By implementing a proactive risk management strategy with SmartPLS 4-supported PLS-SEM analysis, organizations may improve decision-making processes, probably leading to enhanced project performance through educed delays, cost overruns, and safety incidents. Ultimately, the research contributes support Yemeni construction risk management practices, providing significant details for stakeholders aiming for ways to enhance project performance outcomes.