

The role of the Commitment Maker Officer (PPK) in anticipating failures in the Village Tanjung Jaya - MMC District IPUH Road Improvement Project (HOTMIX)

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Abstract

This research explores the role of the Commitment Maker Officer in managing the hotmix road improvement project in Tanjung Jaya Village – Ipuh Subdistrict, MMC. The research findings indicate that risk awareness, effective coordination, and preventive actions by the Commitment Maker Officer play a crucial role in anticipating and addressing potential project failures. Risk factors, such as design changes and utility relocation, are well-managed through effective communication and the implementation of addendums. Contractor performance evaluation and project progress monitoring are critical steps taken by the Commitment Maker Officer to ensure that the project proceeds according to plan. The results of this research provide a deep understanding of the strategic role of the Commitment Maker Officer in maintaining the smooth progress of construction projects. In conclusion, a combination of good risk awareness, effective coordination, and appropriate preventive actions make the Commitment Maker Officer a determining factor in the success of hotmix road improvement projects.

Keywords: Commitment Maker Officer, Project, Hotmix, Anticipation, Failures

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INTRODUCTION

The village of Tanjung Jaya, located in the MMC Subdistrict of Ipuh, is one of the areas that requires special attention in the development of road infrastructure. The road improvement project using hotmix material in Tanjung Jaya Village has been initiated as a step to enhance connectivity and improve the transportation access for the community. However, in its implementation, these projects often face challenges that can lead to failure, both in terms of time, cost, and the quality of the results.

The failure of infrastructure projects, especially road improvement projects, not only impacts the delay in project completion but can also jeopardize the safety of road users. Therefore, it is important to understand the role of the Commitment Maker Officer in managing and anticipating the failure of these projects (Sutio & Mulyono).

The improvement of road infrastructure, especially the hotmix lane enhancement project in Tanjung Jaya Village - MMC Subdistrict of Ipuh, is a crucial step in supporting regional development and connectivity. The success of project implementation depends not only on technical construction aspects but is also significantly influenced by management and the role of the Commitment

Maker Officer in anticipating potential failures that may arise during project execution.

Infrastructure projects, such as hotmix lane enhancements, involve a number of complex variables, including technical, financial, and environmental aspects. Therefore, the success of project implementation requires good planning and management, with the Commitment Maker Officer playing a key role in ensuring this success.

The Commitment Maker Officer plays a central role in government procurement of goods and services, including road improvement projects. In this context, the Commitment Maker Officer is responsible for ensuring that the project proceeds according to the established planning, budget, and quality standards. The Commitment Maker Officer is also expected to identify potential risks and take necessary preventive actions to avoid project failure (Simamora et al., 2023).

This research aims to delve deeper into the role of the Commitment Maker Officer in anticipating potential failures in the hotmix lane enhancement project in Tanjung Jaya Village - MMC Subdistrict of Ipuh. By focusing on the role of the Commitment Maker Officer, this study will explore policies, strategies, and practices applied by the Commitment Maker Officer in managing the project.

Through this research, it is expected to discover insights and recommendations that can enhance the effectiveness of the Commitment Maker Officer's role in facing challenges and potential failures that may arise during project implementation. This is anticipated to make a positive contribution to the improvement of infrastructure project management quality, especially in the context of hotmix lane enhancements, ensuring the optimal success of the project and providing positive impacts for the local community and other relevant parties.

RESEARCH METHOD

At this stage, the research will utilize a qualitative approach. This approach is chosen because it can provide in-depth understanding of the role of the Commitment Maker Officer in anticipating failures in the road improvement project in Tanjung Jaya - MMC Sub-district Ipuh. The qualitative approach allows researchers to explore the perspectives, experiences, and perceptions of various parties involved in the project. This research is conducted through direct interviews with selected project personnel and direct field observations. The collected qualitative data will be analyzed through a thematic analysis approach. The analysis steps involve grouping and coding data to identify patterns, themes, and relationships that emerge from interviews, observations, and document studies.

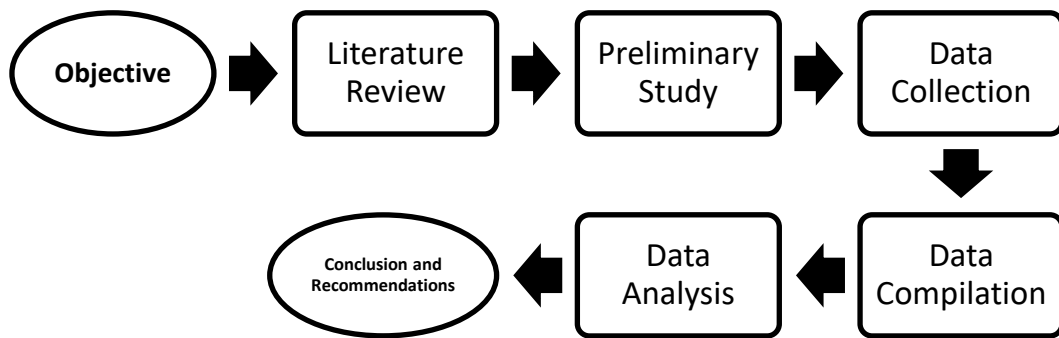


Figure 1. Research Scheme

RESULTS AND DISCUSSION

The writing of this technical report has been adjusted while considering the engineer's code of ethics, as described below:

Basic Principles	Guidance on Attitude and Behavior
Catur Karsa	Sapta Dharma
1. Prioritizing the nobility of character. 2. Utilizing knowledge and abilities for the welfare of humanity. 3. Working earnestly for the benefit of society in accordance with one's duties and responsibilities. 4. Enhancing competence and dignity based on engineering expertise.	1. Engineers always uphold the honor, integrity, and dignity of the profession. 2. Engineers always avoid conflicts of interest in their responsibilities. 3. Engineers always express opinions that can be accounted for. 4. Engineers always prioritize the safety, health, and well-being of the community. 5. Engineers always work within their competence. 6. Engineers always build the reputation of the profession based on their individual abilities. 7. Engineers always develop their professional skills.

The analysis results highlight crucial factors that contribute to the failure of the hotmix project in Tanjung Jaya Village. Technical factors, including weaknesses in planning and poor construction scheduling, are the main constraints in the project's smooth execution. Communication disruptions and a lack of

coordination among stakeholders also stand out as frequent causes of project failures. The success of a project requires synergy between technical and managerial aspects, as well as effective collaboration among various involved parties. Therefore, improving coordination and communication among stakeholders is key to preventing and addressing these constraints. Improvement measures aimed at enhancing planning, coordination, and construction scheduling are expected to provide concrete solutions to enhance the success of future hotmix projects (Widaningsih et al., 2023).

This research focuses on the critical role of the Commitment Maker Officer in facing and overcoming challenges in the hotmix road improvement project in Tanjung Jaya Village – MMC, Ipuh Subdistrict. The Commitment Maker Officer plays a crucial role in ensuring the project's success, from planning to implementation. The primary responsibility of the Commitment Maker Officer involves ensuring that all contract requirements are precisely met. The Commitment Maker Officer also oversees the project's overall implementation, ensuring that the work is carried out according to established standards.

Moreover, the Commitment Maker Officer's ability to respond quickly to project condition changes is a key element. Construction projects often face changing dynamics, such as extreme weather conditions or sudden technical issues. In this context, the Commitment Maker Officer's ability to identify these changes and take necessary actions can prevent potential project failures. Preventive measures taken by the Commitment Maker Officer, such as periodic project progress monitoring and contractor performance evaluation, form the foundation for project success. Through a deep understanding of technical and managerial aspects, the Commitment Maker Officer can formulate effective strategies to manage risks and ensure project smoothness, similar to previous research findings (Arkansyah et al., 2023).

The role of the Commitment Maker Officer is not only administrative but also strategic in maintaining project quality and sustainability. With a high risk awareness, strong managerial skills, and commitment to contract compliance, the Commitment Maker Officer can make a significant contribution to the success of the hotmix road improvement project in Tanjung Jaya Village – MMC, Ipuh Subdistrict.

In the context of the hotmix road improvement project in Tanjung Jaya Village – MMC, Ipuh Subdistrict, high risk awareness is a crucial attribute that the Commitment Maker Officer must possess. The Commitment Maker Officer is not only responsible for ensuring contract administration smoothness but also must be able to identify potential risks that may arise during the project.

Risk awareness includes a deep understanding of factors that can influence project success, such as weather conditions, regulatory changes, or sudden technical issues. Additionally, the Commitment Maker Officer needs to understand the engineering code of ethics that govern professional behavior in the construction environment. This ensures that all decisions and actions taken by the Commitment Maker Officer are within the framework of integrity and high quality (Pramudyansyah & Kurniawan, 2023; Mudak, 2022). With a good understanding of these risks, the Commitment Maker Officer can take preventive actions early in the project. These steps involve developing risk mitigation

strategies, emergency plans, and effective communication with relevant stakeholders. A proactive approach to risk management by the Commitment Maker Officer can prevent potential project failures and optimize the chances of success.

High risk awareness also fosters a culture of continuous self-improvement. The Commitment Maker Officer needs to constantly update their knowledge of potential risks during the project and learn from the experiences of previous projects. This way, the Commitment Maker Officer can be an effective agent in managing risks and positively contributing to the success of the hotmix road improvement project in Tanjung Jaya Village – MMC, Ipuh Subdistrict.

In the context of the hotmix road improvement project in Tanjung Jaya Village – MMC, Ipuh Subdistrict, effective communication is the main pillar of success, and the role of the Commitment Maker Officer is crucial in ensuring harmonious relationships among all involved parties. The Commitment Maker Officer needs to establish open and continuous communication with contractors, consultants, and local government.

Effective communication allows the Commitment Maker Officer to convey information clearly and understand the expectations and requirements of each involved party. The Commitment Maker Officer needs to prioritize open dialogue to ensure a shared understanding of project goals, limitations, and potential challenges. Previous research indicates that good coordination is key to identifying issues quickly and taking corrective actions. The Commitment Maker Officer should be able to facilitate regular project meetings, where all involved parties can report progress, obstacles, or changes in conditions. This helps prevent potential misunderstandings or discrepancies in project understanding (Harahap et al., 2023).

Effective coordination also involves timely distribution of information to all relevant parties. The Commitment Maker Officer needs to ensure that any important changes or decisions are communicated promptly to contractors, consultants, and the local government for quick response. This also involves proactive monitoring of the progress of each party and ensuring that everyone is engaged according to the project plan.

In cases of non-compliance or sudden changes, effective communication allows the Commitment Maker Officer to work collaboratively with all relevant parties to take necessary corrective actions. Good cooperation and coordination can minimize the impact of project condition changes or non-compliance with plans, ensuring the project runs smoothly. The Commitment Maker Officer plays a vital role in building and maintaining effective communication and coordination among all stakeholders. With an open, proactive, and responsive approach to any changes or challenges, the Commitment Maker Officer can ensure the success of the hotmix road improvement project, meeting the expectations of all involved parties.

In the role of overseeing the hotmix road improvement project in Tanjung Jaya Village – MMC, Ipuh Subdistrict, the Commitment Maker Officer has a crucial responsibility in monitoring project progress and periodically evaluating the contractor's performance. Active monitoring is not just about ensuring the

project follows the plan but also identifying potential discrepancies with specifications or project plans.

The Commitment Maker Officer needs to have an efficient monitoring system, covering physical progress, schedule compliance, and technical specification fulfillment. Periodic evaluations of contractor performance are necessary to ensure that quality standards and contract compliance are maintained throughout the project (Subagiyo, 2021). In case of discrepancies, the Commitment Maker Officer must take corrective actions promptly. These steps may include plan changes, schedule adjustments, or disciplinary actions against the contractor if needed. Quick and accurate decisions can avoid problem escalation and ensure project smoothness.

Additionally, evaluating contractor performance also provides an opportunity to provide constructive feedback. The Commitment Maker Officer can communicate with the contractor about aspects that need improvement. This not only ensures the current project's smoothness but can also enhance the contractor's quality in future projects (Wirdaningsih et al., 2023).

In the context of the hotmix road improvement project, quality is crucial for infrastructure safety and sustainability. The Commitment Maker Officer, who is active in project monitoring and evaluation, can ensure that quality standards are maintained, ensuring the final project meets the expectations and needs of the local community.

Monitoring project progress and evaluating contractor performance are integral parts of the Commitment Maker Officer's role in the hotmix road improvement project. With a proactive and responsive approach to changes or non-compliance, the Commitment Maker Officer can ensure the success and sustainability of this project until completion.

Frequent design changes during construction projects are a common issue. In this case, the Commitment Maker Officer plays a crucial role as a decision-maker to address these changes. Identification, evaluation, and finding solutions are key steps in managing design changes that arise during the project.

One facility that the Commitment Maker Officer can use to accommodate design changes is an addendum. An addendum is a document or part of a document added as an amendment or change to the original document. This facility provides a formal framework for conveying new information, correcting existing information, or adding additional provisions after the main document has been completed or issued.

Examples of the use of addenda can be found in contracts, agreements, or other official documents where changes or additions are needed after the main document has been signed. The Commitment Maker Officer can use addenda to provide clarification on design changes, set time and cost limitations, and ensure clear understanding among all relevant parties.

In managing addenda, the Commitment Maker Officer needs to coordinate with contractors, consultants, and other relevant parties. Effective communication is required to ensure that design changes can be implemented efficiently without disrupting the project's smoothness. The Commitment Maker Officer also needs to ensure that addenda comply with applicable regulations and standards.

The importance of the Commitment Maker Officer's role in managing addenda lies not only in administrative capabilities but also in wisdom in making decisions that benefit the overall project (Pramudyansyah & Kurniawan, 2023). With a proactive and responsive approach to design changes, the Commitment Maker Officer can minimize negative impacts and ensure that the project continues to run effectively and in line with its initial goals.

In the construction context, utility relocation is often a critical aspect that requires special attention. Utility relocation involves shifting or moving utility infrastructure such as electricity, water, or gas to make way for construction projects. To overcome potential issues during utility relocation, good communication with utility owners such as PLN and PDAM is a crucial step.

In the hotmix road improvement project in Tanjung Jaya Village – MMC, Ipuh Subdistrict, success in avoiding utility relocation problems can be achieved through effective coordination with relevant parties. Good communication with PLN and PDAM needs to be emphasized to ensure a clear understanding of the construction plan and its impact on existing utilities.

The importance of this communication becomes more significant when no issues related to utility relocation were found in this research. This indicates that the communication measures taken with utility owners were successful in anticipating and managing potential problems. The Commitment Maker Officer plays a key role in ensuring that all relevant parties, including utility owners, have a good understanding of the project plan.

Clear understanding and good coordination help identify utility locations that need relocation, determine the most effective relocation methods, and minimize negative impacts on electricity and water supply during project implementation. Thus, the project can run smoother and more efficiently without encountering problems related to utility relocation.

Success in managing utility relocation in the hotmix road improvement project demonstrates that effective communication and coordination with utility owners are key steps to avoid potential issues related to utility infrastructure. The Commitment Maker Officer, being proactive in building relationships with relevant parties, proves that preventive measures can be the key to success in construction project implementation.

CONCLUSION

This study concludes that the role of the Commitment Maker Officer is crucial in anticipating and addressing potential failures in the hotmix road improvement project in Tanjung Jaya Village. With a high risk awareness, the Commitment Maker Officer is able to identify and promptly respond to issues, providing a solid foundation for effective preventive actions. Good coordination with all relevant parties becomes a key element in ensuring the project's success, ensuring consistent understanding, and minimizing potential conflicts. In conclusion, a combination of good risk awareness, effective coordination, and appropriate preventive actions makes the role of the Commitment Maker Officer a determining factor in achieving success in the hotmix road improvement project in Tanjung Jaya Village.

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