APPLICATION OF HOUSE OF RISK (HOR) MODEL TO MITIGATE RISK IN GEMPOL-PASURUAN TOLL ROAD PROJECT

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ABSTRACT

The uncertainty of global economics influences Indonesia’s economic condition. One of government’s efforts to increase economics growth especially in Pasuruan and surrounding is building highway infrastructure called Gempol-Pasuruan Toll Road. The building of this infrastructure will run smoothly when the disruption is minimalized. Disruptions which can slow the building process may arise from either internal factors (poor management and supply chain from related parties) or external factors (nature, society, government’s policy). To prevent the delays or shorten the delays interval, it needs some efforts to minimize the disruptions which may occur. House of Risk (HOR) Model applied to mitigate risks or disruptions which could appear. From this model, we found 36 risk events and 52 risk agents, i.e. 8 high-risk agents, 14 moderate-risk agents, and 30 low-risk agents. As risk response, we rank 16 mitigation actions which can be used to reduce the occurrence of risk agents. “Consignment through the court” is the first mitigation action which give the most optimal benefit for Gempol-Pasuruan Toll Road project.

Keywords: House of Risk (HOR), mitigation, project management, risk, risk management