

## ABSTRACT

### ANALYSIS OF RISK MANAGEMENT IN THE LAKE EDU CITY 3 DEVELOPMENT PROJECT

Yoga Putra Utama <sup>1)</sup>, Rizka Arbaningrum, S.T.,M.T <sup>2)</sup>

1) *Student of Civil Engineering Department, Universitas Pembangunan Jaya*

2) *Lecturer of Civil Engineering Department, Universitas Pembangunan Jaya*

Risk management in construction projects, especially in Lake development projects, plays an important role in ensuring that potential threats to project success can be minimized or controlled. This research aims to identify, analyze and map risks in the Edu City PIK 3 Lake development project which plays a strategic role in water resource management, flood control and infrastructure development in Teluk Naga, Tangerang Regency. The method used is based on the National Standardization Agency (ISO 31000). The risk identification and mapping process based on questionnaires and observations from the EDU CITY PIK 3 Lake Development party shows that there are potential risk variables that fall into the high and medium risk categories. Where there are 9 potential risks that fall into the high risk category, which has the potential for events that may occur with moderate and unexpected impacts. Meanwhile, there are 22 potential risk variables, which have the potential for rare events with mild and acceptable impacts. Based on the results of data processing, the results of each potential risk variable such as the force majeure variable have a risk level of 6.69. The material and equipment variables get a risk level of 7.17, while the labor variable gets a risk level of 4.98. Furthermore, the contractual variable has a risk level of 6.33, the implementation variable has a risk level of 6.98. Then the design and technology variables get a risk level of 8.92 and the management variables get a risk level of 5.70.

**Keywords:** Risk Identification, Risk Mapping, Risk Mitigation