ANALISIS RISIKO PROYEK PERENCANAAN *DETAIL ENGINEERING DESIGN (DED) RETARDING BASIN* DESA TAMBAK BERAS

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ABSTRAK

Sebuah proyek dikerjakan karena adanya tujuan yang akan dilakukan atau permasalahan yang harus segera ditangani. Salah satu proyek yang berlangsung pada awal tahun 2023 yang dikerjakan oleh Dinas Pekerjaan Umum & Tata Ruang Kabupaten Gresik adalah proyek perencanaan *DED Retarding Basin* di Desa Tambak Beras. Penelitian ini menggunakan matrix yang sesuai dengan ISO 31000:2018. Pengambilan subjek dilakukan di Dinas Pekerjaan Umum & Tata Ruang Bidang Sumber Daya Air Divisi Perencanaan yang berjumlah 6 orang. Dengan melakukan wawancara dan pembagian kuesioner pada kemungkinan risiko – risiko yang terjadi terhadap mutu dan biaya. Hasil perhitungan didapatkan risiko terhadap mutu rata – rata berada di kategori *High* dan risiko terhadap biaya berada di 3 kategori *Low, Moderate* dan *High*. Dengan aksi yang dilakukan *Accept*, Mitigasi, *Avoid* dan *Transfer*. Risiko terhadap mutu lebih besar daripada risiko terhadap biaya, karena mutu bangunan disesuaikan dengan kebutuhan dan manfaat sekitar, sedangkan biaya dapat dikendalikan sesuai dengan kebutuhan pada mutu bangunan (proyek).

Kata Kunci: ISO 31000:2018, Matrix Risiko, Proyek

PROJECT RISK ANALYSIS DETAIL ENGINEERING DESIGN (DED) RETARDING BASIN TAMBAK RICE VILLAGE

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ABSTRACT

A project is carried out because there is a goal to be carried out or a problem that must be addressed immediately. One of the projects that took place in early 2023 that was carried out by the Public Works & Spatial Planning Office of Gresik Regency was the DED Retarding Basin Planning Project in Tambak Beras Village. This study uses a matrix according to ISO 31000:2018. Subjects were taken at the Department of Public Works & Spatial Planning in the Division of Water Resources, which numbered 6 people. By conducting interviews and distributing questionnaires on the possible risks that occur to quality and costs. The results of the calculation show that the average risk to quality is in the High category and the risk to cost is in 3 categories Low, Moderate and High. With the actions taken Accept, Mitigation, Avoid and Transfer. The risk to quality is greater than the risk to cost because the quality of the building is adjusted to the needs and benefits of the surroundings, while costs can be controlled according to the needs of the quality of the building (project).

Keywords: ISO 31000:2018, Project, Risk Matrix