RECLAMATION AND SHORE PROTECTION PLANNING AT BALIKPAPAN COAST

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ABSTRACT

Balikpapan city located in the province of Kalimantan Timur is an area located in the eastern part of Kalimantan Island and directly adjacent to the sea from Makassar Strait. With the rate of economic growth increased, so the demand for development area has increased. Balikpapan City location located between forest, hills, and sea. This geographic condition reflects the potential of Balikpapan City which dominated by coastal area. This make shopping center Balikpapan Plaza continue to improve the development sector by expanding area. Expansion in this early stage will be done with an area of 5 ha which leads to sea. This new area expected to become a commercial area, but for now this area will be used for expansion of parking area.

To support this implementation it will built a shore protection to protect reclamation location. In this planning, it used rubblemound for shore protection combined with sheetpile structure on the east side of reclamation. The total cost in this construction of reclamation is Rp.67.355.808.000.000 (Sixty – Seven Billion Three Hundred Fifty-Five Million Eight Hundred Eight Thousand Rupiah)

Keywords : Balikpapan, Balikpapan Plaza, Reclamation, Talud Rubblemound, Sheetpile