

## ABSTRAK

Total pekerjaan alat berat pada *section 3* adalah 902 m atau 1.713,8 m<sup>3</sup>. Produktivitas *crane crawler* 74,19 m<sup>3</sup>/jam, *diesel pile hammer* 3,62 m<sup>3</sup>/jam dan *excavator* 115,44 m<sup>3</sup>/jam. Volume pemancangan *sheet pile* selama 240 jam kerja yaitu 345 m atau 655,5 m<sup>3</sup>, galian *excavator* 27.705,6 m<sup>3</sup>. Analisa perbandingan biaya menggunakan Analisa lapangan, Analisa kabupaten tanggerang 2021, dan Analisa peraturan Menteri tahun 2022, analisa lapangan didapat Rp. 25.252.323,76 analisa kabupaten tanggerang tahun 2021 didapat Rp. 26.193.513,40 lebih tinggi 3,6% analisa lapangan. analisa peraturan menteri tahun 2022 Rp. 25.562.674,32 lebih tinggi 1,2% dari analisa lapangan. Analisa peraturan menteri tahun 2022 biaya Rp. 25.252.323,76 paling efisien dan efektif yang digunakan saat ini dilokasi penelitian.

**Kata Kunci:** Alat Berat, Produktivitas, Pile Hammer, Sheet Pile

## ABSTRACT

*Total heavy equipment work in section 3 is 902 m or 1,713.8 m<sup>3</sup>. The productivity of the crawler crane is 74.19 m<sup>3</sup>/hour, the diesel pile hammer is 3.62 m<sup>3</sup>/hour and the excavator is 115.44 m<sup>3</sup>/hour. The volume of sheet pile driving for 240 working hours is 345 m or 655.5 m<sup>3</sup>, excavator excavation is 27,705.6 m<sup>3</sup>. Cost comparison analysis using field analysis, 2021 Tangerang district analysis, and 2022 Ministerial Regulation Analysis, field analysis obtained IDR. 25,252,323.76 analysis of Tangerang district in 2021 obtained Rp. 26,193,513.40 is 3.6% higher than field analysis. analysis of ministerial regulations for 2022 Rp. 25,562,674.32 is 1.2% higher than the field analysis. Analysis of ministerial regulations for 2022 costs Rp. 25,252,323.76, the most efficient and effective currently used at the research location.*

**Kata Kunci:** *Machine Weight, Productivity, Pile Hammer, Sheet Pile*