ABSTRAK

Oktovianus, 2022. Kajian Perbandingan Biaya Rangka Atap Kayu Dan Baja Ringan Pembangunan Kantor Pengelola Kawasan Kelautan Kabupaten Parigi Mautong, Skripsi, Jurusan Teknik sipil, Fakultas Teknik, Universitas Sunsuwu Maroso

Pada era perkembangan dibidang snfrastruktur para pengguna dan pelaksana berlomba untuk menggunakan material yang tepat sasaran yaitu kuat dan ekonomis. Penggunaan material pabrikasi seperti baja ringan menjadi alasan karena kecepatan kerusakan hutan, pada daerah tertentu lebih tinggi dibanding realisasi upaya rehabilitasinya, sehingga inovasi baja ringan dijadikan alternatif baru material rangka atap semakin makin populer, hal itu dibuktikan dengan banyak persaingan merk rangka atap baja ringan di Indonesia. Oleh karena itu perlu dilakukan perhitungan rencana anggaran biaya (RAB) menggunakan rangka atap kayu, dan rangka atap baja ringan untuk mendapatkan perbandingan melalui perhitungan Harga Satuan Pekerjaan (HPS), sealin itu untuk juga memahami keuntungan dan kerugian penggunaan kedua material atap tersebut.

Penelitian ini dilaksanakan di proyek Kantor Pengelola Kawasan Kelautan Kabupaten Parigi Mautong, penelitian dilakukan dengan cara pengumpulan data dari lapangan dan menganalisis dengan analisis deskriptif komparatif.

Berdasarkan hasil perhitungan dapat beri kesimpulan rangka atap kayu lebih lebih hemat biaya 4,27 % dari pada rangka atap baja ringan, hal disbabkan karena harga kayu masih mudah diperoleh di Parigi Mautong

Kata Kunci : Baja Ringan, Kayu, Konstruksi Atap, perbandingan

ABSTRACT

Oktovianus, 2022. **Comparative Study of the Costs of Timber and Light Steel Roof Frames for the Construction of the Marine Area Management Office, Parigi Moutong Regency**. Supervised by Bleiser Tanari and Orva Elisabeth Wuo'on.

The field of infrastructure in the era of development, users and implementers are competing to use materials that are right on target, namely strong and economical. The use of manufacturing materials such as mild steel is the reason for the speed of forest destruction. In certain areas it is higher than the realization of its rehabilitation efforts, so that lightweight steel innovations are used as a new alternative for roof truss materials which are increasingly popular. This is evidenced by the many competitions for lightweight steel roof truss brands in Indonesia. Therefore it is necessary to calculate the budget plan (RAB) using a wooden roof truss and a lightweight steel roof truss to get a comparison through the calculation of the Work Unit Price (HPS), in addition to understanding the advantages and disadvantages of using the two roofing materials. This research was carried out at the Marine Area Management Office Project in Parigi Moutong Regency, the research was carried out by collecting data from the field and analyzing it with a comparative descriptive analysis.

The finding of the research obatined that wooden roof trusses are 4.27% more cost-effective than lightweight steel roof trusses, this is because wood prices are still easy to obtain in Parigi Moutong.

Keywords; *Mild Steel, Wood, Roof Construction, Comparison*