ABSTRACT

UD. Super Indra is one of the businesses that produce tofu in the city of Padang. So far, demand for tofu is quite a lot with an average of 1200kg per day, while the company can only achieve a daily production of only 600kg-700kg, with 13-hour working hours. The purpose of this study is to determine the number of workers using work load analysis and work force analysis to analyze the cheapest and most efficient. the calculation criteria used are cycle time, allowance to calculate normal time, adjustment factors, leeway factors, and then calculate workload using work load analysis and work force analysis. Determination of the optimal amount of labor by calculating the standard time based on production targets suitable for use in the process of making tofu at UD. Super Indra, because this company has a large part of its production process carried out by human labor. With the results of the calculation, it is necessary to add more workers to achieve the production target. Previously the company employed 13 workers. To achieve the target consumer demand. The company must add 11 workers. With the calculation of wages, the first alternative uses working hours per hour with wages issued Rp. 1,680,000 per day for all employees, the second alternative uses overtime hours with a total cost of Rp. 3,921,989 per day for all employees. With the calculation of the two alternatives, the best choice is the first alternative. Because the alternative choices are based on smaller costs

Keywords: allowance, work load analysis and work force analysis