ABSTRACT

ANALYSIS OF IMPACT ON WAGE INCREASE PROFIT USING THE METHODOLOGY OR/MS (CASE STUDY IN UD. PUTRA DINAMIS)

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Human resources has a function that can determine the progress the company retreat. In order to realize these functions, Human resources must have nurtured and mentored to be able to perform its functions in accordance with company objectives. UD. Putra Dinamis is a trading company that produces wood pallets, and building materials production. One problem that can not be separated at UD. Putra Dinamis is the wage system is still relatively small and not in accordance with the standards.

Methodology of OR/MS is a methodology of modeling to help solve the problem as simple or complex. In problem-solving methodology, OR/MS problem formulation begins with the manufacture of the company's history, relevant systems, identify aspects of the system, influence diagrams. Further development of a mathematical model created a mathematical model, spreadsheet models, model validation and verification, performance tests, and sensitivity analysis.

Based on the validation of the model calculation of a wage increase amounting to 50% in net profit to Rp. 568 061 286. From the sensitivity analysis of fuel price increases amounting to 50% in net profit to Rp. 515 141 286. To increase raw material amounted to 20% in net profit to Rp. 142 760 886, over 20% of companies will suffer losses.

Based on the graph can be inferred increase in wages and fuel costs up to 100% of companies still have an appropriate income, rising to 530% if the company will lose money or go bankrupt. The increase in raw materials and fuel up to 20% of companies still have an appropriate income, the increase exceeds 20%, the loss company or bankrupt. Then the authors propose a wage increase of 50%, because with the increase registration that the impact on corporate earnings is not significant.

Keyword: Wages, Profit, OR/MS, Model

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