ANALYSIS OF MACHINING PROCESS AND PRODUCTION COST OF MULTI FIXTURE WITH VISUAL BASIC

Author: Ibnu Mahardi Zahtiar
Reg. Number: 2106100069
Department: Teknik Mesin FTI – ITS
Supervisor: Ir. Sampurno, MT

ABSTRACT

In the current technological advances, especially in manufacturing we need a support tool for production processes that do can run smoothly and producing results that much faster. The use of machine-machine tools with varying workpiece holder is required to be obtained form a wide - range with faster time. One of the tools used to facilitate the machining process as well as advances in the field of industrial PLC based multi fixture.

In the machining process analysis and production costs in a multi fixture, the first step is to determine the sequence of multi-fixture manufacturing process and analyze the manufacturing process of the workpiece holder to obtain the basic elements of the process, such as cutting speed, cutting time, speed of revenue furious, cutting energy and cutting style for the manufacture of each component of such data will be used to analyze production costs necessary to make a multi fixture, so it can be known of the cost required to produce a multi fixture and can determine the selling price of a multi fixture them.

The final result obtained is the result of analysis for multi-fixture manufacturing-based PLC and production cost analysis of multi-fixture. From these results obtained the price of one unit of the PLC-based multi-fixture of Rp. 12,739,709.34, allowing for multi fixture that can be produced as well as competitive pricing in the market.
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