Abstract
The rapid development of industry can provide better chance to improve machining in industrial process. Because the machining technology is connected with many aspects, such as material, design and process. One of the tool used to simplify the machining process is a Flexible Fixture. This Final assignment is to design and to make a flexible fixture that can be used in various kind of machine in order to make the machining process more flexible and easier to adjust.

Flexible fixture accuracy test was done by performing measurements of the angle with the variation of angle of $30^0$ to $180^0$ with multiples of $30^0$ each measurement with the aid of a protractor, while for oblique angle with the angle variation from $5^0$ to $25^0$ in multiples of $5^0$ each with the help of height gage measurements. From the measurement results are analyzed the results of the acquired angle difference.

The final results obtained from testing of flexible fixture is the biggest difference in angle obtained from the measurement of angle of $167^0$, while the largest difference in angle from an oblique angle measurements of $-137^0$. From the results of the flexible fixture has a pretty good accuracy.

Key words: flexible fixture, testing, angle, oblique angle, accuracy
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