

## ***ABSTRACT***

**Rusdi Sahara, 2019. *Evaluation of Industrial Work Practice Programs in Expertise Program of Mechanical Engineering in Vocational High School 1 West Sumatera in 2018.***

*This study aims to evaluate the implementation of the Industrial Work Practices program at SMK Negeri 1 West Sumatera. The evaluation of the Industrial Work Practices (Prakerin) program was seen from the aspects of design, installation, procurement, product and cost faced in the implementation of the prakerin program.*

*The research method used is a combination of Sequential Explanatory design methods, combining quantitative research methods using questionnaires/questionnaires and qualitative interviews in sequence, where data analysis techniques use the percentage of respondent achievement levels (TCR test) for quantitative data and for qualitative data using techniques Miles and Huberman's data analysis models are: data reduction, data display, and conclusion/verification.*

*The results showed that the implementation of Industrial Work Practices in the West Sumatra Vocational High School 1 Mechanical Engineering program as a whole included: Evaluation of designs according to reality obtained a standard average score of 72% enough, and design evaluation as expected obtained a standard average score of 85.4% well. In reality, the evaluation of the installation obtained an average standard score of 74.5% is sufficient, and the evaluation of the appropriate expectations obtained a standard average score of 85.5% good. Process evaluation according to reality obtained a standard average score of 75.4% enough, and Process evaluation in line with expectations obtained a standard average score of 84.6%. Product evaluation according to reality gets an average standard score of 66.1% enough, and product evaluation according to expectations gets an average standard score of 83.6% good. Cost Evaluation according to the fact that the standard score average is 72.9% is sufficient, Cost evaluation according to expectations gets a standard average score of 84.2% is good. Based on the findings of this study, it was concluded that the Industrial Job Training program (Prakerin) in the 2018 SMKN 1 Sumatera Barat Mechanical Engineering skills program was still in the sufficient category, needing to be improved for each aspect.*

***Keywords:*** Design, Installation, Process, Product and Cost.

## ABSTRAK

**Rusdi Sahara, 2019. Evaluasi Program Praktik Kerja Industri (Prakerin) pada Program Keahlian Teknik Pemesinan di SMK Negeri 1 Sumatera Barat Tahun 2018. Tesis Pascasarjana Fakultas Teknik Universitas Negeri Padang.**

Penelitian ini bertujuan untuk mengevaluasi pelaksanaan Praktik Kerja Industri SMK Negeri 1 Sumatera Barat. Evaluasi Praktik Kerja Industri (Prakerin) tersebut dilihat dari aspek *design*, *Installation*, *Procces*, *Product* dan *Cost* yang dihadapi dalam pelaksanaan Prakerin.

Metode penelitian yang digunakan yaitu metode kombinasi desain *Sequential Explanatory*, menggabungkan metode penelitian kuantitatif dengan menggunakan angket/kuesioner dan kualitatif dengan wawancara secara berurutan, dimana teknik analisis data menggunakan persentase tingkat capaian responden (uji TCR) untuk data kuantitatif dan untuk data kualitatif menggunakan menggunakan teknik analisis data model Miles dan Huberman yaitu: *data reduction*, *data display*, dan *conclusion/verification*.

Hasil penelitian menunjukkan bahwa pelaksanaan Praktik Kerja Industri di SMK Negeri 1 Sumatera Barat program Keahlian Teknik Pemesinan secara keseluruhan meliputi: Evaluasi *design* sesuai kenyataan memperoleh standar skor rata-rata 72% cukup, dan evaluasi *design* sesuai harapan memperoleh standar skor rata-rata 85,4% baik. Evaluasi *Installation* yang sesuai kenyataan memperoleh standar skor rata-rata 74,5% cukup, dan evaluasi *Installation* yang sesuai harapan memperoleh standar skor rata-rata 85,5% baik. Evaluasi *Process* sesuai kenyataan memperoleh standar skor rata-rata 75,4% cukup, dan evaluasi *Process* sesuai harapan memperoleh standar skor rata-rata 84,6% baik. Evaluasi *Product* sesuai kenyataan memperoleh standar skor rata-rata 66,1% cukup, dan evaluasi *Product* sesuai harapan memperoleh standar skor rata-rata 83,6% baik. Evaluasi *Cost* sesuai kenyataan memperoleh standar skor rata-rata 72,9% cukup, evaluasi *Cost* sesuai harapan memperoleh standar skor rata-rata 84,2% baik. Berdasarkan temuan penelitian ini disimpulkan bahwa program Praktik Kerja Industri (Prakerin) pada program keahlian Teknik Pemesinan SMK Negeri 1 Sumatera Barat tahun 2018 masih dalam kategori cukup, perlu diperbaiki untuk masing-masing aspek.

**Kata kunci:** *Design*, *Installation*, *Procces*, *Product* dan *Cost*