The perceptions of automotive industrial managers about the internship students’ competencies

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Abstract. The purpose of this research was to describe the perceptions of automotive industrial managers about the competencies of internship student. The population of this research was the 25 automotive industrial that cooperate with one of the Vocational High School in Pekanbaru Riau. The Total Sampling Technique was used to determine the Population for this research, which makes all of the automotive industrial in Pekanbaru Riau was the sample. The respondents were 25 Automotive Industrial Managers. The data were collected through questionnaire. The Data Analysis Technique was Descriptive Quantitative Analysis Technique. The result of this research shown that there were half of the managers’ have good even very good perception for the Internship students. In their perspectives, the internship students have the ability needed by the automotive industrial. Yet, there were few managers who have bad perspective for internship students. This research was meant to be input or suggestions for the school stakeholder to increase the students competencies that needed by the automotive industrial.

1. Introduction

The Internship program is the obligation for every student that is purposed as the basic to join the industrial world [1]. The Internship program were meant to measure the students competencies, and also learn how to socialized and interact with the industrial world [2,3]. The internship program is able to increase the students’ ability and commitment, it also helps the students to look for a job after finished their education [4-6]. The right placement for internship have the great impact for the students’ experiences and chance to join the industrial world [7,8]. During the internship program, the students could use their knowledge and skills from school in the real work place [9]. The students are expected to enrich their experiences, knowledge, and skills in their personal and professional life. It will increase their confidence when they looking for a job at the future. The company where the internship program is held should cooperate with the internship students to solve the problems and taking a decision under the advisors’ supervision in the field, the assessment of the internship students will be based on that [10,11].

The previous researcher reported the increase of competencies as the result of Internship program [12]. The students enjoyed the internship process. A good communication between the students and advisor helped the students during the internship program. A bad internship experiences also give a bad impact for the students, especially when the advisor did not guide the students well [13,14].
The differentiation of the skill taught at school with the skills needed at the real world became one of the reasons that make a student have a poor internship result [15]. The cultures in the internship place give a great impact for the students’ experiences. Poor experiences, especially when the advisors did not give a proper guide, give a bad impact for the students [16]. The previous research only gives a general picture of internship program students. It makes the internship students’ competencies did not so notice.

The purpose of this research was to measure the perceptions of automotive industrial managers about the internship students’ competencies. This research are different with the previous research where it was discussed about the internship quality, whether the internship program change the students perceptions about public organizations and stakeholders’ perceptions about the relation of education institute and industry [17,18]. However, there are no researches that measure the perceptions of automotive industrial managers about the internship students’ competencies. The result of this study can be used by the Vocational High School stakeholder as the evaluation before bring their students to the internship program.

2. Research method

To know the perceptions of automotive industrial managers about the internship students’ competencies, this research was taken place in the motorcycle industrial that cooperate with the vocational high school. The researchers choose this place because this place have good commitment to the education, especially for vocational education in Pekanbaru. It is proven by the number of cooperation with the school.

The sample was 25 authorized workshop of automotive industrial in Pekanbaru that have cooperation with the Vocational High School. The research was taken place on June 2019. The Instrument for this research was questionnaire. The indicators were the recognitions, use, and maintenance of workshop tools and the reparation of motorcycle. Furthermore, the researcher looked for the workshop list where the students do their Internship program at one of the Vocational High School in Pekanbaru. The questionnaires were distributed to the chosen workshop managers. Last, the data were process by using Descriptive Statistic Technique.

The data were analyzed by using descriptive analysis. The researcher counted up the score of every indicators and sub-indicators. Then, the total score for each respondent were divided with the total score of all respondents. Last, the researcher counted the percentages that used for classifications.

3. Result and discussion

Based on data description, taken from 25 Automotive Industrial Managers, there were 21.03% of the managers have very good perceptions. They assume that the intern students have the competencies needed by the industrial world. Then, there were 55.86% of the managers have good perceptions. They assume that the intern students have the competencies needed by the industrial world, but the students need more practice to improve their competencies. Then, 15.86% of the managers have less good perceptions. They assume that the intern students did not have the competencies needed yet. Last, there were 7.24% Managers have bad perceptions. They assume that the intern students did not fit their expectation and did not have the competencies needed.

| The indicators of students competencies | Statement | Answer Categories |
|----------------------------------------|-----------|------------------|
| The recognition of workshop tools      | Do the students know the SST in repairing the motorcycle? | Very Good | Good | Less Good | Bad |
|                                         | Do the students know the name and the function of the tools in the workshop? | 10 | 11 | 3 | 1 |
| The use of workshop tools              | Do the students able to operate the workshop tools base on its functions? | 7 | 13 | 3 | 2 |
|                                         | Do the students use SST in special repairing for motorcycle? | 5 | 15 | 2 | 2 |
|                                         | 1 | 15 | 3 | 2 |
Based on the data analysis, it was found that most of the Automotive Industrial Managers have good perceptions for internship students’ competencies, that is 55.86%, especially for maintenance and repairing ability. The advisor, a good learning process, the students’ seriousness in practicing at school, and fully equipped tools that suit the Standard Operating Procedure (SOP) gave a great impact in the internship program [19,20].

4. Conclusion
The research result shown that most of the internship students in automotive industrial have a good ability. It can be seen from good perceptions of the Automotive Industrial Managers. They assume that the internship students have the ability or competencies needed by the automotive industrial world. However, there were some managers have less good or even more bad perceptions for the internship students ability. This result can be a reference for the Vocational High School stakeholder and teacher to evaluate and improve the students’ ability.

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