

## **The Influence Of Industrial Class Program In Improving The Eleventh Grade Students' Achievement Of Automotive In SMK Islam Secang In The School Year 2018/2019**

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### **Abstract**

Abstract: The purposes of this research are: 1) To know the eleventh grade students' achievement who did not join in the industrial class. 2) To know the eleventh-grade students' achievement who joined in the industrial class. The type of this research is quasi experimental design by using nonequivalent control group design. The population of this research is the eleventh-grade students of automotive that has amount 156 students consist of 4 (four) classes. Sampling technique is used in this research, and taking 10 (ten) students in each class, so all the sample are 40 students. The instrument of this research is the result of the test and observation sheet. The descriptive analytical statistic and inferential analytical statistic are used in analytical technique. The research's result showed that there is an improvement in the result study for the students who join in industrial class. The average of result study for the students who did not join the industrial class is 66 and it includes in the medium category from 30 students. And the result study for the students who join the industrial class is 77.88 and it includes in the high category from 10 students. the inferential statistic's result is  $t$  count 3.460 >  $t$  table 1.692 and it significances < 0,05, so we can conclude that applying industrial class can improve the students' result study of the eleventh grade students of automotive in SMK Islam Secang in the school year 2018/2019.

**Keywords:** *influence, industrial program, students' achievement, automotive.*

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### **Background**

The definition of education is a mindful and plan effort to create a situation in learning and learning process for students actively to increase himself potential for having the power of religious spiritual, self control, personality, brightness, good attitude and also skills were needed for himself and citizen. The definition of education can also be meant as a mindful and systematic effort to get a better living. In other word, education is a learning process for students to know, understand and make people become critical in thinking.

According to Etymology, the word education in English is caled Education, in Roman Education is called educatum, it consists of two words, they are "E" and "Duco"

which mean “E” is a development from inside to outside or from low to high, besides “Duco” means a development or is being developed. So, in Etymology, Education is a process in changing an attitude and self behavior or group in effort for making people to be grown by learning and doing.

There are many people assumed that industrial just an economy activity to make unfinished goods become a half or finished goods. Actually, the definition of industrial is wide, this industrial process includes people activities in a major area that has productive and commercial characteristics. The word industrial comes from French that is “industrie” it means that the activities. But that word comes from Roman means “Industria” that has meaning craft and activity.

In a wide meaning, industry is a sector that has commercial characteristics that use working skill and technology to create a product that has purpose to get some advantages. Industrial product not only like manufacture but also service, such as result of production in service, in example Bank, insurance, transportation, delivery expedition, etc.

Industry is a place where an industrial activity that is factory, in a wide meaning factory is a human place, machine or technology, material, energy, assets and source were managed by a production system. It has purpose to create a product and an effective service, efficiency, and safely were ready to use by citizen. It can be proceed to create other product. Factory is known as a place where unfinished process and create finished product to be a goods. Service industries is an industry which runs in a service field to serve or support other industry activities and be able to give service to the consumer. The type of this industrial class is doing activities in an office.

The necessity of labors who has special skill are ready to use is more needed in the increasing of industrial technology. The necessity of smart human resources can be filled by an education institute like vocational school or Diploma program in the university.

However, a half of graduated vocational students is being unemployment, because of their skill does not appropriate with the industrial necessity. The quality of education need to be increased so that Indonesians can do a competition. One of them is also be able to do by profession certification program.

Link and match concept is a concept that has connection concept between education institute with working area, or in another word, Link and match concept is a connection between labors provider and the users. By this connectivity, the education is as labors provider can held some connection to the industry area. Formal education is considered as a determiner to support economy grown. The syncronication between education and economy grown is working productivity, by assuming that statement, we can get information that if we have higher education, we will have higher working productivity. It makes the highest influence in economy grown of citizen. Capital who explained that education has influence to economy grown because it has a main role in increasing working productivity.

Industrial class program is a program a program by making a special class in a school area. This class is managed between school and industry. From managing system will create a new learning situation that ensure the quality of students education. This program become an optimal program to increase the quality of education in school, because the industry also join in the learning activity in class.

In SMK Islam Secang held an industrial class started from the school year 2017/2018. Some industries which join is PT CHEMCO HARAPAN NUSANTARA. This company becomes a friend of SMK Islam Secang in students trainee, on the job training, labors distributor, and curriculum syncrone. The selection system in industrial class of SMK Islam Secang was very strict because of there was physical and psychological test. The facilities which is gotten by the students in joining industrial class such as, a guest teacher system taught by industrial team by using video conference and also directly meeting. Besides that, there are some industrial parts that include in the curriculum of SMK Islam Secang. Students who joined in industrial class got some advantages, such as after graduated, they will work at PT CHEMCO HARAPAN NUSANTARA, besides they also got a wearpack, hat, safety shoes and bag from that company. Best wishes by having industrial class is there is increasing in the students' achievement.

### **Research Methodology**

The research is used by the researcher is experiment research. Experiment is a style to find a causal communication between two factors is raised by researcher expressly by eliminating or decreasing or separating the factors that can be disturbed. (Arikunto, 2002:3)

The type of this research design is quasi experiment. Quasi experiment is an experiment which has a treatments, outcome measures, and experiments units. However it does not use random place. The design is used is non equivalent control group. The kind of this experiment is to solve the control group's difficulties in research. (Sugiyono, 2010: 114-116). This non equivalent control group design method is a method which gives pre-test firstly without choosing randomly, either control group no experiment group. So, the result of the treatment is accurately.

The following are the steps of experiment design:

1. Doing pre-test for students who did not join industrial class.
2. Doing observation for students that include in the sampel by dividing observation sheets.
3. Doing class dividing, they are industrial class and other classes.
4. Doing post-test to see the successful of industrial class in studying achievement.
5. Doing statistic descriptive analysis and inferential statistic analysis to establish the result of the research.

As the population is the students of the eleventh grades of automotive in the school year 2018/2019 that has amount 156 students and are divided into four classes. Besides the sample is a half of the population is research. (Arikunto: 109). This research is given to the students who has low achievement and high achievement. So, the technique is used in this research is sampling technique. Th research subject is the students of SMK Islam Secang and the place of research is SMK Islam Secang.

### **Findings and Discussion**

According to the data analysis result is showed that the students' achievement to the students who join in the industrial class. The research result showed that by the average of students' result in the class did not include the industrial class is 66 and the students in the middle category is 30 students. Besides the students result in the industrial class is 77.88 and it incudes in the high category from 10 students. Inferencial statistic result showed that the significance of the score which is gotten t count  $3.460 > t$  table 1.692 and the significance ( $0,002 < 0,05$ ). This case shows that by applying industrial class is good to increase the students' result in studying in the eleventh grades of Automotive of SMK Islam Secang.

### **Conclusion**

From the research result can be concluded that there is increase students' achievement of the eleventh grades students of automotive in SMK Islam Secang in the school year 2018/2019.

According to that result, there are some suggestions for the teacher, the teacher who handle the class and the company. They are:

1. The teachers should use creative and innovative learning method so that the students' achievement is also increase.
2. The teacher who handle an industrial class gives more care so, the students feel that they are cared. It can influence the students' achievement.
3. In video conference learning should be able to do more than once a month because the material which is shared is interested to be understood.
4. The school principal, the teachers and all employees should give more care to the students who did not join in the industrial class. So they also will get increasing in studying.

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