

Air Conditioner Repair Training As One Of The Skills To Enter The World Of Work/Entrepreneurship

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ABSTRACT

Having expertise is the main capital to be accepted for work, almost all companies set technical competency standards as one of the main indicators of work. Therefore, by participating in AC/air conditioning repair training, it can be a provision to be accepted to work in a company. Based on this explanation, this activity is aimed at teenagers in the village of Cipanas Lebak, Banten. This activity is intended to be a provision of skills, so that the trainees can compete in the world of work. The method of implementing the activity is the presentation of material and practice. The number of training participants was 50 people, consisting of young women and men. This activity was carried out for one full day, namely on June 25 2022 which is located on Jalan Raya Cipanas Lebak Banten, at the Cipanas Village Hall to be precise. The result of this activity was in the form of holding air conditioning/AC repair training activities which were attended by 50 Cipanas village youths. In addition, they get an understanding of the importance of having certain skills, in order to be accepted for work or to compete with other prospective workers. Furthermore, this activity can increase the participants' knowledge and technical expertise regarding AC repair procedures.

Keywords: AC Repair Training, Skills Debriefing, Pre-Work, World of Work, Trainees

INTRODUCTION

Now it's very easy for us to find in various corners of places and areas of AC service business outlets. Maybe in one area there are two to three AC service business outlets. This gives rise to business competition (Effendy, et al., 2020; Hidayatuloh, 2020). Even though AC service businesses have mushroomed in various places, there are always customers for each. This is inseparable from the large community need for AC service businesses (Santoso, et al., 2017; Rahayu, et al., 2019). The increase in the number of home ownership in Indonesia is very high, making the AC service business very promising.

AC service business is a type of business that is easy to run. It can even be used as a side business at home that produces. We can take advantage of existing resources to open

this AC service business. Like turning an empty room in front of a house or garage into a place for AC service businesses. This has been done by several successful AC service entrepreneurs. And most of them are successful in running an AC service business with a very large and quite lucrative monthly income. Currently, many new housing developments have been built to meet the housing needs of the community, bearing in mind that many still do not have homes. This is also one of the government's programs to provide decent housing for the people of Indonesia (Waha, C., & Sondakh, J. (2014). Many new housing has been built for the lower, middle and upper classes. Of course, to accommodate community needs based on their needs and financial capabilities. New housing will continue to be built given the growing population. This has become the concern of the government by launching the One Million Houses Program and set forth in *nawacita* (Purba & Himawan (2021). Since President Jokowi's inauguration on April 29, 2015, the achievements of the One Million Houses Program continue to increase. In 2015 there were 699,770 units, then as many as 805,169 units (2016), and as many as 904,758 units (2017). In 2018, for the first time the achievements of the One Million Houses Program were 1,132,621 units (Kompas, 2020 ; PPDPP, 2020). Overall, from 2015 to 2018, 3,542,318 housing units were built. Specifically for 2019, the Ministry of Public Works and Public Housing has again set the One Million Houses Program, a target for 2019 of 1,250,000 units. The ministry is very optimistic that the target will be achieved. Given the large number of housing being built, the need for air conditioning installation is increasing. Of course this will open up separate business opportunities for SME entrepreneurs such as AC service businesses. Air conditioner (AC) is a machine that is made to stabilize the temperature and humidity of the air in a room (Arnas., et al (2021). This tool is used to cool or heat, depending on needs. However, AC is often referred to as air conditioning because it used to cool a room. AC has a function to condition the air in a room so that it feels cool, comfortable, and healthy. There are three things that can be conditioned or regulated by using an air conditioner, namely temperature, humidity, and air cleanliness.

To be able to carry out its functions, air conditioners are specially designed and consist of several components which can generally be grouped into four parts, namely main components, supporting components, electricity, and refrigerant (Frank Kreith, et.al., 2017). The main components in an air conditioner are components that function to

regulate air temperature, consisting of a condenser, compressor, evaporator, and expansion valve (Irawan & Putri (2020)). The general goal of this PKM activity is to help young people who are members of Karang Taruna in Cipanas village Lebak in overcoming the problem of developing an AC service business. Specifically the purpose of this activity is to help solve problems that are still faced by participants in relation to operating an AC service business with correct and efficient procedures, to teach good management in the AC service business, to improve the competence of the youth who are members of Karang Taruna in order to develop the AC service business and develop soft skills and hard skills.

METHOD

The solutions proposed or offered in this community service activity are as follows:

1. Technical aspects. In accordance with the problems faced by the two partners, solutions for technical aspects include making a model guide regarding quality management both in the process of selecting tools and materials as well as the AC service process, by applying correct AC service techniques (Sari, 2019).
2. Management aspect. The solution offered to partners is to provide business management training covering planning to control in both business and management aspects (Fauzi, 2020).
3. Aspects of convenience and customer satisfaction. The solution offered to partners is to provide a strategy for making customers comfortable and satisfied when requesting AC service services, so that customers do not only perform AC service once, but will return again and again because they feel comfortable and satisfied with the service (Diantari, et al. ., 2021; Setyanta, 2017). They will become loyal customers and will even become customers who will attract other potential customers.

Activity Objectives and Methods

This activity is carried out on:

1. The youths who are members of the Cipanas Lebak village youth organization, which totals 50 people.
2. This activity was carried out for a full day on June 25, 2022.
3. Activities start at 08.00-16.00.

4. The activity method used is theoretical and practical explanations about AC servicing.

DISCUSSION

The success of implementing this community service activity can be seen from the following two benchmarks:

1. The positive response from the trainees' response from the trainees will be measured through observation during the training and by holding discussions regarding the impressions, suggestions, criticisms and proposals of the trainees regarding this community service program.
2. Increased participant skills after receiving participant skills training in operating air conditioning services and business management.

The general description of the event is as follows:

1. Preparation

In this session the activity committee prepares and arranges the tools, materials, banners and rooms to be used in the demonstration in the place provided by the committee. Preparations were made by lecturers and students assisted by the village. The implementation was carried out in the office of the village head of Cipanas Lebak. The PKM team also coordinates with the local RT and RW who will be involved in this PKM activity.

2. Implementation of Activities

In this session the PKM activities began with the opening. The opening is done after all the tools, materials and participants have gathered in a predetermined place. The chairman of the activity committee conveyed the background and objectives of the PKM activities carried out. He also explained at a glance the AC servicing regarding the tools and materials used for PKM practice. After the event was opened with a few remarks, then continued with the presentation of AC service training materials. The training materials cover AC service operations, repairs and business cash flow management. The delivery of the material is filled with a number of questions and exercises given to participants guided by the teacher.

Besides that, discussions were also held by answering questions by the PKM team submitted by the participants. During the event the trainees were very enthusiastic to

take part in the event. This can be seen from the attention given by the participants during the event. All questions and exercises provided by the PKM team were enthusiastically welcomed by the participants. After finishing the discussion, it was continued with AC servicing practice using AC service equipment. AC servicing practices are carried out outdoors in order to facilitate the practice of AC servicing, electricity supply and disposing of waste from AC servicing. The AC service system used has quite complete equipment to make it easier to carry out the practice. The compressor used is given a protective glass so that it is easy to see from the outside. An explanation in the form of a diagram is also given to make it easier to understand the AC machine schematic. Practical demonstrations were carried out by all participants with the guidance of the activity committee. The participants were given the opportunity to ask questions and answers about AC services. After that, practice was carried out by the participants so that they would understand more about AC service.

3. Closing

After the AC servicing practice was carried out, it was continued with a photo session with the PKM team and participants. The group photo session was carried out using PKM banners to show the PKM topics that had been carried out. After the group photo session, the PKM activities were closed by the Chair of the activity. Don't forget to thank the participants who are willing to take part in this PKM. After the closing, a friendly event was held with the participants and cleaning up the materials used. Thus the activity program ended.

CONCLUSION

In general, things went smoothly and orderly. The participants were enthusiastic in listening to the explanation of AC service theory material and the demonstration actions given. The enthusiasm of the participants continued during questions and answers about the demonstration. This PKM activity was considered effective because the level of interest of the participants was quite high in this training. The problem of managing the AC service business among youth organizations is not mastered due to a lack of practice and equipment. Another problem that arises is the lack of adequate learning media in AC repair exercises. This became an obstacle for the participants in

understanding the training concept as a whole, so that there were some participants who had not been able to make correct AC repairs according to set standards.

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