

THE EVALUATION OF BUILDING ELECTRICAL INSTALLATION TRAINING PROGRAM AT THE BANDA ACEH WORK TRAINING CENTER (BLK)

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Abstract

Vocational Training Center (BLK) is an institution that provides students with provisions in the form of: skills according to the needs of the world of work. The formulation of the problem in this study is how the success of the simple stage electrical installation training program V in 2021 at the Banda Aceh Job Training Center. The purpose of this research is to find out the success of the phase IV simple building electricity installation program in 2021 in Banda Aceh Vocational Training Center. The research method used is approach quantitative. Quantitative data was obtained from the questionnaire instrument which was then analyzed using descriptive statistics. The research was carried out in line with the Installation program training schedule simple building electricity in phase IV, July 2021. The training program lasts for 34 day in BLK location. The results of this study found that the BLK had organized Phase IV of the simple building electrical installation training program, which began in July 2021, has been completed successfully and effectively create qualified, professional, competent and well-behaved participants well after training.

Keywords: *vocational, Training centre, electricity*

1. Introduction

Education as an effort to improve the quality of human resources (HR) to be a source of professional, quality and innovative. Education has become key It is important for the government's efforts to produce professional human resources. Education Informal aims to equip people with knowledge. In education this happens coaching education, training and development of the potential of students to fulfill personal survival and well-being in society.

The initial stage of the research began with making observations at the Vocational Training Center (BLK) Banda Aceh and conducted interviews with Building Electrical Installation Instructors Simple. After completing the interview, there were several problems in implementation of the Simple Building Electrical Installation training program, several problems faced today, forms of training that are open to the public and have no educational boundaries, has become the main problem faced by the participants of the Vocational Training Center who took part in training even though they have been interviewed for a commitment to join the training. However, in progress training there are some participants who break the rules and are not committed to learning. Another problem also arises, namely the training program at the BLK does not limit the requirements education so that there is an irregularity in the level of reasoning and absorption of the

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knowledge of the participants educate. Basically, students who take part in the BLK program come from different backgrounds different educational, social and cultural. Thus, a training approach or method is needed in accordance.

2. Literature Review

- a. Program Evaluation
Program evaluation is a design activity that is carried out intentionally aims to see a level of success of the program.
- b. Training
Training is a process of structured learning experiences to improve knowledge, attitudes and skills.
- c. Electrical Installation
Based on PUIL 2011, installation is an activity of installing or assembling it goods or networks. While the electrical installation is a system that is used to distribute electricity to meet human needs in life.
- d. Work Training Center
The job training center is a regional technical unit that carries out some internal service tasks improve technical and operational capabilities as well as provide direct services to industrial society and the general public in the field of training.

3. Methodology

The research method used is a quantitative approach. This approach is used to collect in-depth data and produce more comprehensive facts. So the focus of this research is to get complete and in-depth data, which is capable provide solutions to problems that will be examined with a research method approach quantitative. Quantitative data was obtained from the questionnaire instrument which was then analyzed using descriptive statistics.

This research was conducted at the Banda Aceh Training Center (BLK) and its implementation. Data collection techniques are the most strategic steps in research, because the main purpose of research is to get data. The technique used for collecting data in this study is distributing questionnaires. Questionnaire is a way from the process of collecting data obtained through answers to respondents' statements. Charging questionnaires or questionnaires carried out by participants in the building electrical installation training program simple at the Banda Aceh Vocational Training Center (BLK) stage IV June 2021.

The data analysis technique used in this research is descriptive analysis percentage. Descriptive analysis is considered capable of describing or giving an overview of sample or population as it is. Data analysis activities in this study include the stage of grouping the data to present the data according to the variable being measured, as well as performing calculations to answer the problem formulation. Data collected will be analyzed descriptive quantitative. Steps used to analyze the collected quantitative data:

- a. Make a distribution table for questionnaire answers
- b. Determine the score of the respondent's answer with the provisions of a predetermined score. The score assessment for each of the questionnaire answer choices that the respondent answered was as follows:

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TABLE 1 ALTERNATIVE ANSWER SCORE

No	Category	Value
1	Strongly Agree	4
2	Agree	3
3	Disagree	2
4	Strongly Disagree	1

- c. Add up the scores obtained from each respondent
- d. The results obtained are consulted with the category table.

As for seeing the percentage score of the assessment can be seen in Table.

TABLE 2 PERCENTAGE OF VALUE

No	Score	Interpretation
1	$0\% \leq x \leq 25\%$	Strongly Disagree
2	$26\% < x \leq 50\%$	Disagree
3	$51\% < x \leq 75\%$	Agree
4	$75\% < x \leq 100\%$	Strongly Agree

4. Result and Discussion

a. Reaction Aspect

The reaction aspect is the first evaluation level in Kirkpatrick's evaluation model. On In this aspect, an evaluation is carried out to measure participants' knowledge of the material, interests, motivation and attention level of the participants. There are several indicators in the reaction aspect, namely; programs, materials, instructor competencies, facilities and effectiveness.

TABLE 3 ASPECT OF REACTION

No	Indicator	Score	Category
1	Appropriate Training Program according to the needs of the participants	88.75%	Very Good
2	Relevant training materials participant needs	78.88%	Very Good
3	Competence of training instructors/facilitators	86.88%	Very Good
4	Smooth support facilities training	86.25%	Very Good
5	Effective use of time	80.83%	Very Good

Based on the graph above, the results of the evaluation of the BLK are based on indicators, namely: (a) Program, namely training programs in accordance with the needs of participants get a score of 88.75, (b) Training material, namely training material relevant

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to the needs of participants, gets an average score 78,88, (c) On the competency indicators for instructors or training facilitators have an average score 86.66, (d) Facilities, namely facilities supporting the smooth running of training have an average score 86.25 and (e) on effectiveness, namely the effectiveness of the use of time has an average score of 80.83 From the results of the reaction it can be concluded that during the process at the Reaction level stage the response from the training participants was very good and went well.

b. Learning Aspect

In general, the training organized by BLK Banda Aceh aims to: equip training participants with skills, especially about electrical installation of buildings simple. In this training program, participants are expected to be able to have the skills and Knowledge of simple building electrical installations. In the process of skills training (level learning) participants do not only get theory only, but also carry out processing practice activities. In this second aspect, there are two indicators namely competence and participation in learning. In the learning process, the instructor stimulate the creativity and activeness of the trainees through classroom learning and practice. Matter this makes the trainees feel more energized and enthusiastic to learn about simple electrical installation.

TABLE 4 ASPECT OF LEARNING

No	Indicator	Score	Category
1	Participant competency	83.57%	Very Good
2	Participation (attendance and participant activity during training)	80.83%	Very Good

Based on the picture above it is known that for each learning indicator, there are indicators seen in the Learning stage of the building electrical installation training program simple there are two indicators first indicators of participant competency and participant participation and the results of the answers of the training participants obtained the average results for each indicator, namely: (a) on participant competency indicators, namely (knowledge, attitudes and skills of participants before and after getting an average result of 83.57 from the answers of the participants in the electricity installation training simple buildings and (b) on indicators of participant participation, namely attendance and activity participants during the training obtained an average score of 80.83. Based on the explanation above, it can be concluded that the response of the training participants at the Learning stage of a very simple building electrical installation training program well, in the learning process a lot of new knowledge was gained by the participants about electrical installation material delivered by the instructor.

c. Behavior Aspect

From the results of the behavior, there was a change in the behavior of the participants during the training. There is a change in self-motivation at work, responsibility at work, independence and teamwork. This change in behavior occurs from the learning process at the time training. It is expected that during the training program, participants are able to form habits or positive attitudes to the world of work. In addition, participants become more skilled than previously.

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TABLE 5 ASPECT OF BEHAVIOR

No	Indicator	Score	Category
1	Personality transformation trained	83.33%	Very Good
2	Social competence (team work)	0%	Very Poor
3	Interpersonal communication	86.66%	Very Good

Based on the data the results of evaluating aspects of behavior are obtained based on each indicators, namely: (a) Changes in personality that were trained to get an average result of 83.33, (b) Social competence (teamwork) gets an average result of 0 and (c) Interpersonal communication get an average yield of 86.66. On social competence got a score of 0 because this training focuses on individuals, where this training is not carried out in teamwork, then in the category of teamwork get a score of 0. From the explanation above it can be concluded that the response of the training participants at the level Behavior is in the good category, participants show behavior that tends to be positive, as long as training participants attended each training properly and responsibly.

d. Result Aspect

The simple building electrical installation training was very beneficial for all participants training. Participants who initially did not have skills regarding electrical installation simple building, be skilled. Even with a background of regional origin different, educational backgrounds are not the same, even organizations that work or not, participants continue to follow the training process and feel the benefits obtained during the training training program.

TABLE 6 ASPECT OF RESULT

No	Indicator	Score	Category
1	Quantity Increase and Quality	81.25%	Very Good

Based on the picture above it is known that the aspect of results (results) is based on indicators evaluation, namely increasing the quantity and quality of work which is the result of the training program with an average result of 81.25. This shows that the results of the training can be felt directly by the trainees. Based on the explanation above, it can be concluded that at the Result level, the response from the participants were very good, from these results it can be seen that after the training the participants got lots of additional knowledge that is very useful for dealing with the world of work.

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