

# **Career Information Service Assisted by Career Tree Media for Exploration and Strengthening Career Decisions for Class XI.3 Students After Graduating from Pekalongan State Senior High School in 2022**

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**Abstract.** Students at the senior high school level with an age range from 15 to 17 years are included in the early adolescent category who have developmental tasks, which is achieving and preparing for everything related to adult life, such as preparing to achieve certain careers (positions and professions) in the field of economic life. School counselors/guidance and counseling teachers provide career information services to help students achieve one of the developmental tasks, especially in the career field, with the help of career tree media can provide assistance to students in exploring and strengthening career decisions after graduation for class XI.3 students SMA Negeri 3 Pekalongan in 2022. This research uses the True experimental design method with a design pattern, namely the pre-test-post-test control group. This method was chosen by the researcher so that students are able to explore with the help of career tree media so that career decision strengthening can be achieved.

**Keywords:** career tree, career decision exploration and consolidation

## **1. Introduction**

Students at the senior high school (SMA) is included to early adolescent category who have the developmental task of achieving and preparing for everything related to adult life, such as preparing to achieve certain careers (positions and professions) in the field of economic life. The role of the counselor or guidance and counseling teacher includes facilitating the development of students to achieve independence, in the form of the ability to understand, accept, direct, make decisions and realize themselves responsibly so as to achieve happiness and prosperity in their lives through the provision of guidance and counseling services.

The implementation of the guidance and counseling program in the merdeka curriculum always prioritizes a student-centered approach covering, interests, talents and abilities of students in the learning process, so the first step taken by the counselor to help students achieve developmental tasks is to carry out assessments sourced from AKPD (Analysis of Student Need), the results of the AKPD in the career field which is the initial target in counselors providing information services provided in a classical manner that allows students to receive and understand various information (such as educational information and position information) [1–5], which can be used as material for consideration and career decision making for the future.

A career tree is a tool or media to help counselors convey material about the field of career guidance, especially in recognizing, choosing, preparing, seeking, exploring and strengthening career decisions after graduation according to the potential of each student.

The counselor currently manages 4 classes (XI.1-XI.4) with a total of 144 students. After distributing the AKPD questionnaire and carrying out a career-focused analysis, it was found that class XI.3 immediately received career information services because the percentage reached 136% of the number of students in class XI.3 as many as 36 students. The distribution for the six (6) statement items in the AKPD career field is: (1) not many students know about the types of professions/work in the community as many as 23 students, (2) students have not been able to understand study programs in the community as many as 31 students, (3) students do not understand the relationship between talent, interest, education and work as many as 20 students, (4) students still have doubts about the choice of ideals/future career as many as 31 students, (5) students did not know about the college entrance selection as many as 31 students, (6) students were forced to make ends meet, none of the students experienced it.

Seeing the results of the AKPD in the career field for class XI.3, the researchers provided career information services assisted by career tree media for exploration and stability of career decisions after graduation for students in class XI.3 SMA Negeri 3 Pekalongan.

## 2. Method

The method used in this study is True experimental design with a design pattern, namely the pre-test-post-test control group chosen by the researcher to help students recognize, understand and be able to make decisions regarding career fields to prepare for their future.

## 3. Result and Discussion

The method used in this study was quasi-experimental with the type of sample used cluster sampling. The experimental group used carrier tree media for its treatment and the control group received no treatment at all.

- a. Results Exploration and career decision consolidation control class and experimental class before getting treatment.

**Table 1.** Before getting treatment for the control and experimental classes

		<b>Pre Test Control</b>	<b>Post Test Eksperiment</b>
N	Valid	36	36
	Missing	36	36
Mean		95.75	101.28
Minimum		108	79
Maksimum		79	130
Std. Deviation		6.469	11.19

- b. Results of Exploration and consolidation of career decisions in the control class and the experimental class after receiving treatment

**Table 2.** After Treatment

		Control Class Post Test	Post Test Eksperiment
N	Valid	36	36
	Missing	36	36
Mean		100.53	111.28
Minimum		92	101
Maksimum		110	130
Std. Deviation		4.137	7.060

- c. Correlation results of career information services assisted by career tree media for exploring and strengthening career decisions

**Table 3.** Correlations test

<b>Correlations</b>			
		Carrer Tree	Carrerr Enhancement
Carrer Tree	Pearson Correlation	1	-.661**
	Sig. (2-tailed)		.000
	N	36	36
Carrerr Enhancement	Pearson Correlation	-.661**	1
	Sig. (2-tailed)	.000	
	N	36	36

\*\* . Correlation is significant at the 0.01 level (2-tailed).

- d. Independent sample Test, using Gain Score

**Table 4.** Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	T	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
								Lower		Upper
Gain	Equal variances assumed	12.639	.001	-3.078	70	.003	-5.69444	1.85018	-9.38451	-2.00437
	Equal variances not assumed			-3.078	52.305	.003	-5.69444	1.85018	-9.40659	-1.98230

**3.1. The ability of career information services to explore and strengthen career decisions after graduation for students of class XI.3 at SMA Negeri 3 Pekalongan in 2022/2023.**

From the results of data processing in the Student Needs Analysis (AKPD) there are six (6) statement items, especially career fields for class XI.3, with a large distribution of data that students do not understand study programs that exist in the community as many as 31 students, students 20 students do not understand the relationship between talent, interest, education and work, 31 students still have doubts about the choice of future goals/careers, 31 students do not know about college entrance selection.

This initial data is the initial ability of class XI.3 students in exploring and strengthening career decisions. One of the functions of providing guidance and counseling services in schools is the function of understanding and alleviating to help students achieve development in the career field, career information services are provided which according to some experts reveal that the notion of career information services is the process of providing guidance and counseling teacher assistance or counselors to students to understand and receive various information related to information dissemination services on positions, jobs and the job market to help growth, development, exploration, aspirations, and career decision-making throughout their life span rationally and realistically based on their own potential and see opportunities that available in their environment to achieve success in life.

Providing career information services assisted by career tree media is able to help students achieve development in career fields for the future.

**3.2. The ability of career information services assisted by career tree media is able to make students explore and consolidate career decisions after graduating from high school**

There was a change in the ability to explore and consolidate decisions before being given treatment and after being given treatment in the experimental class there was an increase shown in the mean score from 101.28 to 111.28.

Changes in the exploration and strengthening of career decisions can be achieved by students with the help of career tree media, through this media students become more aware of their own potential, and also in accordance with the purpose of a career tree in general, which is to assist students in understanding themselves and their environment, in decision making, planning and directing decisions planning and directing activities that lead to careers and ways of life that will give a sense of satisfaction because they are appropriate, harmonious and balanced with themselves and their environment, while the specific objectives are to increase students' self-understanding, increase students' knowledge about the world of work, fostering a harmonious attitude towards participation, increasing thinking skills to be able to make decisions, developing values related to the lifestyle one aspires to

**3.3. Knowing how much understanding students receive when receiving career information services to map career information through the medium of a career tree**

The data obtained shows a relationship between career trees and exploration, strengthening career decisions with a Significance value of  $<0.05$ , then the correlation level between career trees and exploration and strengthening career decisions with a Pearson Correlation value of  $-0.661^{**}$ , is included in the kua category.

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