

Hak Cipta Diindungi Undang-Undang

1. Dilarang mengutip sebagian atau seluruh karya tulis ini tanpa mencantumkan dan menyebutkan sumber:
 - a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan, penulisan kritik atau tinjauan suatu masalah.
 - b. Pengutipan tidak merugikan kepentingan yang wajar UIN Suska Riau.
2. Dilarang mengumumkan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin UIN Suska Riau.

CHAPTER III

METHOD OF THE RESEARCH

A. Research Design

The design for this research was correlation in explanatory research design. According to (Creswell (2012), “an explanatory research design is a correlation design in which the research is interested in the extent to which two variable (or more) co-vary, that is, where changes in one variable are reflected in changes in the other”. Both variables were the students’ motivation and their writing ability. The students’ motivation was variable X (independent variable) and their writing ability was variable Y (dependent variable).

B. Time and Location of the Research

1. Time of the Research

This research was conducted in April 2019.

2. Location of the Research

The location of this research was conducted at State Senior High School 1 Kampar. It is located at Air Tiris Street.

C. Subject and Objective of the Research

1. Subject of the Research

The subject of this research was the tenth grade students of senior High School 1 Kampar.

Hak Cipta Diindungi Undang-Undang

1. Dilarang mengutip sebagian atau seluruh karya tulis ini tanpa mencantumkan dan menyebutkan sumber:
 - a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan, penulisan kritik atau tinjauan suatu masalah.
 - b. Pengutipan tidak merugikan kepentingan yang wajar UIN Suska Riau.
2. Dilarang mengumumkan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin UIN Suska Riau.

2. Object of the Research

The object of this research was the students' motivation and their writing ability of tenth grade at state senior high school 1 Kampar.

D. Population and Sample of the Research

1. Population of the Research

The population of this research was the tenth grade students of state senior high school 1 Kampar in 2018/2019 academic year. The total of population was 300 students. They consisted of nine class.

Table III.1
The total population of the tenth grade students at state senior high school 1 Kampar

No	Classes	Total of the students
1	X MIPA 1	34
2	X MIPA 2	34
3	X MIPA 3	34
4	X MIPA 4	33
5	X MIPA 5	33
6	X IPS 1	34
7	X IPS2 2	33
8	X IPS 3	33
9	X IPS 4	32
Total		300

2. Sample

The population of this research was 300 students. According to Arikunto (2006, p. 134) states that if the population is less than 100 people should be take altogether, if the population is large or more than 100 people can be take 10%-15% or 20%-25% or more. Because the population is too large, the writer would take 30% of the population as the

Hak Cipta Diindungi Undang-Undang

1. Diarang mengutip sebagian atau seluruh karya tulis ini tanpa mencantumkan dan menyebutkan sumber:
 - a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan, penulisan kritik atau tinjauan suatu masalah.
 - b. Pengutipan tidak merugikan kepentingan yang wajar UIN Suska Riau.
2. Diarang mengumumkan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin UIN Suska Riau.

sample. So the researcher would take 90 students as the sample of the research. The technique that would used in this research is simple random sampling. According to Fraenkle, Allen and Hyun (2012), simple random sampling is every member of the population has an equal and independent chance of being selected as the sample.

Table III.2
The sample of the tenth grade students at senior high school 1
Kampar

No	Class	Total of the population	Sample 30%)
1	X MIPA 1	34	
2	X MIPA 2	34	
3	XIMIPA 3	34	
4	X MIPA 4	33	
5	X MIPA 5	33	
6	X IPS 1	34	90
7	X IPS 2	33	
8	X IPS 3	33	
9	X IPS 4	32	
Total		300	

E. Data Collection Technique

1. Questionnaire

According to Anderson (2015), “a questionnaire permits the collection of reliable and reasonably valid data in a simple, cheap and timely manner”. A questionnaire is a data collection instrument consists of a series of questions and other prompts for the purpose of gathering information from respondent. In this research, the researcher used questionnaire to measure students’ motivation or variable X.

The questionnaire are adapting from AMTB (Attitude/Motivation Test Battery) by Gardener. Actually it consists of many items of statements involving attitude and motivation, but the researcher only took

Hak Cipta Diindungi Undang-Undang

1. Dilarang mengutip sebagian atau seluruh karya tulis ini tanpa mencantumkan dan menyebutkan sumber:
 - a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan, penulisan kritik atau tinjauan suatu masalah.
 - b. Pengutipan tidak merugikan kepentingan yang wajar UIN Suska Riau.
2. Dilarang mengumumkan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin UIN Suska Riau.

30 items which are suitable with this study and modified the questionnaire based on the context of students. Therefore, the researcher only took motivation statements from AMTB and the translated into Indonesian language.

Tabel III.3
Blue Print of Questionnaire
Students' Motivation

Types Of Motivation	Aspects	Indicator	Number Of Items
Intrinsic motivation	Effort	Practice English every day	19,22
		Asking to teacher/friends when getting difficulties	20,23
		Doing English assignment	21, 24
	Desire	Students have strong desire to be able to speak English	16, 25
		English is very important for students' carrier in the future	17, 26
		Students exercise English	15, 27
Attitude	Students liketo speak English	29	
	Students considered English as an interesting lesson	28	
	Speaking in English is important program in the school	30	
Extrinsic motivation	Teacher	Teacher gives reward to students	1, 4
		Teacher becomes an inspiration	2,6
		Teacher uses interesting method in teaching	3,5
	Parent	Asking students to follow English private course	7,10
		Helping students to overcome difficulties	8,11
		Giving reward	9,12
Environment	The situation in the classroom is very interesting	13	
	Students are easy to speak wherever they are	14	
		Students have high confidence to speak	18

Tabel III.4
The Likert Scale Rating

Option	Score	
	Positive Statement	Negative Statement
Strongly Agree	5	1
Agree	4	2
Undecided	3	3
Disagree	2	4
Strongly Disagree	1	5

2. Test

According to Cohen, Manion & Morison, (2007), "test is subject to items analysis". Pertaining to definition above Brown (2003) said "a test is a method of measuring a person's ability, knowledge, or performance in a given domain". The point that have been examined that

Hak Cipta Diindungi Undang-Undang

1. Dilarang mengutip sebagian atau seluruh karya tulis ini tanpa mencantumkan dan menyebutkan sumber:
 - a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan, penulisan kritik atau tinjauan suatu masalah.
 - b. Pengutipan tidak merugikan kepentingan yang wajar UIN Suska Riau.
2. Dilarang mengumumkan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin UIN Suska Riau.

can measure and evaluate the indicator of test that has been formulated in operational concept of writing ability or variable Y.

Hughes (1989, p.104) stated that assessing and scoring students' writing can be done by using ESL Composition Profile. ESL Composition Profile provides some criteria that should be measured by the teacher. It can be seen as follows:

Table. III.5
Writing Scoring Rubric

	Score	Criteria
CONTENT	30-27	Excellent to very good: knowledgeable; substantive; through development of thesis; relevant to assigned topic
	26-22	Good to average: some knowledge of subject; adequate range; limited development of thesis; mostly relevant to topic, but lacks detail
	16-13	Very poor: does not show knowledge of subject; non-substantive; not pertinent; or not enough to evaluate
ORGANIZATION	20-18	Excellent to very good: fluent expression; ideas clearly stated/supported; succinct; well organized; logical sequencing; cohesive
	17-14	Good to average: somewhat choppy; loosely organized but main ideas stand out; limited support; logical but incomplete sequencing
	13-10	Fair to poor: non fluent; ideas confused or disconnected ; lacks logical sequencing and development
	9-7	Very poor: does not communicate, no organization or not enough to evaluate
VOCABULARY	20-18	Excellent to very good: sophisticated range; effective word/idiom choice and usage, word form mastery; appropriate register
	17-14	Good to average: adequate range; occasional errors of word/idiom form, choice, usage but meaning not obscured
	13-10	Fair to poor: limited range; frequent errors of word/idiom form, choice, usage; meaning confused or obscured
	9-7	Very poor: essentially translation; little knowledge of English vocabulary, idiom, word form, or not enough to evaluate
LANGUAGE USE	25-22	Excellent to very good: effective complex constructions; few errors of agreement, tense, number, word order/function, articles, pronouns, prepositions
	21-18	Good to average: effective but simple constructions; minor problems in complex constructions; several errors for agreement, tense, number, word order/function, articles, pronouns, prepositions but meaning seldom obscured
	17-11	Fair to poor: major problems in simple/complex

Hak Cipta Dilindungi Undang-Undang

1. Dilarang mengutip sebagian atau seluruh karya tulis ini tanpa mencantumkan dan menyebutkan sumber:
 - a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan, penulisan kritik atau tinjauan suatu masalah.
 - b. Pengutipan tidak merugikan kepentingan yang wajar UIN Suska Riau.
2. Dilarang mengumumkan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin UIN Suska Riau.

	Score	Criteria
MECHANICS	10-5	constructions; frequent errors of negation, agreement, tense, number, word order/function, articles, pronouns, prepositions and /or fragments, run-ons, deletions; meaning confused or obscured Very poor: virtually no mastery of sentence construction rules; dominated by errors; does not communicate; or not enough to evaluate
	5	Excelent to very good: demonstrates mastery of conventions; few errors of spelling; punctuation, capitalization, paragraphing
	4	Good to average: occasional errors of spelling, punctuation, capitalization, paragraphing but meaning not obscured
	3	Fair to poor: frequent errors of spelling, punctuation, capitalization, paragraphing; poor handwriting; meaning confused or obscured
	2	Very poor: no mastery of conventions; dominated by errors of spelling, punctuation, capitalization, paragraphing; handwriting illegible; or not enough to evaluate

Explanation of the score:

Content	: 30
Organization	: 20
Vocabulary	: 20
Language use	: 25
Mechanics	: 5
Total	: 100

After the students do the test, the researcher then takes total score from the result of writing ability. The classification of the students' score is as follows (Sudijono, 2007, p.35):

Table III.6
The Classification of Students' Score

No.	Score/ Range	Criteria
1.	80 – 100	Very Good
2.	70 – 79	Good
3.	60 – 69	Sufficient
4.	50 – 59	Less
5.	0 - 49	Fail

Hak Cipta Diindungi Undang-Undang

1. Dilarang mengutip sebagian atau seluruh karya tulis ini tanpa mencantumkan dan menyebutkan sumber:
 - a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan, penulisan kritik atau tinjauan suatu masalah.
 - b. Pengutipan tidak merugikan kepentingan yang wajar UIN Suska Riau.
2. Dilarang mengumumkan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin UIN Suska Riau.

3. Validity

Creswell (2008) stated that, “validity is the individual’s scores from an instrument make sense, meaningful, enable the researcher to draw good conclusions from the sample the are studying to the population”. It means that validity makes a score is appropriate and meaningful. An instrument is valid if it is able to measure what must be .

Attitude Motivation Test Battery / AMTB by Gardener was adapted to measure students’ motivation. The questionnaire commonly used by many researchers to measure motivation whether for Second Language or Foreign Language students in different countries.

To find out the validity of questionnaire, the researcher calculated it by using SPSS 20 version.

a. Validity Students’ Motivation

To analyze the validity of students’ motivation, the researcher conducted a try out to 35 items by handing them to them to 20 students. The researcher used SPSS 20.0 program to analyze the data. The researcher compared r_{observed} to r_{table} at significant level of 5% is 0.444 (df=N-2=18). The r_{observed} of each item should be higher than the r_{table} to be considered as a valid question. If r_{observed} on the analysis is less than r_{table} , it can be concluded that these items are not significantly correlated with the total score (declared invalid) and must be removed or corrected.

Hak Cipta Diindungi Undang-Undang

1. Diarangi mengutip sebagian atau seluruh karya tulis ini tanpa mencantumkan dan menyebutkan sumber:
 - a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan, penulisan kritik atau tinjauan suatu masalah.
 - b. Pengutipan tidak merugikan kepentingan yang wajar UIN Suska Riau.
2. Diarangi mengumumkan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin UIN Suska Riau.

The result of the analysis showed that there were 30 questions accepted or valid and the others were rejected or invalid, 30 questions are valid and the rest are dropped. The dropped item is statement number 10, 14, 18, 25, 30. These items were dropped because the scores are under 0.444.

Table III.7
Validity of Students' Motivation

Item 1	0.871	0.444	Valid	Item 19	0.795	0.444	Valid
Item 2	0.528	0.444	Valid	Item 20	0.579	0.444	Valid
Item 3	0.771	0.444	Valid	Item 21	0.812	0.444	Valid
Item 4	0.528	0.444	Valid	Item 22	0.460	0.444	Valid
Item 5	0.871	0.444	Valid	Item 23	0.711	0.444	Valid
Item 6	0.727	0.444	Valid	Item 24	0.598	0.444	Valid
Item 7	0.871	0.444	Valid	Item 25	0.195	0.444	Invalid
Item 8	0.795	0.444	Valid	Item 26	0.711	0.444	Valid
Item 9	0.611	0.444	Valid	Item 27	0.760	0.444	Valid
Item 10	0.282	0.444	Invalid	Item 28	0.613	0.444	Valid
Item 11	0.871	0.444	Valid	Item 29	0.760	0.444	Valid
Item 12	0.456	0.444	Valid	Item 30	0.414	0.444	Invalid
Item 13	0.812	0.444	Valid	Item 31	0.610	0.444	Valid
Item 14	0.006	0.444	Invalid	Item32	0.711	0.444	Valid
Item 15	0.727	0.444	Valid	Item33	0.472	0.444	Valid
Item 16	0.871	0.444	Valid	Item34	0.610	0.444	Valid
Item 17	0.610	0.444	Valid	Item35	0.711	0.444	Valid
Item 18	0.145	0.444	Invalid				

b. Validity of Writing Test

In order to know the validity of writing ability test, the researcher use content validity. Content validity is partly a matter of determining if the content that the instrument contains is an adequate sample of domain of content, it is supposed to represent. Content validity refers to the content and format of the instrument. How appropriate the content or format is. Thus, the researcher gave the test based on the material that was studied by the students. The material of the test was taken from the textbook.

Hak Cipta Diindungi Undang-Undang

1. Dilarang mengutip sebagian atau seluruh karya tulis ini tanpa mencantumkan dan menyebutkan sumber:
 - a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan, penulisan kritik atau tinjauan suatu masalah.
 - b. Pengutipan tidak merugikan kepentingan yang wajar UIN Suska Riau.
2. Dilarang mengumumkan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin UIN Suska Riau.

4. Reliability

Reliability has to do with accuracy of measurement. This kind of accuracy is reflected in obtaining the similar result when measurement is repeated on different occasion or with different instruments or by different person. Brown (2003) stated that the characteristic of reliability is sometimes termed consistency. The table below is the categories of reliability test used in determining the level of reliability of the test.

Table III.8
The Level of Acceptable Reliability

No	Reliability	Validity
1	>0.90	Very high
2	0.80-0.90	High
3	0.70-0.79	Reliable
4	0.60-0.69	Marginally/Minimally
5	<0.60	Unacceptably low

(Cohen, Manion, & Morison, 2007, p.506)

To obtain the reliability of the students' motivation, the researcher used SPSS 20.0 Program to find out whether the test was reliable or not.

Table III.9
Reliability Statistics

Cronbach's Alpha	N of Items
0.944	35

From the table above, it can be seen the value of Cronbach's alpha is 0.944. The value is higher than the standard Cronbach's alpha which is 0.60. Therefore, it can be concluded the test is reliable, and the level of reliability is very high.

Hak Cipta Diindungi Undang-Undang

1. Dilarang mengutip sebagian atau seluruh karya tulis ini tanpa mencantumkan dan menyebutkan sumber:
 - a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan, penulisan kritik atau tinjauan suatu masalah.
 - b. Pengutipan tidak merugikan kepentingan yang wajar UIN Suska Riau.
2. Dilarang mengumumkan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin UIN Suska Riau.

Technique of Analyzing the Data

In order to find out whether there is a significant correlation between students' motivation and their writing ability, the data was analyzed by using statistical formula. Because the data is normally distributed, the researcher used Pearson product-moment correlation technique to analyze the data. The hypothesis are as follow:

$$H_0 : \text{Sig. (2-tailed)} > \alpha (0.05)$$

$$H_a : \text{Sig. (2-tailed)} < \alpha (0.05)$$

H_0 is accepted if the value of sig. (2-tailed) $> \alpha (0.05)$. It means that there is no significant correlation between students' motivation and their writing ability at tenth grade of state senior high school 1 Kampar.

H_a is accepted if the value of sig. (2-tailed) $< \alpha (0.05)$. It means that there is a significant correlation between students' motivation and their writing ability at tenth grade of state senior high school 1 Kampar.