



## **CHAPTER I**

### **INTRODUCTION**

This chapter discusses the creation of the research, which explains why the researcher conducts the studies. This chapter consists of a heritage of the research, the placing of the studies, the difficulty of the studies, the components of the studies, the reason of the studies, and the definition of the key terms.

#### **1.1 Background of The Problem**

English is a global language for international communication. Foreigners are mainly using English to connect with other people. It meant that English was essential and helpful to learn. If we cannot speak English well, we cannot interact with people worldwide. Jannah (2020:79) supports that Vocabulary refers to phrases the reader desires to recognise to communicate with others. they are studying overseas language abilities, particularly listening, speaking, reading, and writing. Meanwhile, to master those capabilities, students need to first examine the language components: Vocabulary, grammar, and pronunciation.

In this case, Vocabulary is the crucial issue of foreign language studying as Thornbury says that very little can be conveyed without grammar. without Vocabulary, now not whatever may be conveyed. So, it is able to be concluded that someone cannot convey anything without Vocabulary. Therefore, learning a language can be started by learning the Vocabulary first. Because of without having much Vocabulary, learners will find it difficult to master language skills.

Moreover, Donal (2012) argues that Vocabulary plays an essential characteristic in developing the four language competencies. in the teaching and

studying method, college students with limited Vocabulary may be unable to understand the English material, such as reading a text, writing a text, understanding the book instruction, and many others. Students cannot understand a text unless they understand the word commonly used in teaching English. To build good English, students must have a good quality vocabulary.

Nowadays, most of the students were in Vocabulary weak in vocabulary mastery. They were not interested in learning English without a proportional amount of Vocabulary. Brummer and Meccaca (2013:29) argue that Vocabulary is a listing of words geared up to be used in a single's speech and writing. It is meant to write a text or deliver a speech. Students had to prepare much Vocabulary to reveal their idea. Limited Vocabulary was one of the problems that must be solved in school. Because English is one of the subjects used as a graduation standard for students thus, the students must get higher scores in English subjects. English has recently been taught in Junior high schools. So students who have just graduated from elementary school have difficulty understanding English subjects. It is because they do not have sufficient Vocabulary. it is supported via what Alqahtani (2015:22) says that achieving students possess sufficient Vocabulary. It means the more Vocabulary they have, the more successful they will be in English subjects.

The researcher interviewed the teacher and several students of MTS Ar-Rahmah Petapahan. The teacher said that in seven classes when studying English in the classroom, both male and female classes were quite enthusiastic. Because the teacher not only focused on the material, but sometimes she gave a story related to daily life to add to their list of words. From a story, students were still

confused about this word, including an adjective, verb, noun, etc., and the teacher's way to improve students' Vocabulary only by repeating words example, "How are you? "are you okay? So they remembered it. The researcher also interviewed several students; they felt challenging to memorize some words in English.

In this case, some students had limited vocabulary' only about 40% of them understood the meaning of a word or sentence and did not know the kinds of the word (adjective, verb, noun, etc). It meant that teachers needed a strategy to help students know the kinds of the word also. Without knowing it, the students of MTS Ar-Rahmah Petapahan found it challenging to comprehend the material. one of the effective approaches that become assumed to assist college students became the crew increased guidance model method.

in keeping with Slavin (2017: 191), the Cooperative learning model type of team multiplied preparation (TAI) is a studying model designed for teaching that can solve problems related to useless character coaching methods, where students work in cooperative getting to know groups. TAI is designed to make students responsible for coping with and examining frequently, helping each different in the face of issues, and motivating others to move forward.

based at the troubles above, the researcher turned into interested in undertaking studies entitled "The impact Of the usage of The version group extended training at the Vocabulary Mastery Of seventh Graders Of MTS Ar-Rahmah Petapahan."

## **1.2 Identification of the Problem**

primarily based at the heritage of the problem said above, the research units the hassle into the following cases: First, students warfare to consider English vocabulary. 2d, college students aren't fascinated and lose interest with the coaching-studying system. third, students nevertheless have low capability in cloth Vocabulary.

based totally on the heritage of the troubles said above, the research found solutions in overcoming the following cases: first, choosing the correct method for the students' conditions. Second, the use of media must be maximized. Third, the presentation of the material must be more enjoyable. Moreover, fourth, create a fun learning atmosphere.

## **1.3 Limitations of the Problem**

primarily based at the background of the previous troubles, the scope of this studies is centered on Vocabulary. limitations of researchers are the which means, characteristics, Pronunciation, and Spelling. To avoid misinterpretation of the trouble, the researchers focused on the scholar's vocabulary mastery in grade seventeen of MTS Ar-Rahmah Petapahan. Here, the researcher processes student mastery data using accelerated team instruction in teaching English vocabulary.

## **1.4 Formulation of The Problem**

The studies hassle is formulated as follows: is there any giant effect of the team's accelerated Instruction on students' Vocabulary in learning English as first-grader students of MTS Ar-Rahmah Petapahan?

### **1.5 Purpose of The Research**

This studies aims to decide whether or not the crew improved instruction of college students affects students' vocabulary mastery using the model team accelerated Instruction in the seventh grade of MTS Ar-Rahmah Petapahan.

### **1.6 Significance of The Research**

The finding of this studies could be predicted to be valuable and relevant to:

#### **1. Theoretically**

Theoretically, the look at could be given a more accessible and more exciting way to master Vocabulary.

#### **2. Practical Benefits**

for the researcher: team accelerated Instruction in learning can add insight and broader knowledge. For teachers: This research is helpful as a reference for teachers in applying speed in accelerated Instruction in vocabulary learning in class so that the teaching and learning process can run effectively. For children: This accelerated Instruction will improve speaking skills, increase children's word knowledge, and apply them in everyday life. For schools: schools can use this research to increase students' knowledge about implementing good accelerated learning team instructions in the teaching and learning process in the classroom, especially regarding Vocabulary.

### **1.7 Definition of Key Terms**

#### **1. Vocabulary**

Tankersley (2005:66) says that Vocabulary consists of the words we apprehend and can actively concentrate to, speak, examine, or write. they are able to study English quickly in the event that they master the Vocabulary within the first grade on the junior high faculty level. However, the teacher must have a strategy for students to master Vocabulary properly MTS Ar-Rahmah Petapahan.

## 2. Team Accelerated Instruction

Setiati & Satriani ( 2019) say team elevated practise (TAI) adapt coaching to person differences in college students' abilties and fulfillment. similarly, to solving motivational troubles in individual coaching strategies, team improved preparation. (TAI) is designed to derive considerable blessings from the potential socialization contained in. cooperative gaining knowledge of college students may also proceed at unique charges and paintings on devices containing a manual page reviewing the principles, skill exercise pages, formative quizzes, a fifteen-object unit test, and answer pages so that a student monitor may additionally score the test.

within the group extended coaching technique, students have to check their paintings with every different and work with every other based on a chain of specific questions. The teacher can supply cursory factors about the questions that the scholar normally taken into consideration complicated. in this team expanded education method, individual accountability, same opportunities for achievement, and motivational dynamics become the principle elements to be emphasized through the instructor (Huda, 2011: 125).

According to (Slavin, 2008: 187-190 in Yusron), the team improved practise (TAI) learning model is student-targeted. This type combines the blessings of cooperative gaining knowledge of and person gaining knowledge of. This kind is designed to triumph over character pupil studying difficulties. therefore, mastering sports are greater widely used for hassle-fixing. The hallmark of this kind of TAI is that every student in my opinion learns cloth that the teacher has organized. individual learning outcomes are delivered to corporations to be mentioned and mutually mentioned by way of members, and all group contributors are chargeable for the general solution as a shared obligation.

### 3. Teaching and Learning Vocabulary

According Zhelyazova, 2011). except, instructors also keep a huge responsibility to make sure acquisition fulfillment among novices. this is due to the fact novices are especially inquisitive about receiving vocabulary coaching (James, as stated in Barcroft, 2004). as a result, vocabulary acquisition relies upon not most effective on how newbies research but also on how they are taught. therefore, many pupils have evolved coaching and mastering concepts for instructors and rookies to teach and research Vocabulary, respectively. Ten concepts have been critical in obtaining Vocabulary (Richards and A. Renandya, 2008).



## **CHAPTER II**

### **REVIEW OF LITERATURE**

on this bankruptcy, the researcher discusses a evaluation of related theories, a assessment of related findings, a conceptual framework, and a hypothesis. A evaluate of related theories includes the nature of Vocabulary, the definition of Vocabulary, the types of Vocabulary, and the significance of teaching Vocabulary. the character of crew extended education; definition of model crew accelerated preparation, the impact of using version team improved preparation, procedures of team accelerated instruction model, and team accelerated instruction model examples.

#### **2.1 Review of The Related Theories**

##### **2.1.1. The of Vocabulary**

###### **a. Definition of Vocabulary**

Language is essential to communication for all human activities in this world. When to start a conversation, we should have a few words to say. Therefore, one of the keys to learning a language is that the person must analyze the Vocabulary first. We need Vocabulary for verbal exchange (talking) and all components that guide us in language learning. Vocabulary is the number of phrases that have meaning, and those use it to carry information orally and written.

Vocabulary experts deliver several interpretations. Tankersley (2005:sixty six) says that Vocabulary includes the words we understand and may actively pay attention to talk, read, or write. It means that we want a vocabulary to assist us

recognize and master the language skill within a language. moreover, Linse (2005:121) argues that Vocabulary is the collection of phrases an character knows. The more words we know, it be easier to learn a language.

In addition, Kusuma, Adnyani, and Taharyanti (2017:69) define Vocabulary as the essential component of the language which makes the language becomes so useful for communication. It means that Vocabulary is beneficial for communicating with others. Without knowing the word's meaning, people cannot use it to express themselves in certain situations. In other words, we lack getting information well if we do not have sufficient Vocabulary.

#### b. Purpose of Vocabulary

According to Astuti (2006) and Takala (1985 in Catalan 2005), say in standard, Vocabulary is to growth rookies' ability in language and to have understanding approximately the word and their elements, and these are general:

1. We need to determine the student vocabulary for business.
2. Quality means the number of words to count in a lesson. The minimal number of words for junior high school is around 1500 words, while for senior high school is about 4000 words.
3. Presentation to a precise knowledge of the which means of the words being discovered considering that means entails many things, which requires the coaching wherein the words are offered.

based on the reason above, there are some functions of Vocabulary. they are: to express opinion wondering, to explicit an concept in their society, particularly in early stages whilst college students are prompted, to study the

essential words they want to get by in language, to understand nuances of meaning, to come to be more talented in their very own desire of phrases and expressions, counting the lesson, want for commercial enterprise, and presentation. In precise purposes of Vocabulary based totally on curriculum 2013, the functions of Vocabulary in junior high college "is compiled ora; and written texts to state and ask for names, animal, object and public object which can be close to the everyday lives of college students with the aid of paying attention to social capabilities, text structures and linguistic factors which are correct and in context." It manner Vocabulary for junior high college to assist students in learning. English in each cloth of English; besides that, the scholars additionally should say and describe the Vocabulary.

#### c. Types of Vocabulary

Vocabulary may be divided into kinds, passive and active Vocabulary. the first is active Vocabulary which refers to gadgets that the learner can use as it should be in talking or writing and is also known as productive Vocabulary. it's far crucial to take into account preceding mastering of the mom tongue, other languages, or early direction in English while selecting and teaching Vocabulary and to keep away from "unteaching," in particular due to organizing and imparting Vocabulary. to use productive Vocabulary, students must realize the way to pronounce it properly, be acquainted with collocation and apprehend the word's which means. This type is frequently utilized in talking and writing talents. the second is the passive Vocabulary to language gadgets that can be identified and understood in studying or listening. it's also referred to as receptive

Vocabulary. There are four forms of Vocabulary: listening, talking, reading, and writing (Nurfitri, 2018).

### 1. Listening Vocabulary

2. This form of Vocabulary refers to words that humans can hear and understand. starting from the content material, he can sense sound while he is sixteen weeks vintage. similarly, babies continue to listen to one-of-a-kind words while unsleeping, and for that reason a person grows up listening to distinct words. the general public can become aware of and recognize nearly 50,000 phrases. however, in this case, the number of words developed is plenty less than that of a standard toddler's secondary auditory Vocabulary. The words we hear and understand. beginning in the womb, fetuses can detect sounds as early as sixteen weeks. furthermore, toddlers concentrate at some stage in all their waking hours – and we hold to examine new phrases this manner all our lives. via attaining adulthood, maximum folks will understand and recognize nearly 50.000 phrases. (Stahl, 1999; Tompjins, 2005) youngsters who're totally deaf do no longer get exposed to a listening vocabulary. the amount of words modeled is an awful lot much less than a hearing infant's incidental listening vocabulary (Nurfitri, 2018).

### 3. Reading Vocabulary

This Vocabulary refers to the words people understand whilst analyzing any textual content. analyzing is the hobby of the reader's notion, analysis, and interpretation to achieve messages conveyed by means of the writer in media

writing. human beings can study and understand many words. but, humans do now not use them in talking Vocabulary. This phenomenon is the second biggest Vocabulary in case you are a reader. You cannot "grow" your Vocabulary. The words we apprehend whilst we read textual content. we can examine and apprehend many phrases we do now not use in speakme Vocabulary (Nurfitri, 2018).

#### 4. Writing Vocabulary

This type of Vocabulary represents words we regain while writing to express thoughts. It is easy to explain what they need to reveal to humans by way of expressing however using the exact words for speaking the identical concept or notion through writing. It isn't always clean to consider because writing Vocabulary is stimulated with the aid of Vocabulary. It manner that Vocabulary is vital in writing. The phrase we will retrieve while we write to specific ourselves. We generally find it less difficult to provide an explanation for ourselves orally, using facial features and intonation to help get our thoughts across, than to locate the right words to communicate the same thoughts in writing (Nurfitri, 2018).

Not only Thornbury, Hatch, and Brown (1995), as referred to in Alqahtani (2015:25), imply styles of Vocabulary, particularly receptive Vocabulary and productive Vocabulary:

##### a. Receptive Vocabulary

Receptive Vocabulary is words freshmen understand and understand while utilized in context however can't produce. Receptive Vocabulary is likewise

known as a passive method because the learner simply receives mind from others. In brief, the set of phrases we can give meaning while listening or reading.

b. Productive Vocabulary

Effective Vocabulary is the word the rookies apprehend and might pronounce efficiently and constructively in talking and writing. Efficient Vocabulary may be addressed as an active procedure because the inexperienced persons can produce the words to express their notion to others. In brief, the set of phrases we will use whilst writing or talking.

From the statements above, the researcher concludes that the Vocabulary determined by means of the newcomers within the receptive and efficient Vocabulary are components of speech. The Vocabulary consists of nouns, verbs, adjectives, pronouns, prepositions, conjunctions, articles, and adverbs.

5. Speaking Vocabulary

Talking approximately speaking Vocabulary refers to speaking to someone. Maximum adults use nearly 5000 to ten thousand phrases to speak. The variety of words used in this situation is far much less than the listening vocabulary due to the comfort stage. It means that a person's speaking Vocabulary is all of the words used in communicate.

**2.1.2. The Team Accelerated Instruction**

a. Definition of Team Accelerated Instruction

This type of Team Accelerated Instruction (TAI) cooperative gaining knowledge of become developed via Robert E. Slavin. TAI is the same as STAD and TGT, using a mixture of abilities of four exceptional members and certifying

the pleasant-acting crew. but, the STAD and TGT strategies use a unmarried coaching sample for one magnificence, at the same time as TAI combines cooperative studying with man or woman coaching designed to deal with student studying problems in my opinion. further, STAD and TGT may be carried out to almost all topics and grade stages, even as TAI is particularly designed to educate English to students. the scholars guide and help each other to attempt tough because all of them want their group to prevail. person responsibility can be ensured because the best rating that counts is the final rating, and students take the final test without the help of a teammate (Slavin, 2010).

- b. in line with the opinions of Priansa (2017: 351-352), which states that Cooperative learning version crew extended training (TAI) has a motive for adopting getting to know that can grasp the that means of man or woman variations associated with the ability or fulfillment of beginners. in the TAI model, college students are positioned in small organizations of 4 to five students are heterogeneous.
- c. based totally on a number of the reviews above, it could be concluded that the Cooperative learning version kind group multiplied education (TAI) is a sort of cooperative getting to know model that emphasizes organization paintings (gaining knowledge of activities in corporations) where every institution is given a selected set of responsibilities to work on together, the utility of the version Cooperative gaining knowledge of This sort of team accelerated guidance (TAI) places more emphasis on institution rewards, man or woman responsibility and getting equal opportunities to

share consequences with each institution member. The Procedures of Team Accelerated Instruction (TAI)

1. The trainer divides the students into organizations based totally on their exclusive skills. The teacher divides it through giving numbers to all college students, and the organizations encompass students with the equal numbers. each institution includes four students, and they are assigned to complete particular studying cloth or homework.
2. Each group is given a series of particular obligations to be achieved collectively. factors inside the project are sequentially allotted to every member (e.g., for cloth that consists of 15 questions, 4 individuals in every institution should take turns to answer the questions about it).
3. All contributors have to check the answers of every other inside the group and assist every other if wished.
4. After that, every member is given individual exams without help from other contributors. throughout man or woman assessments, teachers ought to deliver extra interest to every pupil.
5. Each week, the instructor sums up what number of questions may be replied by means of each institution. The praise is given to agencies that could solution maximum questions correctly and end homework properly, instructor. offer more factors to individuals that could attain a mean score on the final examination.

in this crew increased guidance technique, students have to check their work with each other and work with each other primarily based on a series of



specific questions; the teacher can supply cursory reasons approximately the questions which were usually taken into consideration complicated by using the student. Cooperative gaining knowledge of version type of group accelerated guidance (TAI) is a gaining knowledge of version designed for coaching that could remedy troubles related to ineffective man or woman teaching methods, in which students paintings in cooperative getting to know teams (Slavin, 2017: 191).

The TAI getting to know version has strengths and weaknesses in learning. The blessings of the TAI gaining knowledge of version include assisting college students who've difficulty understanding learning material through peers. The weakness of TAI is that students who are less intelligent indirectly depend on bright students, and there is no group competition (Rahmatikasari, 2011). Weaknesses can be minimized by assisting students with learning difficulties and compensating with healthy competition between groups. The key to the TAI cooperative learning model is the application of peer-to-peer guidance (Widodo, 2015; Widodo, 2016).

## **2.2 Review of Related Finding**

the primary preceding look at was entitled: The Effectiveness of the usage of snap shots in teaching Vocabulary ( an experimental research inside the 7th grade of SMP Hasan Uddin 5 in the academic yr of 2016/2017) through Rohman. This studies design changed into experimental studies. It become carried out into two companies; the experimental organization (VII E) and the manage organization (VII A), chosen by a easy random sampling method. The

experimental organization was taught Vocabulary the use of pics, while the manage organization was taught Vocabulary with out snap shots. The tool of the studies became written assessments and documentation. There were pre-exams and publish-tests to gather statistics.

the second previous take a look at that is observed entitled: The Effectiveness of using group elevated guidance to improve student' speaking ability in appearing Adjacency Pairs (an Experimental observe of 7th Grades of SMP 11 Semarang inside the academic 12 months of 2011/2012), with the aid of Diah Nurhayati, This research uses quantitative experimental take a look at. The populace changed into 224 college students divided into seven lessons; every class changed into 32: researcher two training, 7D for the experimental group examine with Pre-check submit-check Nonequivalent-group layout. The research contraptions used were tryouts, checks, and observation journals.

The 1/3 previous take a look at this is found entitled: The Effectiveness of using crew improved training on the scholars' achievement in Writing Narrative textual content (A Quasi-Experimental look at on the English Grade college students of Wonodadiin the Academi yr of 2016/2017), by way of Ayu Fitri Alawiya. This studies performed experimental studies. The studies design used was a quasi-experimental named Nonrandomized manipulate institution design. the overall pattern turned into 55 students, with elegance VIII C as the control class and sophistication VIII D as the experimental class. The researcher held the tryout take a look at to get is validity and reliability of the devices. in the pre-test, the result of the study showed that the approach of the experimental elegance was

65.9286, and the manipulate class became sixty two.6926. when they got the remedies, the check result confirmed that the experimental magnificence done better than the control magnificence and confirmed extensive progress. on this check, the suggest rating of the experimental magnificence was 72.6429, whereas the manage magnificence changed into 67.7037.

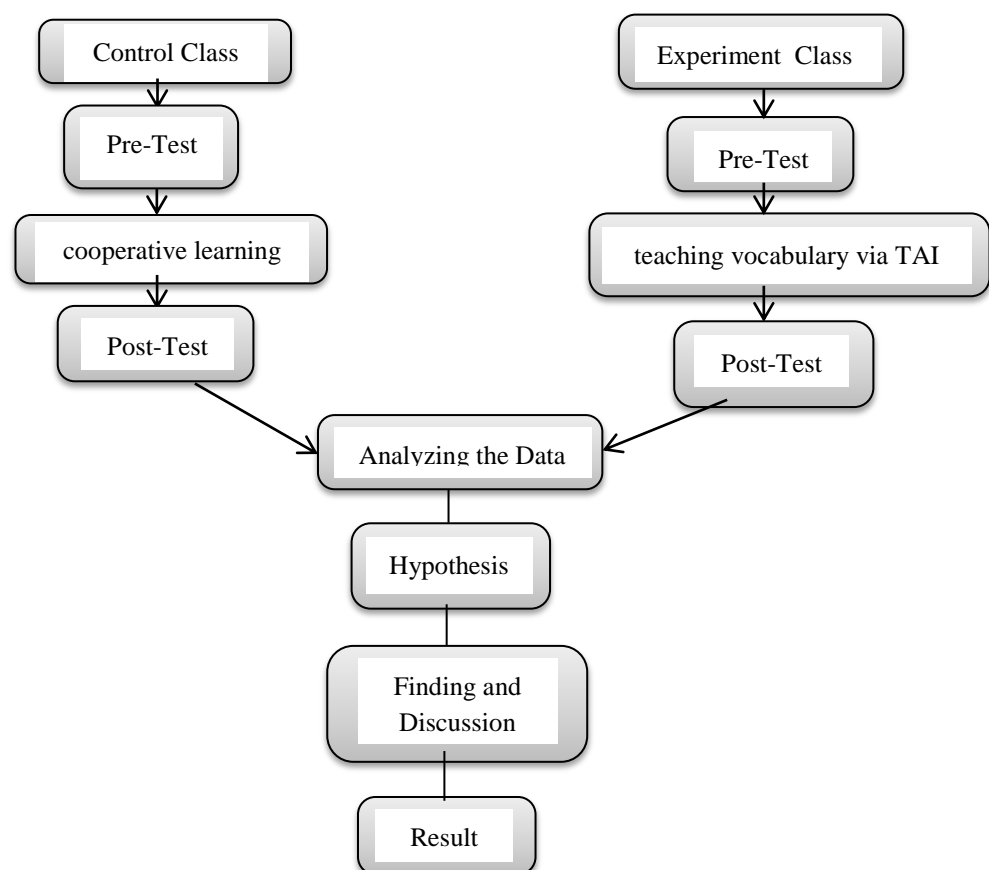
based totally on the facts acquired confirmed that the common pre-take a look at rating of the experimental group became 86.15 and that the manipulate institution turned into 88.45. meanwhile, the submit-test common of the experimental institution turned into fifty three.65, and the manipulate institution was 43.97. furthermore, it became obtained that the t-rely was 2.030 and t-desk ( $2.006 < 2.030$ ),  $H_0$  become rejected, and  $H_a$  frequent that there was a difference in the post-check average rating between the experimental and control companies. based totally at the result, it was concluded that using photos efficiently teaches Vocabulary to the 7th-grade student of SMP Hasanuddin 5 Semarang inside the academic year of 2016/2017.

So, from the above description, the researcher concluded that many strategies should growth the pupil's vocabulary mastery. subsequent, the researcher hopes that teen improved practise technique can growth the pupil's vocabulary mastery. So, the researcher became interested in studying the effectiveness of the use of crew elevated practise of Vocabulary at MTS Ar-Rahmah Petapahan.

### **2.3 Conceptual Framework**

In this, a conceptual framework is the effectiveness of Team Accelerated Instruction of Vocabulary at MTS Ar-Rahmah Petapahan. This concept can be seen in the following figure.

**Figure 1. Conceptual Frame Work**



Research creates a concept for research. The conceptual framework above provides a brief explanation of the outline of the research. step one in accumulating information for this look at become for the researcher to ensure that the students to be taught used the Team Acceleration Instruction and followed the research objectives. In this study, the researcher will give several tests with

students for the data obtained, then process the data in a split problem on how students perceive the team's accelerated instruction strategy to learn English vocabulary.

## **2.4 Hypothesis**

in line with Sugiyono (2015:sixty four), "speculation is a brief solution to the system of research problem, where the formulation of studies hassle has been expressed inside the form of question sentences.

on this research, the researcher proposes hypotheses. There are as follows:

Ha: The crew improved coaching method significantly impacts college students' vocabulary mastery in coaching English in the seventh grade of MTS Ar-Rahmah Petapahan.

Ho: there's no full-size impact of using the team improved method on college students' vocabulary mastery in teaching English in the seven grade of MTS Ar-Rahmah Petapahan.

## **CHAPTER III**

### **RESEARCH METHODOLOGY**

This chapter explains approximately studies method that the researcher will use in this observe. This chapter consists of several sections, research design, putting of the studies, population and pattern, instrumentation, the method of the studies, the method of collecting the data, the technique of studying the data taken at the first-grade student of MTS Ar-Rahmah Petapahan and research device.

#### **3.1 Research Design**

The studies become experimental. It method this research aimed to look the effect of the studies variable and degree the speculation (Eripuddin and Kasyulita, 2019). This studies changed into designed as a quasi-experimental. It examined whether there is a causal relationship among independent and based variables. similarly, Loewen & Plonsky (2016) additionally country that that the unbiased variable is the variable of affect, and the established variable is the variable being encouraged. In other phrases, the independent variable become anticipated to exchange the structured variable.

The layout of this studies turned into a quasi-experimental studies type pre-test and post-take a look at layout. It includes two organizations. They were experimental and manage organizations. The experimental organization became taught the use of group-increased training, and the manipulate institution turned into taught by means of a conventional method. each groups have been given pre-test and put up-test with the identical cloth and check.

This studies includes variables; the unbiased variable is symbolized by means of "X," that is crew multiplied instruction version, and the structured one is "Y," which refers to Vocabulary. The following table could design the research:

**Table 3.1 Research Design**

Class	Pre-test	Treatment	Post-test
Experiment	$O_1$	-	$O_2$
Control	$O_1$	X	$O_2$

Sugiyono (2015:79)

### **3.2 The setting of the research**

This research was conducted at MTS Ar-Rahmah Petapahan, located at Jl. Lintas Petapahan-Pekanbaru Km 38 Desa Petapahan Kec. Tapung Kab. Kampar Kec. Tapung, Kabupaten Kampar Riau 28464 Regency. The research was conducted in March 2023.

### **3.3 Population and Sample**

#### **1. The population of the research**

Population is the total object of research. Meanwhile, Sugiyono (2015:80) defines the populace as a generalization vicinity which includes gadgets or subjects with particular features and characteristics selected with the aid of the researcher to be found out and concluded. The populace of this studies become the seven grade students of MTS Ar-Rahmah Petapahan.

The population of this studies is first-grade college students of MTS Ar-Rahmah Petapahan. this faculty is positioned on Jl. Lintas Petapahan-Pekanbaru

Km 38 Desa Petapahan Kec. Tapung Kab. Kampar Kec. Tapung, Kabupaten Kampar Riau 28464. There is one class in class one with 23 and 26 students. The research used one of these classes in this study.

**Table 3.2 Population**

No	CLASS	P
1	VIIA	26
2	VIIB	26
3	VIIC	23
4	VIID	26
5	VIIIE	26
Total		127

## 2. Sample of the Research

The pattern is part of the population however is extra specific. furthermore, Sugiyono (2015: eighty one) defines the pattern as part of the populace's quantity and characteristics, and the sampling approach is a manner to decide the sample to be used in research. consistent with L.R homosexual (2000), cluster sampling selects companies, now not people; all selected group contributors have the equal traits. The researcher took lessons after clustering the pattern. because the population is greater than one hundred and the sample used is a clustering pattern, all populations are best taken as samples in this take a look at.

based totally on session with the English teacher, the researcher took one class as the experimental magnificence and one magnificence because the manage elegance. due to the fact it is homogeneous and has the same traits and students have the same cloth approximately Vocabulary studying, the researcher handiest



takes one elegance E because the experimental magnificence and class A as the control elegance. The range of samples is fifty two college students. The experimental elegance consisted of 26 students, and the manage elegance consisted of 26 college students.

**Table 3.3 Sample of the Research**

No.	Class	The number of students	Sample
1	VII A	26	Control Class
	VII E	26	Experiment

### **3.4 Instrument of Research**

According to (Sugiyono, 2011, p.133), research instruments are used to degree the value of the variables studied. as a result the quantity of devices for use for studies depends at the range of variables studied.

on this research, the instrumentation supplied tests to the scholars. A check is a device or technique to determine or measure something within the circumstances in a predetermined way and association (Suharsimi Arikunto, 2008:52). a couple of choice take a look at. The test become performed two times, pre-take a look at and publish-check designs. The pre-check at the first meeting ambitions to measure or decide the students' vocabulary competencies rating earlier than treatment, and the put up-take a look at at the remaining assembly to decide students' Vocabulary after remedy. remedy will use the model team to expedite preparation. To get the score, the researcher corrected the take a look at for the scholars. The take a look at builds on the course outline from the eighth

grade in the curriculum. Researchers also observed textbooks used by teachers as references.

### **1. Vocabulary Test**

The check turned into to determine the impact of the use of the group acceleration preparation model strategy at the 7th-grade college students' vocabulary mastery of MTS Ar-Rahmah Petapahan. in this examine, the researcher used a vocabulary check. The check is a more than one desire from an English teacher's reference ebook containing six chapters and numerous questions. according to Thornbury (2002: 132), multiple desire is a popular manner of checking out because it is easy to evaluate and design. In different phrases, more than one choice is one of the maximum familiar tests researchers use. The check consists of a pre-take a look at and a post-test. both the pre-test and publish-test were given 37 more than one-choice questions. each check object with five selections, A, B, C, D, and E. So, college students pick out the right solution.

### **2. Documentation**

Documentation is one way to collect data such as book documents, photos, videos, regulations, etc. Research documentation is a review of research results. on this documentary, the researcher additionally attaches a lesson plan.

### **3. Observation**

Based on the researcher's observation of the English teacher at MTS Ar-Rahmah Petapahan on March 13, 2023, the researcher found that students had problems understanding the meaning of language vocabulary, especially in

teaching English. First, some students had difficulty identifying the main ideas, and the teacher said that students could not find and understand the main ideas to be conveyed in learning English. So that the message from the lesson is not conveyed correctly. Second, in learning read by students, some students have difficulty finding essential things in Vocabulary, so it is not easy to find important information in learning. Third, students have problems mastering vocabulary. Vocabulary is very important in learning reading. Due to a lack of Vocabulary, students cannot understand the words and meanings of English lessons. There are many successful strategies to improve vocabulary skills in English. In this study, researchers applied the Team Accelerated Instruction (TAI) strategy to improve vocabulary skills, focusing on learning English.

Some indicators were applied during the test. It can be seen below:

**Table 3.4 Indicators of Vocabulary Mastery by using TAI**

Variable	Indicators
Vocabulary	Meaning Characteristics Pronunciation Spelling

The researcher made the questions of the check based totally at the indicator above. After making the questions, the researcher selected two training as samples. The questions made by the researcher were tried out on samples of

this research. Trying out a research instrument was to measure the validity and reliability of the excellent instrument.

### 1. Validity

The validity aims to determine the validity or suitability of the instruments used to obtain data from respondents or research samples (Niati & Annajmi, 2020:82).

The formula that will be used can be seen below:

$$r_{xy} = \frac{N\Sigma XY - (\Sigma X)(\Sigma Y)}{\sqrt{\{N\Sigma X^2 - (\Sigma X)^2\} \{N(\Sigma Y^2 - (\Sigma Y)^2)\}}}$$

Where:

$r_{xy}$  = Correlation coefficient between score item and total score

N = quantity of samples

$\Sigma X$  = rating object

$\Sigma Y$  =total rankings

### 2. Reliability

The reliability instrument is a measure that states an instrument's consistency level. This reliability test determines the level of trustworthiness of an instrument used in research (Niati & Annajmi, 2020:83). The formula that will be used can be seen below:

$$a = \left( \frac{k}{k-1} \right) \left( 1 - \frac{\Sigma s_t^2}{s_t^2} \right)$$

Where:

a = Reliability Instrument

k = The number of test items

i = Test items

$$S_t^2 = \text{Variance of test items} \left( s_t^2 = \frac{\Sigma x^2 - \frac{(\Sigma X)^2}{N}}{N} \right)$$

$$S_t^2 = \text{Variance total score of test items} \left( s_t^2 = \frac{\Sigma X^2 - \frac{(\Sigma X_t)^2}{N}}{N} \right)$$

Where:

$\Sigma X^2$  = number of squares of the correct answers

$\Sigma X$  = number of correct answers

$N$  = number of samples

$\Sigma X_t$  = number of total scores

### 3.5 The procedure of the research

#### 1. The Procedure of the Research for Control Class

Some activities were conducted by the researcher in the control class, such as conducting a pre-test, using a conventional technique in teaching Vocabulary in teaching English and giving a post-test. The description of those activities can be seen below.

**Table 3.5 Procedure for Control Class**

No	Teaching Activities	Description
1	Pre-Test	<ul style="list-style-type: none"> <li>- The researcher checked the student's attendance</li> <li>- The researcher gave a vocabulary test to the students</li> </ul>
2		<p style="text-align: center;"><b>Step 1</b></p> <p><b>The teacher</b> opens the magnificence via greeting the students and briefly explaining what they may do in the assembly and matters regarding the research.</p>

	No Treatment	<p>college students take note of their trainer's explanation and advent and provide feedback or questions which can be taken into consideration crucial.</p> <p style="text-align: center;"><b>Step 2</b></p> <p><b>The teacher</b> gave them copies of the teaching English text and asked them to read and discuss it.</p> <p><b>Students with the group</b> did what the teacher asked and then underlined every verb and adjective.</p> <p style="text-align: center;"><b>Step 3</b></p> <p><b>The teacher</b> helps students to find verbs and adjectives in the text.</p> <p><b>Students</b> look up and translate new Vocabulary.</p> <p style="text-align: center;"><b>Step 4</b></p> <p><b>The teacher</b> asked them to share their Vocabulary with other groups.</p> <p><b>Students</b> write the Vocabulary they are looking for on the blackboard. Finally, the teacher gave a quiz to help them memorize the Vocabulary they discussed with their groups.</p>
3	Post-Test	<p>Post-Activities</p> <ul style="list-style-type: none"> <li>- The research checked students' attendance</li> <li>- The research gave a post-test on Vocabulary</li> </ul>

		- The research evaluated the result of the test
--	--	---

## 2. The Procedure of the Research for Control Class

In the experimental class. Researchers used the Team Accelerated Instruction Model strategy to teach Vocabulary in English teaching texts. During the treatment process, the researcher carried out several teaching activities in class related to teaching Vocabulary using the Model Team Accelerated Instruction strategy for students.

**Table 3.6 Procedure for Experiment Class**

No	Teaching Activities	Description
1	Pre-Test	<ul style="list-style-type: none"> <li>- The researcher checked the student's attendance</li> <li>- The researcher gave a vocabulary take a look at to the scholars</li> </ul>
2	Treatment	<p>Step 1</p> <p><b>The teacher</b> opens the magnificence with the aid of greeting the scholars and in brief explaining what they'll do in the assembly and subjects referring to the studies.</p> <p><b>Students</b> be aware of their instructor's rationalization and creation and provide comments or questions which are considered essential.</p> <p>Step 2</p>

3	Post-Tests	<ul style="list-style-type: none"> <li>- The research checked students' attendance</li> <li>- The research gave a post-test on Vocabulary</li> <li>- The research evaluated the result of the test</li> </ul>
---	------------	---

### **3.6 The Technique of Collecting the Data**

According to Hasan (2004) in Ani (2020:43), data collection is intended to record events or characteristics of some or all elements of the population. In this research, there were some steps to gather the statistics: First, put together the device of a vocabulary take a look at, particularly multiple preference such as 37 questions. second, try out the test on samples to decide the validity and reliability of the instrument. third, the researcher gave a pre-test to the experimental and manage magnificence. A pre-check turned into aimed to know the students' basic knowledge of how far they mastered Vocabulary and whether they'd good vocabulary knowledge. A pre-test proved it.

Fourth, the researcher taught the scholars and gave treatment. The experiment magnificence used the team multiplied preparation strategy, and the control magnificence used the conventional approach. 5th, the researcher gave a publish-check to both instructions. It was given after the treatment will end. post-take a look at turned into purposed to decide college students' vocabulary achievement after using group increased preparation to improve their Vocabulary. The end result of the submit-check compared with the end result of the pre-take a look at was higher than the submit-take a look at, and on the contrary, the result of both the pre-test and publish-take a look at is the identical. within the ultimate



step, the researcher were given the records from the pre-check and publish-take a look at. next the information were analyzed the use of Statistical package for Social technology (SPSS).

### **3.7 The Technique of Analyzing the Data**

facts evaluation is the method of giving that means to records. After the researchers get the information from the pre-take a look at and put up-test, the records may be analyzed and processed. The data evaluation method used statistical analysis, particularly descriptive evaluation. The records will be calculated using the SPSS program.

#### **1. Normality Data**

According to Niati and Annajmi (2020: 33), the normality test is aimed to see whether the data normality distribute or not.

Statistical Hypothesis:

$H_0$  = The experiment and manipulate classes' pre-test and post-test statistics are commonly allotted.

$H_a$  = The test and manage classes' pre-take a look at and publish-check data are typically disbursed.

This was used to determine the slope formula. If  $\text{sig} \geq 0,05$ , the data was the norm, and  $H_0$  was accepted. But, if  $\text{sig} \leq 0.05$ , the data were not standard and  $H_0$  was rejected.

#### **2. Homogeneity Data**

According to Niati and Annajmi (2020:39), the homogeneity test is used to look whether or not the two facts sets have a homogeneous variance.

Statistical Hypothesis:

$H_0$  = both variances are homogeneous

$H_a$  = both Variance is not homogeneous

If each samples had been popular, retain to the second check of homogeneity of Variance. If  $\text{sig} \geq 0.05$ , the data turned into homogeneous and  $H_0$  became typical. but, if  $\text{sig} \leq 0.05$ , the information isn't homogeneous, and  $H_0$  become rejected.

### 3. Hypothesis Test

to investigate the records, the researcher used T-test. It become used to study the substantial impact of the use of team improved practise method and with out the usage of group multiplied instruction within the publish-test. The researcher used an impartial sample T-take a look at to measure the facts. Provision  $\text{Sig} \geq 0.05 = H_0$  become widespread and  $H_a$  became rejected, and if  $\text{sig.} \leq 0.05 = H_a$  changed into well-known and  $H_0$  was rejected or  $t\text{-cost} > t\text{-table} = H_a$  became regularly occurring and  $H_0$  turned into rejected. however, if  $t\text{-value} < t\text{-table} = H_0$  turned into accepted and  $H_a$  become rejected.

A hypothesis test changed into performed to determine whether there has been significance in the usage of team multiplied training approach on college students' vocabulary mastery in teaching English at the seven grade of MTS Ar-Rahmah Petapahan.

$H_a$  = A crew accelerated education method considerably affects college students' vocabulary mastery in coaching English at the seventh grade of MTS Ar-Rahmah Petapahan.

H0 = there's no giant impact of crew increased preparation method on college students' vocabulary mastery in coaching English at the seven grade of MTS Ar-Rahmah Petapahan.

If the sample is usually distributed with homogeneous Variance, then use a t-test with the formula:

$$t_0 = \frac{x_1 - x_2}{S_D \sqrt{\frac{n_1 + n_2}{n_1 \cdot n_2}}}$$

With :

$$S_D = \frac{(n_1 - 1)S_1^2 + (n_2 - 1)S_2^2}{n_1 + n_2 - 2}$$

Explanation:

- $t_0$  = The value of t-rating
- $x_1$  = The imply score/common of college students' test class
- $x_2$  = the imply rating/average of college students manipulate magnificence
- $n_1$  = number of students in the experimental class
- $n_2$  = wide variety of students within the manipulate magnificence
- $s_1^2$  = Variance of experimental magnificence
- $s_2^2$  = Variance of control class