

# 7869

*by* User student 2 month

---

**Submission date:** 15-Apr-2023 04:30PM (UTC+1000)

**Submission ID:** 2065131411

**File name:** 7869-67008-2-ED\_2.docx (90.64K)

**Word count:** 3529

**Character count:** 19320

# AN ANALYSIS OF STUDENT LEARNING STYLE IN LEARNING ENGLISH IN SEKOLAH INDONESIA KUALA LUMPUR, MALAYSIA

## Abstract

Learning style is one way to find out a person's most comfortable way in the learning process being carried out. In the learning process takes place, students have their learning style preferences. Learning styles have four preference models, namely VARK; visual, aural, read/write, and kinesthetic. The VARK can help students' learning style preferences in maximizing their learning style. Thus, the gap in this research is the investigation of learning styles in the English as a Second Language (ESL) context. The purposes of this study were to find out; (1) the learning styles employed by students and (2) the dominant learning style employed by the students in Sekolah Indonesia Kuala Lumpur, Malaysia in learning English. This research used a descriptive quantitative research method that deals with the types of learning styles by VARK Neil Fleming. The total participants of the research were 28 students. The findings showed that (1) it was found that in the ESL context, students prefer to use two learning style preferences, namely; unimodal and bimodal, and (2) students predominantly used the kinesthetic learning style. The current findings implied that ESL teachers should provide English learning activities which is able to trigger students to engage directly in the process of teaching and learning in the classroom so that they can use their learning style maximally. Furthermore, the teaching process should emphasize on students—centered learning in order that students will be easier in reaching the objectives of Learning English in ESL context.

**Keywords:** Learning Style, Learning English, ESL, EFL, SIKL.

## INTRODUCTION

Learning style is one way to find out a person's most comfortable way in the learning process being carried out. Research on learning styles has been carried out by several researchers; first, Widharyanto & Binawan (2020) their research explains that of the five ethnic groups, it was found that they were dominant in aural, kinesthetic, and various learning styles in bimodal and trimodal forms. Second, Baihaqi et al., (2020) his research revealed that students' confidence in learning pronunciation can be achieved and increased through learning styles by practicing listening to songs, watching, and reading books in English. Third, Maryono & Lengkanawati (2022) the result of this research is the learning process from a distance can also be useful for teachers and students EFL to find out student learning styles during learning. Fourth, Suparman (2022) the result showed that cognitive learning styles are very influential in the process of teaching vocabulary, so cognitive learning styles influence students' reading comprehension contextually. From the explanation above, mostly they were investigating learning styles in the English as a Foreign Language (EFL) context. Thus, the gap in this research is the investigation of learning style in the English as a Second Language (ESL) context. This research was conducted in Sekolah Indonesia Kuala Lumpur (SIKL), Malaysia.

During the learning process, a person's learning style easily combines, organizes, and processes the obtained information (Albeta et al., 2021; Bire et al., 2014). Learning styles lead to the way that individuals prefer to assemble information and ways of thinking, remembering, or solving unique problems (Abante et al., 2014). Learning style is a strategy in which students prefer to interact, give statements and respond to the student learning environment (Ehrman et al., 2003; Khalid et al., 2017; Norliani, 2022; Pourhosein Gilakjani,

2011; Zhou, 2011). Meanwhile, students have their own learning style preferences in learning styles (Aisyah M.S, 2017).

Learning modality or commonly called learning style is a way of a person's brain system to create experiences and seek information. This explanation, gave rise to various theories and also research on the influence of learning styles, thus showing many things that affect students in education and learning in general (Cook, 2005; Stephenson, 2019). Before carrying out learning, learning modality is one of the characteristics that must be known (Farman et al., 2021).

Learning something is not only related to the learning process at the school but also other things, how far students believe in knowledge and learning (Nur Ghufroon & Suminta, 2020). According to (Federico, 2000) student learning objectives can be obtained easily when pedagogically provided facilities by the differences of each student, even though each student has a different learning pressure adapted to learning styles (Hendry et al., 2005). Each individual is different when learning and has their way of learning (Willingham et al., 2015).

Learning styles are categorized into six styles; learning style visual, auditory, kinesthetic, tactile, group, and personal (Ghaedi & Jam, 2014; Maryono & Lengkanawati, 2022; Sabeh et al., 2011; Şener & Çokçalışkan, 2018). Additionally, students who use visuals prefer learning with presentations using graphs, etc. Students who use auditory by using listening. Students with reading/writing are more directed to reading and writing activities. Students who use kinesthetics in the learning process are very interested in moving, etc. While students who use tactile activities do what they do directly. In addition, students who use groups are students who like to socialize with the environment. Moreover, students who use study privately are more comfortable studying alone (Dunn et al., 2002; Maryani et al., 2017; Renou, 2005; Stephenson, 2019).

In another hand, (N. D. Fleming, 1995) categorized learning style modes into VARK, namely; visual, auditory, read/write, and kinesthetic. VAK is visual, auditory, and kinesthetic which are new models in the development of existing learning styles (Bakri et al., 2019; S. Gholami & Bagheri, 2013; Sreenidhi & Tay Chinyi, 2017; Willis, 2017). Fleming distinguishes (visual) from modality (read/write) because the two models have different styles (N. Fleming et al., 2006). Since then learning styles have had four models, namely VARK. Then from this, Fleming's learning style has four preference models VARK (Balasubramaniam & K, 2016; N. D. Fleming & C. Bonwell, 2019; Payaprom & Payaprom, 2020; Wehrwein et al., 2007; Widharyanto & Binawan, 2020). Choudhary et al., (2011) states that VARK enters or seeks information is a category of learning process with the priority nervous system.

Meanwhile, effective learning is when students like learning styles according to their interests, one of which is a process approach that includes tendencies in student learning styles in learning (Wehrwein et al., 2007). According to Hawk & Shah (2007) using one or more learning styles with instruments can assist students in compiling student learning activities. By analyzing the learning styles of students, educators can adjust the learning styles of the students being taught.

In addition, student involvement in learning a lesson is very effective so it must focus on developing student learning that involves educational institutions (Marcy, 2001). In addition, students can change their learning habits by following their willingness to learn so that they can help improve student academic achievement (Sinha et al., 2013; Urval et al.,

2014). Faisal (2019) states individual characteristics and learning style preferences greatly influence students' language achievement.

Therefore, the researchers are interested and curious in doing this research because the investigation of learning style in the ESL context is limited to finding out the facts about the learning style and to knowing the dominant students' learning style in *Sekolah Indonesia Kuala Lumpur*, Malaysia because students have not known yet the learning style they used. There was a lack of investigation into the learning styles of ESL students so that students did not know their learning styles (Mulalic et al., 2015). This article focuses on answering the following research questions; First, what is the learning style employed by the ESL students in *Sekolah Indonesia Kuala Lumpur*, Malaysia? Second, what is the dominant learning style employed by the ESL students in *Sekolah Indonesia Kuala Lumpur*, Malaysia?

## **METHOD**

The research was conducted using a descriptive quantitative approach. An approach taken to test objective theories by examining the relationships between variables is quantitative research (Creswell & Creswell, 2018). The purpose of this descriptive research is to describe a problem under study. The facts presented in the descriptive research are also presented as they are. Descriptive research aims to describe variables related to the problems and units to be studied (Mulyadi, 2011). Descriptive quantitative is research conducted to analyze data by describing the data obtained properly. This study uses descriptive because it is not to test the hypothesis but to describe the facts that occur in place, especially on students' learning styles in learning English. Therefore, the researcher took a sample of ESL students in *Sekolah Indonesia Kuala Lumpur*, Malaysia.

### **Participants**

There were 28 students involved as participants in this research. The participants in this study were ESL students in *Sekolah Indonesia Kuala Lumpur*, Malaysia.

### **Instrument**

In this study, the instrument used was a questionnaire consisting of 20 questions. The instrument provided is an instrument adopted from (Jumrah, 2022) which deals with types of learning styles by VARK Neil Fleming. The questions given are in the form of questions to find out 4 types of student learning styles such as; visual, auditory, read/write, and kinesthetic. This instrument used the Likert scale, there are five answer choices, namely; "strongly agree", "agree", "neutral", "disagree", and "strongly disagree".

### **Data Collection Technique**

The data collection technique in this study was a questionnaire, the questionnaire was distributed via Google form and which was shared via Whatsapp. Then respondents are asked to fulfill the questionnaire freely and objectively to identify these preferences.

### **Data Analysis Technique**

The way of processing data to be used as information so that it makes it easier to understand the characteristics of the data and also find solutions to problems in research are data analysis techniques. Researchers used descriptive quantitative analysis to analyze the questionnaire that was given using data tabulations to summarize the data that was obtained. In addition, from the data obtained, the researcher determines the mean (M), median (Me), mode (Mo), and standard deviation (Std). Furthermore, the researcher categorizes each learning style into 3 categories, namely low, medium, and high based on the

mean and standard deviation. This researcher also determines the type of learning style and dominant ESL students in *Sekolah Indonesia Kuala Lumpur*, Malaysia.

## FINDING AND DISCUSSION

### FINDING

The findings of this learning style research are presented based on the two parts of the questions that have been formulated previously.

#### What is the learning style employed by the ESL students in *Sekolah Indonesia Kuala Lumpur*, Malaysia?

The research was conducted on Thursday, December 22<sup>th</sup> 2022. The research was conducted with 28 ESL students in *Sekolah Indonesia Kuala Lumpur*, Malaysia. The instrument was a questionnaire consisting of 20 statements in the form of a *Google form* application then shared by the *Whatsapp* application to the students' group. In the following table, you can see the results of the questionnaire obtained.

Table 1. Summary score of learning style questionnaire

Variable	Score	Frequency	Percentage
Visual learning style	478	28	68.29%
Auditory learning Style	492		70.28%
Read/write learning style	485		69.28%
Kinesthetic Learning style	510		72.85%

It can be seen that the kinesthetic learning style has the highest score with a percentage of 72.85%. Auditory with a percentage of 70.28%, read/write with a percentage of 69.28%, and visual with a percentage of 68.29%. The researcher compiled a frequency distribution table and found that the number of class intervals was 6, the data range was 33 (89 - 54), and the class length was rounded up to 6 (33:6). The summary of the frequency distribution will be drawn as follows:

Table 2. Distribution frequency of questionnaire score

Interval Score	Frequency	Percentage
54—59	4	14%
60—65	7	25%
66—71	5	18%
72—77	5	18%
78—83	4	14%
84—89	3	11%
<b>Total</b>	<b>28</b>	<b>100%</b>

The researcher calculated the mean, median, mode, and standard deviation by using *Ms. Excel* application. From the calculations, the researcher found that the value of the mean was 70.0, the value of median was 69.5 the value of mode was 65, and with the value of standard deviation was 9.73. The researcher also classifies the students' scores into types of learning styles. The following table showed the results of the classification that has been found.

Table 3. Classification of students learning style

Interval Score	Frequency	Percentage
Kinesthetic — Visual	2	7%
Kinesthetic	17	61%
Kinesthetic — Auditory	1	4%
Auditory	1	4%

Read/Write	4	14%
Visual — Read/Write	1	4%
Visual — Auditory	1	4%
Auditory — Read/Write	1	4%
<b>Total</b>	<b>28</b>	<b>100%</b>

The researcher concluded from the table above that students used one and two learning style preferences. Students who used one of the learning styles were kinesthetic, auditory, and read/write. There were 17 students with the highest percentage, namely 61% kinesthetic. Then there were 4 students reading/writing with a percentage of 14%. There was 1 auditory student with a percentage of 4%. The results showed that 22 out of 28 ESL students used one type of learning style.

Meanwhile, students used two learning style preferences namely kinesthetic-visual, kinesthetic-auditory, visual-read/write, visual-auditory, and auditory-read/write learning style. There were 2 students with a percentage of 7% kinesthetic-visual. There was 1 student with a percentage of 4% kinesthetic-auditory. There was 1 student with a percentage of 4% visual-read/write. There was 1 student with a percentage of 4% visual-auditory. There was 1 student with a percentage of 4% auditory-read/write. The total of students that used two types of learning styles was 6 students. From the results above, it can be seen that not all ESL students use only one learning style preference, but they also use two learning style preferences. The following was a summary of ESL students who used one learning style preference (uni-modal) or used two learning style preferences (bi-modal).

Table 4. Modal of students learning style

Modal	Frequency	Percentage
Uni-modal	22	79%
Bi-modal	6	21%
<b>Total</b>	<b>28</b>	<b>100%</b>

The result of the modal of students learning style in the pie chart is as follows:

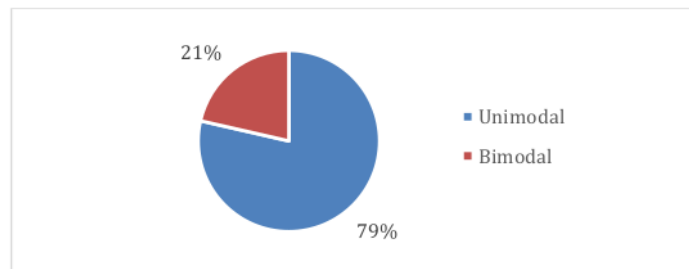


Figure 1. Pie chart the modal of students learning style.

In addition, researchers measure the level of learning tendencies of each of the 4 types of learning styles according to three criteria. Each aspect will be measured and explained as follows:

#### 1. Visual Learning Style

Table 5. Level tendency students' visual learning style

Level	Frequency	Percentage
Low	2	7.1%
Medium	15	53.6%
High	11	39.3%

The level tendency of students who used the visual learning style was medium.

## 2. Auditory Learning Style

Table 6. Level tendency students' auditory learning style

Level	Frequency	Percentage
Low	0	0.0%
Medium	19	67.9%
High	9	32.1%

The level tendency of students who used the auditory learning style was medium.

## 3. Read/Write Learning Style

Table 7. Level tendency students' read/write learning style

Level	Frequency	Percentage
Low	1	3.6%
Medium	16	57.1%
High	11	39.3%

The level tendency of students who used the read/write learning style was medium.

## 4. Kinesthetic Learning Style

Table 8. Level tendency students' kinesthetic learning style

Level	Frequency	Percentage
Low	1	3.6%
Medium	14	50.0%
High	13	46.4%

The level tendency of students who used the kinesthetic learning style was medium.

## 1 What is the dominant learning style employed by the students in Sekolah Indonesia Kuala Lumpur, Malaysia?

After categorizing the tendency level of learning style, the researcher continues to determine the dominant used by ESL students in learning styles in learning English at Sekolah Indonesia Kuala Lumpur, Malaysia. Researchers used the following formula in determining the dominant type of learning style of ESL students:

$$P = \frac{f}{n} \times 100\%$$

Table 9. The dominant type of students learning style

Interval Score	Frequency	Percentage
Kinesthetic — Visual	2	7%
Kinesthetic	17	61%
Kinesthetic — Auditory	1	4%
Auditory	1	4%
Read/Write	4	14%
Visual — Read/Write	1	4%
Visual — Auditory	1	4%
Auditory — Read/Write	1	4%
<b>Total</b>	<b>28</b>	<b>100%</b>

The result of the dominant type of learning style in the pie chart is as follows:

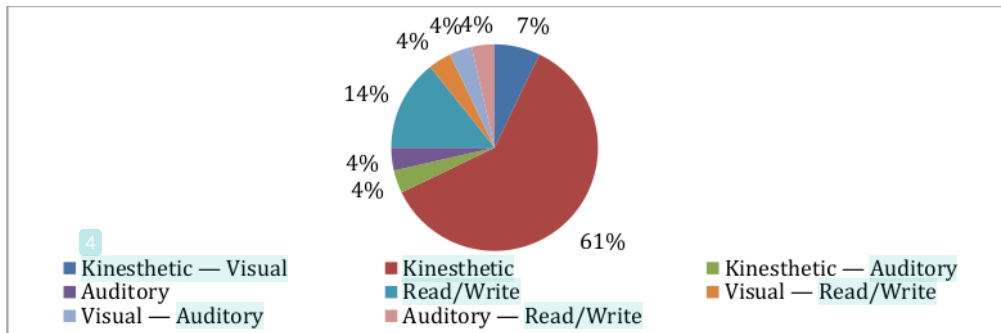


Figure 2. Pie chart the dominant type of learning style.

From the table and pie chart above, the dominant learning style used by ESL students in SIKL was the kinesthetic. There was a frequency of students in kinesthetic was 17 out of 28 students with a percentage was 61%.

## DISCUSSION

The results of this study are that ESL students at SIKL tend to have different learning styles which can be classified as; unimodal is an acronym for one learning style mode, bimodal two learning style modes, trimodal three learning style modes, and quadrimodal which has four learning styles (Chen et al., 2022; Kurniawan et al., 2019; Leasa et al., 2018; Renuga & Vijayalakshmi, 2013). In research on ESL students at SIKL, they have a preference for unimodal and bimodal learning styles.

Interestingly, the learning styles of ESL students in SIKL can be seen from several which fall into the unimodal category and variations in learning styles for students who fall into the bimodal category (Table 3). The most important majority of ESL students' learning styles were unimodal learning styles (79%) which were considered the most important learning style preferences. Then almost (21%) ESL students in SIKL prefer to used two modes of learning styles was bimodal (Table 4).

This research is in line with several (Shanti Manipuspika, 2020; Widharyanto & Binawan, 2020) found that the preference for learning styles in Indonesian EFL students' is the learning mode with one stylistic or unimodal in their students. This may be due to the geography, culture, and learning methods given to Indonesian students. So that Indonesian students' ESL and EFL learning styles tend to be the same learning style.

Based on table 9, the researcher concluded that ESL students in SIKL have the most preferred kinesthetic learning style with a percentage (61%). Leasa et al., (2017) also in their findings students in Indonesia found that the most prominent was kinesthetic. This may be because students are used to directing physical activity during the learning process. Active activities such as experiments, moving, playing roles or drama, and making handicrafts are activities that are liked by kinesthetics (Ariastuti & Wahyudin, 2022; R. Gholami, 2014; Kamal et al., 2021; Syofyan & Siwi, 2018).

The relationship between kinesthetic characteristics and ESL in the learning process is very close, allowing students to change language to make it easier to understand (Corrales, 2008). The kinesthetic characteristics of ESL are student involvement in learning English such as role-playing to help students understand advanced concepts (Shah et al., 2013). In the learning process many learning styles are combined to help improve the teaching and learning process in the classroom (Shuib & Azizan, 2015).



Based on the results of research on the learning styles of ESL students in *SIKL*, it was concluded that all types of learning styles have moderate criteria. In this learning style preference, it was found that students liked the unimodal and bimodal learning styles, but the most prominent was the unimodal preference. In addition, researchers found that ESL students in *SIKL*, dominantly used it in learning English, namely kinesthetic learning style. Kinesthetic learning styles are more effective in the learning process in class than visual, auditory, or read/write in the ESL context. Therefore, ESL students need to consider the preferred learning style to help understand the subject matter presented in class.

From this, it can be seen that students prefer to carry out the learning process by doing something meaningful in their learning process. Even though ESL is contextual because they are Indonesian children living in Malaysia, they have the same characteristics in learning style preferences. In addition, from these findings there was no significant difference between Indonesian ESL students in *SIKL* and other findings about Indonesian EFL students in determining learning style preferences when learning English.

## CONCLUSION

The conclusion from this study was an attempt to explore students' learning styles in learning English and the discussion is visual, auditory, read/write, and kinesthetic which can affect *SIKL* student achievement. Several findings can be noted based on the results of research that has been done. First, efforts to explore student learning styles using various methods. Second, exploring the learning styles of ESL students in learning English at *SIKL* was challenging. This study has several challenges: lack of student motivation, many students do not know their learning style indirectly, and still use the main language in learning English. These challenges hinder students from exploring learning styles to the fullest. Then there are several suggestions for several parties, namely: first, for students, it is suggested to better understand the characteristics and explore learning styles better so that they can help in improving learning achievement. Second, teachers can adapt the learning process to student learning styles so that the learning process can run smoothly. Third, parents can support students and pay more attention to students while studying at home and try to find out student learning styles while studying. The results of this study are useful for teachers in understanding the characteristics of student learning styles in class. Theoretically, the results of the research that has been carried out can be used as a reference in the problem of student learning styles in learning English and practically, can be used to evaluate student learning styles in learning English for ESL students. This study has limitations, namely limitations in the number of students as well as limited issues regarding student learning styles. Therefore, it is suggested for further research to cover the problems of other learning styles during English learning, especially the learning styles of ESL students because there is still little research on this matter.

## ORIGINALITY REPORT

8%

SIMILARITY INDEX

4%

INTERNET SOURCES

4%

PUBLICATIONS

2%

STUDENT PAPERS

## PRIMARY SOURCES

1	Indri Wulandari, Alamsyah Harahap, Gita Mutiara Hati. "THE ANALYSIS OF STUDENTS' LISTENING LEARNING STYLE (A STUDY OF THE 5TH SEMESTER STUDENTS AT ENGLISH EDUCATION STUDY PROGRAM OF UNIVERSITAS BENGKULU IN ACADEMIC YEAR 2018/2019)", <i>Journal of English Education and Teaching</i> , 2019 Publication	1%
2	<a href="http://digilibadmin.unismuh.ac.id">digilibadmin.unismuh.ac.id</a> Internet Source	1%
3	Submitted to Sunway Education Group Student Paper	1%
4	Submitted to Universiti Malaysia Pahang Student Paper	1%
5	Submitted to UM, Baltimore County Student Paper	<1%
6	Lakshmi Narayan Garg, Namit Kant Singh, Krishna Medha Kappagantu, Ankita Yadav. "Spreader Graft Placement: An Effective	<1%

# Procedure for Alleviation of Internal Nasal Valve Collapse", Journal of Oral and Maxillofacial Surgery, 2021

Publication

---

7	<a href="http://krishikosh.egranth.ac.in">krishikosh.egranth.ac.in</a> Internet Source	<1 %
8	<a href="http://uknowledge.uky.edu">uknowledge.uky.edu</a> Internet Source	<1 %
9	<a href="http://ukzn-dspace.ukzn.ac.za">ukzn-dspace.ukzn.ac.za</a> Internet Source	<1 %
10	<a href="http://www.msjonline.org">www.msjonline.org</a> Internet Source	<1 %
11	Yan Feng, Maneenate Worrachananun, Ivan Ka-Wai Lai. "Students' Preferences and Intention on Using Smartphone Education Applications", 2015 International Symposium on Educational Technology (ISET), 2015 Publication	<1 %
12	<a href="http://jurnal.unimed.ac.id">jurnal.unimed.ac.id</a> Internet Source	<1 %
13	<a href="http://www.coursehero.com">www.coursehero.com</a> Internet Source	<1 %
14	Ernawati Ernawati, Atmazaki Atmazaki. "The Effect of KineMaster Learning Videos and Learning Styles on the Results of Learning to Write Negotiation Texts for Senior High	<1 %

# School Students", AL-ISHLAH: Jurnal Pendidikan, 2022

Publication

15

Gilbert Magulod. "Learning styles, study habits and academic performance of Filipino University students in applied science courses: Implications for instruction", Journal of Technology and Science Education, 2019

Publication

<1 %

16

M Masjudin, A Muzaki, Z Abidin, I A P Ariyanti. "Analysis of student's statistical thinking ability in understanding the statistical data", Journal of Physics: Conference Series, 2020

Publication

<1 %

17

M Sakinah, B Avip P. "An analysis of students' mathematical literacy skills assessed from students' learning style", Journal of Physics: Conference Series, 2021

Publication

<1 %

18

[eprints.iain-surakarta.ac.id](http://eprints.iain-surakarta.ac.id)

Internet Source

<1 %

19

[journal.universitaspahlawan.ac.id](http://journal.universitaspahlawan.ac.id)

Internet Source

<1 %

20

"An Investigation into Iranian English Major Students' Learning Styles Preferences and Their Multiple Intelligences", International

<1 %

# Journal on Studies in English Language and Literature, 2016

Publication

---

21

Rachma Fitriati, Rahmat Romdana, Unifah Rosyidi. "The Practice of the School Principal's Leadership in Sekolah Indonesia Kuala Lumpur (SIKL): The Study of Leadership Styles and Techniques with Cognitive Mapping Approach", *Procedia - Social and Behavioral Sciences*, 2014

<1 %

Publication

---

Exclude quotes Off

Exclude matches Off

Exclude bibliography Off