

## **CHAPTER IV**

### **RESEARCH FINDING AND DISCUSSION**

In chapter IV, the writer describes the research finding and discussion of the study. The data obtained is used to answer the problem statement of the study. The data analysis is conducted based on the theory in chapter two. This chapter is divided into three sections; students' sensory learning style at the tenth grade of SMK Batik 1 Surakarta, the most dominant students' sensory learning style finding, and discussion.

#### **A. Research Finding**

##### **1. Types of Students' Sensory Learning style in Learning ESP at the Tenth Grade of SMK Batik 1 Surakarta.**

In this section, the writer presents research finding obtained from the analysis of the data. The first that the writer was distributing student's learning style questionnaire. The writer distributed learning style questionnaire to the students at the tenth grade of SMK Batik 1 Surakarta.

a. Auditory learning style

12 questions with 100 respondents are given to know their auditory learning style.

b. Visual learning style

12 questions with 100 respondents are given to know their visual learning style.

c. Kinaesthetic learning style

12 questions with 100 respondents are given to know their kinaesthetic learning style.

The writer divides the questionnaire into two parts. Part A is a closed questionnaire that contains 36 questions and part B is a opened questionnaire to see how the students usually study. Students choose an

answer by giving check mark the options that they prefer. One question only has one answer. The format of answer is as follows:

- a. Often = 4
- b. Sometimes = 1
- c. Rarely = 0

In this chapter, the writer also discusses the problem statements of the study, that students in SMK Batik 1 Surakarta have many sensory learning style. those are Auditory learning style, Visual Learning style, and Kinaesthetic Learning style. Many students at the tenth grade of SMK Batik 1 Surakarta also have a combination learning style such as; Auditory and visual learning style, Auditory and Kinaesthetic Learning style. From the analysis, the writer found that the most dominant students' sensory learning style is Auditory Learning style.

The research finding shows that every student has a different score and learning style. because of that, the writer describes the students' score and learning style individually.

#### 1) Shelva Dyah Berliani

From the result of the questionnaire she has auditory learning style. The score for auditory learning style in her questionnaire was 21 points. Her score for visual learning style from her questionnaire was 15 points, The last is her score for kinaesthetic learning style was 8 points. The highest score is auditory learning style. The lowest score is kinaesthetic learning style. Because of that reason, the writer concludes that her preferred learning style is Auditory learning style.

#### 2) Nur Widya Sekar Oktavia

From the result of the questionnaire she has auditory learning style. The score for auditory learning style in her questionnaire was 21 points. Her score for visual learning style was 18, and the score for kinaesthetic learning style was 9. The highest score is auditory

learning style. The lowest score is kinaesthetic learning style. The writer concludes that her preferred learning style is auditory learning style.

3) Kikiy Annisa Kurniawati

Her questionnaire result shows that she has auditory learning style. Her score for visual learning style from her questionnaire was 15 points. Her score for auditory learning style was 20 points. Her score for kinaesthetic learning style was 12 points. The lowest score is kinaesthetic learning style. The highest score is auditory learning style, so the writer concludes that she has auditory as the preferred learning style.

4) Desyana Rizky Dirgantarie

Her questionnaire result shows that she has a auditory learning style. Her score for auditory learning style was 21 points. Her score for kinaesthetic learning style was 10 points. Her score for visual learning style was 17 points. The highest score is auditory learning style and the lowest score is 10 points from kinaesthetic learning style. The writer concludes that she has a auditory learning style.

5) Yuli Sevani

From the result of the questionnaire she has auditory learning style. The score for auditory learning style in her questionnaire was 19 points. Her score for visual learning style was 17, and the score for kinaesthetic learning style was 14. The highest score is auditory learning style. The lowest score is kinaesthetic learning style. The writer concludes that her preferred learning style is auditory learning style.

## 6) Vica Fania

From the result of the questionnaire she has auditory learning style. The score for auditory learning style in her questionnaire was 18 points. Her score for visual learning style was 14, and the score for kinaesthetic learning style was 11. The highest score is auditory learning style. The lowest score is kinaesthetic learning style. The writer concludes that her preferred learning style is auditory learning style.

## 7) Selly Nur Annisa

From the result of the questionnaire she has auditory learning style. The score for auditory learning style in her questionnaire was 18 points. Her score for visual learning style was 14, and the score for kinaesthetic learning style was 10. The highest score is auditory learning style. The lowest score is kinaesthetic learning style. The writer concludes that her preferred learning style is auditory learning style.

## 8) Ike Aprian Nur Hidayah

From the result of the questionnaire she has auditory learning style. The score for auditory learning style in her questionnaire was 18 points. Her score for visual learning style was 12 points, and the score for kinaesthetic learning style was 12 points. The highest score is auditory learning style. The lowest score is kinaesthetic learning style. The writer concludes that her preferred learning style is auditory learning style.

## 9) Bachtiar Nur A.

From the result of the questionnaire he has auditory learning style. The score for auditory learning style in his test was 21 points. His score for visual learning style was 10 points, and the score for kinaesthetic learning style was 14 points. The highest score is

auditory learning style. The lowest score is kinaesthetic learning style. The writer concludes that his preferred learning style is auditory learning style.

10) Adhila Khalifa

From the result of the questionnaire she has auditory learning style. The score for auditory learning style in her test was 19 points. Her score for visual learning style was 16 points, and the score for kinaesthetic learning style was 11 points. The highest score is auditory learning style. The lowest score is kinaesthetic learning style. The writer concludes that her preferred learning style is auditory learning style.

11) Kristina Trisnawati

From the result of the questionnaire she has auditory learning style. The score for auditory learning style in her test was 18 points. Her score for visual learning style was 11 points, and the score for kinaesthetic learning style was 11 points. The highest score is auditory learning style. The lowest score is kinaesthetic learning style. The writer concludes that her preferred learning style is auditory learning style.

12) Mia Shara Cahya Ayu

The result of the questionnaire shows that the highest score is Auditory learning style. The lowest score is kinaesthetic learning style. Her score for auditory learning style was 18 points. Her score for kinaesthetic was 13 points. Her score for visual learning style is 15 points. Based on the result, the writer concludes that she has auditory learning style as a preferred learning style.

13) Bella Listiyawati

The result of the questionnaire shows that the highest score is Auditory learning style. The lowest score is kinaesthetic learning style. Her score for auditory learning style was 18 points. Her score for kinaesthetic was 10 points. Her score for visual learning style is 15 points. Based on the result, the writer concludes that she has auditory learning style as a preferred learning style.

14) Avita stevani

The result of the questionnaire shows that the highest score is visual learning style. The lowest score is kinaesthetic learning style. Her score for auditory learning style was 15 points. Her score for kinaesthetic was 7 points. Her score for visual learning style is 16 points. Based on the result, the writer concludes that she has visual learning style as a preferred learning style.

15) Sheriy Amadea A.

Her questionnaire result shows that she has visual learning style. Her score for visual learning style from her questionnaire was 17 points. Her score for auditory learning style was 12 points. Her score for kinaesthetic learning style was 7 points. The lowest score is kinaesthetic learning style. The highest score is visual learning style, so the writer concludes that she has visual as the preferred learning style.

16) Dewa Ramadhan N.

His questionnaire result shows that He has visual learning style. His score for visual learning style from her questionnaire was 16 points. His score for auditory learning style was 11 points. His score for kinaesthetic learning style was 9 points. The lowest score is kinaesthetic learning style. The highest score is visual learning style, so the writer concludes that he has visual as the preferred learning style.

## 17) Once Prasetya Ningrum

His questionnaire result shows that He has visual learning style. His score for visual learning style from her questionnaire was 17 points. His score for auditory learning style was 16 points. His score for kinaesthetic learning style was 10 points. The lowest score is kinaesthetic learning style. The highest score is visual learning style. The writer concludes that he has visual as the preferred learning style.

## 18) Agnes Ika Dwi Nanda

Her questionnaire result shows that she has visual learning style. Her score for visual learning style from her questionnaire was 17 points. Her score for auditory learning style was 13 points. Her score for kinaesthetic learning style was 15 points. The lowest score is auditory learning style. The highest score is visual learning style, so the writer concludes that she has visual as the preferred learning style.

## 19) Aulia Taqiya P

Her questionnaire result shows that she has visual learning style. Her score for visual learning style from her questionnaire was 17 points. Her score for auditory learning style was 10 points. Her score for kinaesthetic learning style was 14 points. The lowest score is auditory learning style. The highest score is visual learning style, so the writer concludes that she has visual as the preferred learning style.

## 20) Nur Fatimah

Her questionnaire result shows that she has visual learning style. Her score for visual learning style from her questionnaire was 18 points. Her score for auditory learning style was 16 points. Her

score for kinaesthetic learning style was 11 points. The lowest score is kinaesthetic learning style. The highest score is visual learning style, so the writer concludes that she has visual as the preferred learning style.

21) Vicky Dwi Prastiwi

The score of kinaesthetic learning style was 10. The score of auditory learning style was 17. The score of visual learning style was 18. The different score between auditory and visual is not much. The writer concludes that this student has visual and auditory learning style.

22) Annisa Nur Sholihah

From the result of the questionnaire, it can be seen that her score for kinaesthetic learning style was 10. Her score for auditory learning style was 16. The score for visual learning style was 19. The highest score is visual learning style. the lowest score is kinaesthetic. Because of the highest score is visual learning style, it can be concluded that this student has visual learning style.

23) Silfiah Hamdani

The result of the questionnaire shows that the score for kinaesthetic learning style was 11. The score for auditory learning style was 10. The score for visual learning style was 20. It can be seen that the highest score is visual learning style. it means that this student has visual learning style as the preferred learning style.

24) Eriza Arya Putri

From the result of the questionnaire, this student's score for kinaesthetic learning style was 17. The score for auditory learning style was 20. The score for visual learning style was 22. The highest score is visual learning style. The lowest score is kinaesthetic



learning style. It means that this student has visual learning style as the preferred learning style.

25) Harmini

The result of the questionnaire shows that this student has kinaesthetic learning style. This is because her score for kinaesthetic learning style is the highest score. The score for kinaesthetic learning style was 15. Her score for auditory learning style is the lowest score. The score for auditory learning style was 12. The score for visual learning style was 13. The writer concludes that this student has kinaesthetic learning style.

26) Iftiana Oktavia Salma

Her score for kinaesthetic learning style was 13. The score for auditory learning style was 10. The score for visual learning style was 5. The highest score is kinaesthetic learning style. The lowest score is visual learning style. Based on the result of the questionnaire, the writer concludes that this student has kinaesthetic learning style as her preferred learning style.

27) Triani Dewi Saraswati

Her result of the questionnaire shows that her score for kinaesthetic learning style was 13. Her score for auditory learning style was 12. It is same with an auditory learning style, the score for visual learning style was 12. Although the score difference of 1 point to another, the writer still concludes that this student has kinaesthetic learning style. It is because 1 of the correct answer has 4 points.

28) Dita Ayu Aprilia

Her score for kinaesthetic learning style was 12. Her score for auditory and visual learning style is same. Both of these learning style have 14 points. Because of the same score, the writer concludes

that this student has auditory visual learning style as her preferred learning style.

29) Ayu Wike Utami Putri

Her score for kinaesthetic learning style was 9. Her score for auditory and visual learning style is same. Both of these learning style have 14 points. Because of the same score, this student has auditory visual learning style as her preferred learning style.

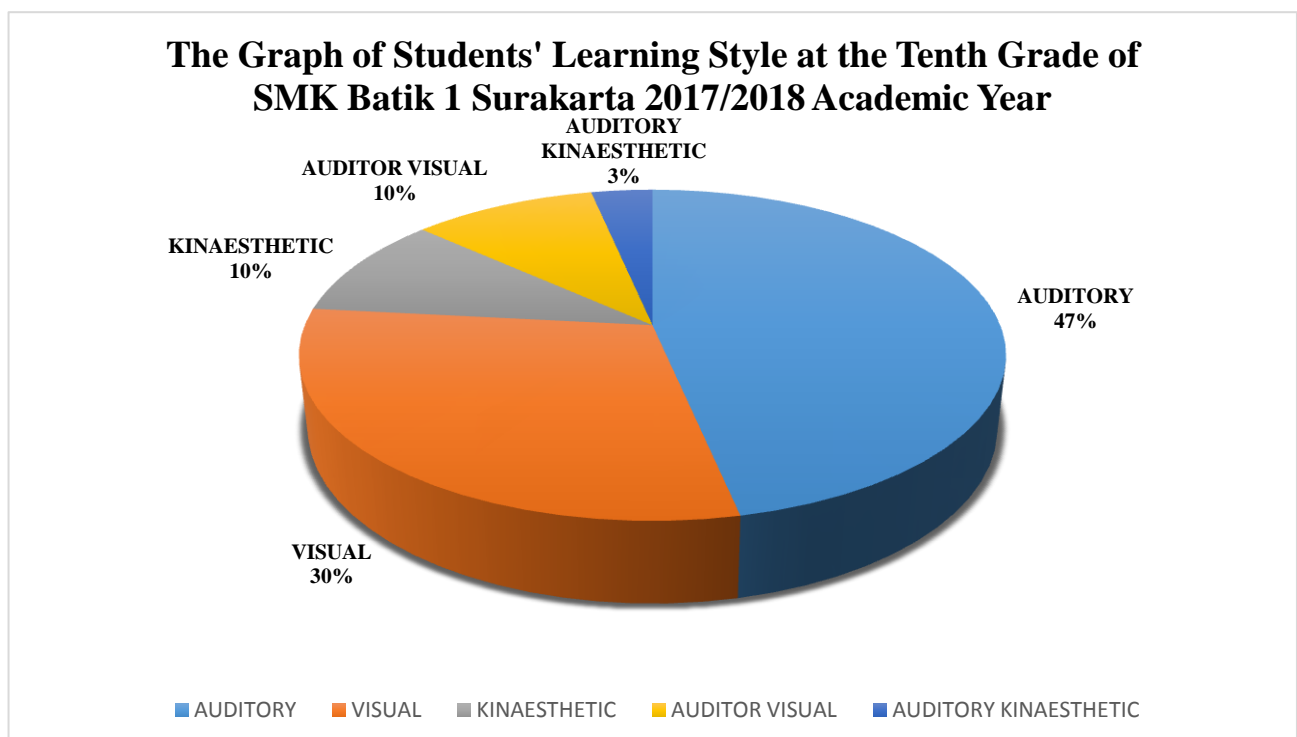
30) Hananda Tiara Shatria Nagarani

Her result of the questionnaire shows that the score for auditory and kinaesthetic learning style is same. Both of these learning style have 16 points. the score for visual learning style was 14. Because the score for auditory and kinaesthetic is same, so the writer concludes that this student has auditory kinaesthetic learning style.

The writer categorized students' learning style based on their score in answering the questionnaire. Students who have kinaesthetic learning style got highest score in questionnaire indicator part I. Students who have auditory learning style got highest score in questionnaire indicator part II. Students who have Visual learning style got highest score in questionnaire indicator part III. Students with Auditory learning style were 14 students. Those are Shelva, Nur Widya, Kiky, Desyana, Yuli, Vica, Selly, Ike, Bachtiar, Adhila, Kristina, Mia, Bella. Students with visual learning style were 9 students. Those are Avita, Sheriy, Dewa, Once, Agnes, Aulia, Nur Fatimah, Annisa, Silfiah, Eriza. Students with kinaesthetic learning style were 3 students. Those are Harmini, Iftiana, Triani. Students with auditory visual kinaesthetic were 3 students.

**2. The Most Dominant Types of Students' Sensory Learning Style at The Tenth Grade of SMK Batik 1 Surakarta.**

After the writer describes the students' score and learning style individually, the writer concludes all the students at the tenth grade of SMK Batik 1 Surakarta have a different learning style. Every student has their own preferred learning style. There are students who have a visual learning style. There are students who have visual learning style. There are students who have kinaesthetic learning style. Not only there are students with one learning style but also there are students with two learning styles. There are students with auditory visual learning style and there are students with Auditory kinaesthetic learning style. The data show that the percentages of the finding is displayed on this diagram:



Based on result above, the writer concludes that the type visual learners were 9 students (30%), auditory learners were 14 students (47%), kinesthetic learners were 3 students (10%), auditory visual learners were 3 students (10%), and auditory kinaesthetic learner was 1 student (3%). As a result, the Auditory learners are more dominant than visual learners, kinaesthetic learners. Auditory learners are more dominant than the

combination style between auditory and kinaesthetic learner at the tenth grade of SMK 1 Batik Surakarta.

Based on this research finding of the study, the tenth grade students of SMK Batik 1 Surakarta who have visual learning style prefer to learn English using concept map or a picture in the term of appearance. It is appropriate with the statement of DePorter and Hernacki (2011: 116) that one of characteristics of visual learner is concerned with appearance, both in the term of clothing and presentation. Visual learner prefers to read story by their self than being read by others. This is the same with the statement of DePoter and Hernacki (2011:116) The characteristic of visual learner is prefer to read by their self than read by other people. When visual learner learns English, visual learner is easier to remember what he or she sees than he or she hears. This statement is also explained by DePorter and Hernacki (2011:116) visual learner is easier to remember what he/she sees than he/she heard. Visual learner often makes a field note during the learning and teaching process. This is the same with the statement from Gilakjani &Ahmadi (2011: 469) that visual learner also takes descriptive notes over the material being presented.

Auditory learners prefer to read out loud and to listen to the sentence in English. The statement supported by the statement from Gilakjani & Ahmadi (2011: 469) that these individuals gain knowledge from reading out loud in the classroom and may not have a full understanding of information that is written. Students who have Auditory learning style prefer to listen the English music rather than a picture during the learning process. It is appropriate with the statement from DePoter and Hernacki (2011:118) that auditory learners prefer listen to the music rather than a picture. They are usually moving their lips while they are reading a story or a dialogue in English . The same characteristic is also conveyed by DePoter and Hernacki (2011:118) that auditory learner is usually moving their lips and utter what they read in the book.

Based on the research finding, kinaesthetic learner learns English through exercise and practices. Kinaesthetic learner will walk away while they are trying to memorize or remember English vocabulary. Kinaesthetic learner often uses their finger to point at while reading or finding a word in an English text. This is supported by the statement from DePoter and Hernacki (2011:118) that the characteristics of kinaesthetic learner are learning through practice. Kinaesthetic learner also memorize by walking and seeing. Kinaesthetic learner often uses the finger as a guide type of reading.