CHAPTER V
CONCLUSION AND SUGGESTION

In this chapter the researcher describes the conclusions, implication sand suggestions compiled based on all research activities regarding the influence of student visual, auditory, and kinesthetic learning styles on High OrderThinking Skill (HOTS) of cell structure and function topic in grade XI Science SMA 1 Lubuk Pakam academic year 2017/2018.

5.1. Conclusion

Based on the results and discussion of the research presented in the chapter previously, the conclusions that can be expressed in this chapter are as follows.

1. There is a positive and significant influence of the visual learning style towards High Order Thinking Skill (HOTS) of cell structure and function topic in grade XI Science SMA 1 Lubuk Pakam. The contribution for visual learning style towards the HOTS of cell structure and function topic is 6.8% with regression line equation is Y= 26.605+0.364X_1.
2. There is a positive and significant influence of the auditory learning style towards High Order Thinking Skill (HOTS) of cell structure and function topic in grade XI Science SMA 1 Lubuk Pakam. The contribution for visual learning style towards the HOTS of cell structure and function topic is 4.2% with regression line equation is Y= 29.896+0.292X_2.
3. There is a positive and significant influence of the kinesthetic learning style towards High Order Thinking Skill (HOTS) of cell structure and function topic in grade XI Science SMA 1 Lubuk Pakam. The contribution forkinesthetic learning styles towards the HOTS of cell structure and function topic is 2.9% with regression line equation is Y= 33.653+0.218X_3.
4. There is a positive and significant influence of learning styles as together (visual,auditory and kinesthetic) towards High Order Thinking Skill (HOTS) of cell structure and function topic in grade XI Science SMA 1 Lubuk Pakam. The contribution for kinesthetic learning styles towards the HOTS of cell

structure and function topic is 14% with regression line equation is Y= 3.554+8.113*X*.

5.2. Research Implications

Research results show that there is a positive influence and significantly both of visual, auditory and kinesthetic learning styles with High Order Thinking Skill (HOTS) of cell structure and function topic in grade XI Science SMA 1 Lubuk Pakam and contains the implication that to improve the HOTS in this topic can be done by inviting students to recognize and understand from their learning style and also optimizing the learning style until the maximum condition. Besides, to improve HOTS of cell structure and function topic is also carried out by striving to use the media learning and teaching methods that can accommodate each student learning style. From the results of this research, it can be seen that the visual learning stylehave the great contribution among other learning styles. Therefore the teacher must teach using learning methods that caneasily understood by students who have a visual learning style like by using visual displays, such as diagrams, writings,picture textbooks, slides and videos. But there any times, the teacher also explained using learning methods that are easily understood by students who have auditory and kinesthetic learning styles suchaslectures, discussions, practices.

5.3. Research Suggestion

Based on the conclusions and implications described in this research, researcher want to provide recommendations or suggestions that can expressed for some parties who need this research as follows:

1. For student

   During the teaching and learning process in class, students are required to alwaysconcentration in taking lessons by teacher and not being affected by condition from outside of the classroom. Each students need to recognize the learning style andoptimize their learning styles, so that they are able to find methods learning that appropriate for students. Students should realize that learning well especially in the 2013 of curriculum learning which requires students to compete globally is the responsibility of the student while the

teacher or other external factors only as facilitators who help students get a good learning achievement.

2. For teachers

   Each teacher expected to invite his students to recognize and understand the learning styles andteach of students to empower the learning styleas much as possible. The teacher must adjust his teaching style according to the student'slearning style. Teachers are required use a varietylearning methods, so that able to coordinate each students learning style. Besides, the teacher's understanding of student learning style is expected to make the teacher for give freedom with students to absorb information or understand a something lessons with their ways according from their learning style.

3. For school

   In order for the students ability of Higher Order Thinking Skill (HOTS) is increase. The school is expected can facilitate students to know thecharacteristics of learning andthe learning style of the student. It is also important for school to provide a effective learning tips according to the students learning style through counseling guidance or training.

4. For further researcher.

   This study provides information that each factor from a visual learning style, auditory learning style and kinesthetic learning styles influence on Higher Order Thinking Skill (HOTS) of cell structure and function topic. The results of this study also shows that HOTS on this topic is still influenced by other variables. So, expected for other researchers to find out the influence factors besides was examined in this study.

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