

CHAPTER V

CONCLUSIONS AND RECOMMENDATIONS

A. Conclusion

Research of Learning Style Towards Students' Cognitive Achievement and Creativity on Optic Instrument Concept has been conducted systematically, based on the research result it is acquired some conclusions as follows:

1. Auditory learners are prevailed with 36.36 % , followed by Visual learners 27.27 % , were read/write and kinesthetic learners are 18.18%. not all learners understand about their preference learning style it is proof by no aural learners that is choose a project assignment which are design according to their learning style.
2. The learning style is an factor that can not be neglected in teaching learning process, it is noted based on the result of this study that learning style has a important role towards cognitive achievement. It is proof the alternative hypothesized (retain H_1) that noted the different cognitive achievement within group of learning style through in posttest after the implementation has been conducted, with significancy level 0,003 using ANNOVA analysis. The group who choose a appropriate project with their learning style show higher improvement rather than group who are not. Visual and kinesthetics learners almost reached highest score in each cognitive test item (C1-C4), it happened because undirectly they have more advantages in learning process and project itself.
3. The learning style is take a important role and can not be neglected in the creativity process. It is proof by the student who choosed a project product baed on their preference learning style has higher creativity on product result rather than students who

are not choose project which are appropriate with their learning style.

B. Recommendation

Based on the findings of the research that has been conducted and concluded, there are several recommendations that necessary to be conveyed by the researchers, some of them are:

1. It is necessary to conduct the learning style questionnaire/ inventory in the begining of clas to know better understanding about student preffernce learning style.
2. Learning style is an aspect that can not be neglected in the diversity of student during teaching and learning process. Teacher should know that every student is unique and also student themselfe shoul know that they are difference. Through learning style, not only teacher to know how to teach the student but also for student themselfe to know how they learn better.
3. To develeop creativity based onthe learning style, teacher take an important role as a guidance to arrange nad guide which is potential for them. So, the development of creativity can be maximize.
4. For the next researchers who has interest in learning style, it is better to have a control and experiment class. Thus, the role of learning style itself can be seen clearly and the result are not bias between the high achiever and low achiever.