

## A. Background

Education is a means to develop the potential of someone either directly or indirectly it useful for the social life. Hence, education cannot be separated in human life. Humans need education to live his lives (Rahayu, 2015). Based on the Law of the Republic Indonesia on National Education System No. 20 of 2003, states that:

Education is conscious effort and planning to realize the atmosphere learning and learning process to students for develop their potential to have spiritual religious, self-control, personality, intelligence, attitude, and their skill of themselves, in the society, the nation and the country.

Mathematics is one of the basic science that holds importance to all science. As stated by Yuhatriati (2012: 81) that mathematics is one of the basic science that plays an important role both in the development of science and technology and in the form of human personality. In mathematics we are taught to think logically in order to develop or improve our new knowledge. Therefore, a person is said to learn mathematics if the person is an event that occurs an activity that can lead to changes in behavior associated with mathematics (Rahayu, 2015). Learning is a process of continuous change of behavior between the various elements and lasts a lifetime driven by various aspects such as motivation, emotional, attitude and others, and ultimately results in a behavior that is replaced with a positive one, then a sense of joy and relief can accelerate learning (Suardi, 2015: 18-19).

Behavior change through action is the principle of learning (Widodo, 2013). Meanwhile, the behavior through the act itself described in the activity is called activity. The presence or absence of learning is reflected in the presence or absence of activity (Widodo, 2013). Activity is an activity performed in life both consciously and unconsciously. As

stated by Kenan (2014: 3) that learning activity is an activity that is aware of the goal, namely the occurrence of changes in the individual completely. In mathematics learning, there are many factors that influence the understanding of students mathematical concepts. Students who have sincerity in learning then in learning activities also will reflect seriousness it in learning. Therefore, it can be said that learning activities is one important factor also in improving student achievement itself.

Based on the above explanation, the researcher is interested to conduct research on "Learning activity of student of high achievement in mathematics learning (study case of student of high achievement in SMP Islam Athirah Makassar)".

## **B. Research Question**

Based on the explanation in the background above, the researcher formulates a research questions as follows: "How about learning activities of student of high achievement in learning mathematics?"

## **C. Research Purpose**

The objective of the research to find out the learning activities of student of high achievement in learning mathematics in SMP Islam Athirah Makassar.

## **D. Benefit of Research**

Benefits obtained in this research are as follows:

1. For students, can know learning activities of student of high achievers, and provide knowledge for them to more easily in shaping learning activities.
2. For teachers, can provide knowledge and information about learning activities of student of high achievement of SMP Islam Athirah Makassar on learning mathematics.
3. For students, can give examples of qualitative research about learning activities of student of high achievement and can be used as sources in relevant research.

## **E. Term Limits**

To avoid misunderstanding in understanding and providing interpretation of the above title, the authors provide affirmations and limitations of issues to be studied as follows:

## 1. Learning Activities

Learning activities are all activities undertaken by students of high achievement either physically or spiritually in learning mathematics at school and outside school. The learning activities in the schools referred in this study are activities undertaken by students of high achievement at school that lead to the learning process of mathematics and can be done during their time in the classroom or outside the class such as paying attention, asking questions, answering teacher questions, asking opinions, etc. As for Learning activities outside the school in the intention in this study is a mathematics learning activities performed by student of high achievement during outside the school such as following the guidance of learning, repeating the material learned in school etc.

## 2. Student of High Achievement

Students of high achievement in this research are students who always follow the mathematics olympiad and have the highest mathematics report in school.

