

technology, to facilitate learning and build knowledge through meaningful action and interaction." Thus online learning is expected to facilitate students in the learning process, especially in the mid of this covid-19 pandemic.

In online learning has some advantages, they are include 1) the use of various media. Learning material can be accessed from various media, for example from internet sites, material can be : text, audio, graphics, animation can be downloaded so that is more interesting for students. 2) get the latest information. With online learning, teachers and students can get the latest knowledge and information from the internet. 3) unlimited time and space. Students can determine the time that is suitable for learning.

However, online learning has some disadvantages , they are include 1) the lack of interaction between teacher and students or between students so that make it slow down understanding in the teaching and learning process. 2) The tendency to ignore the academic aspects or social aspects. 3) Not all places have internet facilities.

In the face of the covid-19 pandemic, the field of Education is busy with a variety of policies that must be implemented. The solution implemented for now is an online learning system. However, over time, many problems have appear from this online learning system because there are still some educational institutions that are not ready yet to conduct online learning.

According to the most of students who participate in home learning programs, in its adjustment, this online learning is confusing, because students are not ready yet. Some students report that home learning programs are even more stressful than ordinary classes. Some common reasons for this, are in line with the statement that normal classes have difficulties but, if they are together with friends makes them more manageable and can reduce stress.

Many student who participate in online learning programs also said that online class workload are greater than regular classes. Although the home learning program is very useful and a good alternative for schools during the covid-19 pandemic, students still have to get used to it, because many of them are inexperienced.

Minister of Education and Culture, Nadiem Anwar Makarim said that in the current situation not all online learning will be optimal. Not all regions have smartphone access or a good internet connection. So this is a challenging thing. But he still making sure the school can organize online learning. The public can find various online learning applications that can be used for learning at home. (Wahyu, 2020)

As stated by Balogun & Knapp (1996) that new technology is better than presentation through textbooks. Moreover, they also said that the new technology was more effective than presentation through learning in the class. Technology sometimes can be considered to replace the position of teacher in carrying out learning in the classroom. This is not all true.

In online learning of mathematics subjects are found some difficulties experienced by students and teachers. We know that mathematics is one of the subjects that is not easily taught and not easily understood by students in general. In face-to-face learning, there are still many students who have difficulty to understanding teacher explanations. likewise the teacher still has difficulty in applying appropriate learning methods to students.