## **ABSTRACT**

There are still many educational institutions in Manggarai regency of East Nusa Tenggara (NTT) that still use the learning process is relatively conventional, in other words, the learning process can only be with the meeting between teachers and students in kelas. Seperti occurring at the school SMP Negeri 1 Langke Rembong, if a meeting between teachers and students do not occur or the teacher concerned is not automatically set off the learning process mengajarakan obstructed and students experiencing difficulties and delays in getting the subject matter.

This situation clearly can impede the learning process in SMP Negeri 1 Langke Rembong East Nusa Tenggara that can lead to a lack of understanding students' learning materials. On the other hand also SMP Negeri 1 Langke Rembnong East Nusa Tenggara not have a means to manage and facilitate in getting material online. Need to be made an e-learning application that can be accessed anytime and anywhere that supports the educational process in SMP Negeri 1 Langke Rembong East Nusa Tenggara and facilitate in conveying knowledge to students.

To help the system is used as the programming language PHP, MySQL as database development tool, NotePad ++ as an editor and Ajax techniques used to produce websites that are more interactive than the usual mechanism.

The research produced a website as a medium of e-learning to help students and teachers in distance learning outside of school hours SMP Negeri 1 Langke Rembong East.

Keywords: ajax, e-learning, SMP Negeri 1 Langke Rembong