

## CHAPTER II

### LITERATURE REVIEW

This part presents about some related information topics of recent study. It is intended to provide some theoretical concepts which could support this investigation. The discussion is presented under the following sub headings: 1) Previous studies, 2). Theoretical review, 3). Learning Management System (LMS), 4). Edmodo, 5). Schoology, 6). Speaking, and 7). Speaking Assessment.

#### 2.1 Previous Studies

Edmodo and Schoology are online learning platform with specification on Learning Management System (LMS). Some studies have discussed the studies are pertinent with Edmodo. The present study conducted by Yagci (2015) found that 26 ELT studies at Ishik University, Iraq perceived that Edmodo are familiar and more user friendly as the learning media in education. However, this paper just motivates and encourage students' reading activities without controlling their speaking performance.

Balasubramanian et al (2014) conducted at University at Selangor District Malaysia the result of questionnaire from 285 learners' indications that Edmodo fosters students' creativity and active engagement in following the process of learning. So, this platform can be one of the beneficial media the teacher can employ in the classroom. Therefore, this platform can be one of the beneficial media the teacher can employ in the classroom to enhance students' learning responsibility.

A research related to the usage of Edmodo as online platform has many both advantages and disadvantages. This study to obtain students' perception on the effectiveness of the use Edmodo as supplementary tool for learning in education field at Prof. Edulag-Social Science of Centro Escolar University, Makati, Philippine. This research examined on the impact and advantages-disadvantages of using virtual learning environment in education (Enriquez, 2014). On the other hand, learning process should be able to enhance by students' understanding how to utilize technology in especially Edmodo as effective tools. So, learning process needs traditional or classroom learning to synchronize the perception not only face to face learning but also virtual learning by using online platforms.

Another study which is conducted by Sicat, S (2015) has discussed another online platform i.e. Schoology. This research has deliberated that utilization of Schoology enhance college students' proficiency in business writing via Schoology. The experiment was conducted to 135 students of Centro Escolar University (CEU), Makati, Philippine.

Research dealing with Eddy et al (2017) shows that the consequence of quasi experimental to 64 participants using instruments (interview and tests (pre-test and post-test)) to extent blended learning based on Schoology: effort of improvement learning outcome and practicum chance in vocational high school. Schoology can be the solution to overcome learning process that requires a lot of theories which combine face to face and online learning as one of interactive multimedia tools. Thus, Schoology also can be used to help student's practicum on vocational high school. The online platform has role to help practicum to

assess students' progress using instruments such as interview, tests generally. There is no correlation to assess speaking performance.

A research conducted by (Ardi, 2017) describing how Schoology m-learning platform facilitates the exercise of autonomy in EAP learning, The entity in this study is a class of learners using Schoology m-learning system in their EAP learning. The findings of the research mentioned that Schoology is ruined well to teach University of Indonesia. Schoology is social networking to interface leveraged on the affordance of interaction and collaboration, such as having discussions with peers, sharing thoughts, accessing additional learning materials, following links, viewing videos and pictures, posting essays, as well as giving comments and likes on others' posts. It can conclude that Schoology as a media that easy and enrich the learning media only on an application, activate autonomous learning based on students' learning styles and engagement in the EAP learning process.

Both Edmodo and Schoology have their specifications. Edmodo has some features that connected to Edmodo's user and expert all over the world, user friendly, familiar interface like Facebook, easy to access discuss, module, assignments, worksheet on course wall, and submit task limited time and also interactive quizzes. While Schoology application also prove educational field that has similar with Edmodo, but the one thing that make Schoology different with Edmodo. Schoology application more open to connect to another application that have chosen to support the learning activity, for instance Schoology connect to YouTube, Web, and so on.

Some researchers not yet correlated the Learning Management System (LMS) applications to access speaking. There is an expert have discussed the studies dealing with speaking performance, Boonkit (2010) said that speaking is macro skill that should trial to students to increase confidence, competence, fluency, and accuracy in speaking English. However, speaking should be trial by them there are applications or online platform that can be used in English speaking, for instance You Tube, Ted Talks, BBC media, and so on.

The previous research above gives some useful information to me in conducting the research about the online platforms between Edmodo and Schoology to improve students' speaking skill.

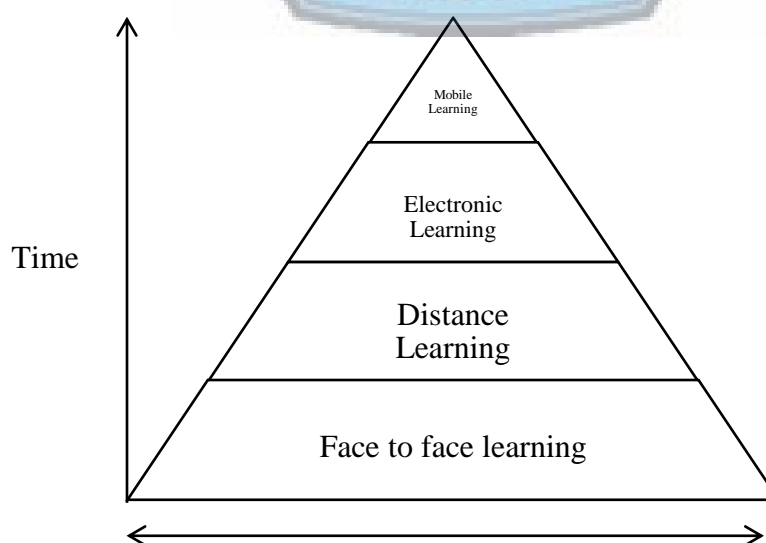
## **2.2 Theoretical Review**

### ***2.2.1 Learning Management System***

Learning Management System (LMS) is the main component for distance education to be carried out effectively and distantly (Cavus & Alhih, 2015). LMS has the similarities to Class Management System (CMS). There are various expressions for LMS in the literature such as Teaching Management Systems, Learning and Content Management Systems and Content Management Systems. In this study, LMS concept was used. LMS is an infrastructure which transfers and distributes teaching materials to the environment that education will be carried out, defines and evaluates individual learning and education targets, follows the process through these targets, collects and presents data to control learning process of the organization as a whole.

The importance of LMS and indicated that it is essential to predict how the technology will be used in the future, be aware of expansions in education in the network community process and realize that needs of today's learners and future's learners would be different for core skills training (Neghavati, 2017). It is predicted that the “e” will be removed in front of “e-learning” in the future and all learning-teaching processes would be integrated into electronic environment. In this context, LMS's would be also important for formal education (Soykan & Şimşek, 2017).

Learning Management System is important to support all school environment based to collaborate all learning activity in class and virtual or online learning. However, students use it should be controlled by teacher and parents to know students' progress and how long it goes well or not. It is because they use technology devices or gadget. There are the levels on differentiate of learning environment penetration which is showed on Hierarchical Learning Methodologies.



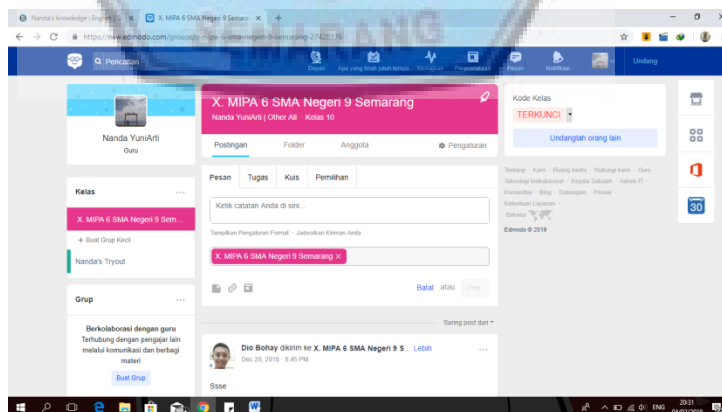
**Figure 2.1. Hierarchical Learning Methodologies**

*Source: (Al-Said, 2015)*

Mobile learning uses portable mobile devices, smartphones, tablet PCs, tablets, cellular phones, even the ultra-slim netbooks that rely on wireless network technology for the Internet connection and do not require presence in a specific place, while e-learning using desktop computers, and notebooks that rely wire fixed to connect the Internet and requires to be in a specific place (Laouris, 2009)

In this study, I use Edmodo and Schoology which are in LMS included on both e-learning and mobile learning like pyramid diagram above. Edmodo and Schoology can be accessed by using PC (e-learning) and mobile phone (m-learning), in PC we just access visit the website [www.edmodo.com](http://www.edmodo.com) for Edmodo and [www.schoology.com](http://www.schoology.com) for Schoology. Right now, Edmodo and Schoology are available on play store. It is effortless to bring PC or notebooks, students and teacher is easier to use and downloaded on their smartphones.

### 2.2.2 Edmodo



**Figure 2.2. Edmodo Course Display**

*Source: Class' Edmodo Course*

Edmodo is a simple online platform tool using to present the lesson contents, it is common to all operation systems of smartphones; it provides useful tools for students and teachers to interact online outside class anywhere, anytime Hourdequin (2014) mentioned Edmodo is a free and secure learning platform designed by Jeff O' Hara and Nick Borg in 2008 for teachers, students, parents, schools, and districts, and is available at [www.edmodo.com](http://www.edmodo.com) ((Chada, 2013). This website looks similar to Facebook, but it is much more private and safe because it allows teachers to create and manage accounts and only for their students, who receive a group code and register in the group, can access and join the group; no one else can participate or spy on the group (Jarc, 2010).

The site provides a simple way for teachers and students in a virtual class to connect and collaborate. Borg and O'Hara believed that a social networking geared towards the needs of students could have a profound impact on how students collaborate and learn in their world, rather than the school setting their teachers grew up in (Bruce K. Gushiken, 2013). Teachers have noted that Edmodo even strengthened the relationships between students, and led to a stronger classroom community (Mills, 2011).

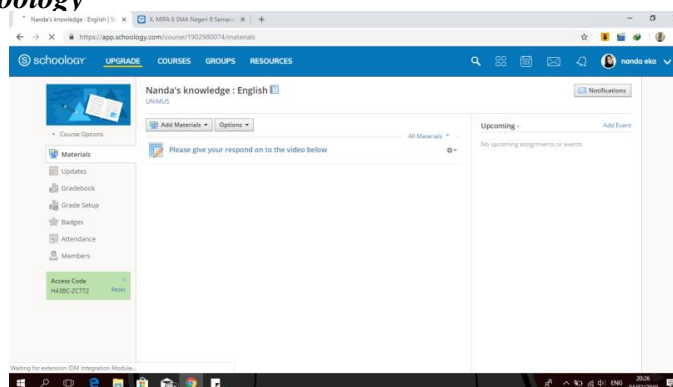
Some researchers have been using Edmodo as research object on their research such as, (Al-said, 2015; Al-Said, 2015; Balasubramanian, Jaykumar, & Fukey, 2014; G et al., 2017; Gómez, Magreñán, & Orcos, 2015; Salubsri Charoenwet & Ami Christensen, 2016; Wichadee, 2017; Yunkul & Cankaya, 2017). They use Edmodo in every field in teaching and developing business

field. It is useful for all institution, particularly in teaching in classroom for all subjects.

Students can also share content, submit homework, assignments and quizzes, receive their teachers feedback, notes and alerts as well as voting on polls (Jarc,2010). Hence, Edmodo can be seen as Learning Management System which can facilitate teachers to set up and manage their online classes easily (Witherspoon, 2011). Edmodo was recognized by the American Association of School Librarians in 2011 as one of the top 25 website

Sari et al (2018) mentioned that e-learning system depends on wireless information communication technology and based on mobile devices in teaching, learning, training, and management homework of learners, it allows them to access educational materials at anytime, anywhere, outside the teaching hall, it is not only an extension for distance learning, but is also a part of the e-learning and the future. So, we need good signal or internet connections to operate it well. Online learning management system should valid or get the perception from students and get out the effectiveness of using Edmodo as online platform based school environment based application.

### 2.2.3 Schoology



**Figure 2.3 Schoology Course Display**

Source : Class' Schoology Course Display



The most popular learning management systems besides Edmodo usually used nowadays in the educational system is Schoology. There are some studies related to Schoology as object of the study such as (Cakir, 2016; Irawan et al., 2017; Sicat, 2015). The researcher use it for developing teaching and another field.

Schoology is a collaboration of learning tool, is in a web based K-12. K-12 is learning environment that will give students, parents, and teachers 24/7 access to class materials and information via the internet. The terms indicates countries that integrating learning by using technology as curriculum such as, United States and another rapid countries. Schoology is free and allows for teacher to teacher, teacher to student, and even student to student online collaboration in a user friendly and safe environment. It offers the possibilities of adopting this collaboration and learning tool to customize learning for each student (Schoology, 2014).

The design of Schoology is similar to Facebook in which conversations take place, messages are sent, statuses are updated and information and other media are shared within a classroom network (Sicat, 2015). Schoology comprises of two main contexts interactive communication and academic information exchange. Teachers can create discussion questions, collaborative groups, or boards for assignments that allow for active interaction between students and their teachers. Teachers can participate in and monitor these students leading discussions. The second aspect that Schoology has capitalized on is the ability to deliver academic

information to students. Within Schoology, students are able to access their grades, attendance records, and teacher feedback on electronically-submitted assignments. Educational application that easy to access will give some information to increase active communication between teachers and students and assay students' responsibility in engaging their learning process (Manning, C., 2011).

Schoology like as well as is included in Learning Management System in educational field. Edmodo and Schoology are applications to help learning process effectively both for teacher and students. Both Edmodo and Schoology have same features on it, but Edmodo is more easy to use it from submitting and grading for students' works. Whereas Schoology has minimum features, it is limited another applications that can correlate it on schoology. Edmodo has domain for parents to control their children progress on learning. Schoology do not have the domain or features for parents controlling.

#### **2.2.4 Speaking**

Speaking is one of English skills that everyone should master on, because it will help user to communicate and interaction with each other. Speaking can facilitate someone to convey the meaning of something such as ideas, feelings, and information to create an interaction between speaker and receiver. Brown (2010) states that social contact in interactive language functions is a key in which it is not what you say that counts but how you say it, what you convey with body language, gestures, eye contact and other non-

verbal message. Teaching speaking is difficult enough to create class interactively. It is related to Rahmah and Adnan (2017) state that the purpose of teaching speaking is to improve the oral production of the students in expressing themselves, making interaction and conveying information through English. Teaching speaking is an interactive process of creating, producing, receiving and processing information that are often spontaneous, opened, and evolving. .

Teaching speaking should improve students' communicative skills because only in that way can students express themselves and learn how to follow the social and cultural rules appropriate in each communicative circumstance. However, speaking is not always unpredictable. It is depending on is the speaker and when it closely related to happens the environment and the purpose of speaking. In speaking there are aspects that should comprises the term of speaking it selves, such as; Pronunciations, grammar, fluency, vocabulary and comprehension.

Students don't have self-confidence to speak English because they still feel ashamed to express their ideas in front of their friends. Jones in (Contreras, 2010) states this phenomenon in language learning situation as a fear provoked when the learner is asked to speak in the second or the foreign language in public, with the risk of social embarrassment. In this case, the teacher should apply the interactive teaching techniques to engage their students to be active in the speaking class without problematic situations for them.

There are several reasons for teaching speaking is also clear from the quote of Harmer (2007) state about the reason to stimulate students speaking in classroom, such as chance to practice, give feedback, and progress. In addition, teaching speaking should be trained intensively and organized well. Teaching speaking does not easy work to improve students ability speaking.

Teaching speaking intensively can help students to improve their speaking product based on speaking elements that mentioned by Brown (2012). on the other hand, speaking also give impact to students to build their confidence speaking in front of people.

#### *2.2.4.1 Speaking Assessment*

Speaking assessment is important to know the speaking quality product. Speaking assessment can also be used as an instrument to recognize how far students are able to speaking English included on characteristics of speaking it selves. Integrating teaching speaking by using application Edmodo and Schoology with collaborating the application with another application on that main application, such as you tube. There are some steps to use those applications for assessing speaking.

There some indicators to indicate speaking assessment rubrics, such as Fluency, Pronunciation, Grammar, Vocabulary and so on. Brown (2012) had been classified indicators that related to speaking ability, as follows:

##### *2.2.4.1.1 Pronunciation*

Pronunciation indicates the production of sounds that we produce to make meaning. There are aspects or segments of speech for instance;

intonation, phrasing, stress, timing, rhythm, how the voice is proposed (voice quality) , gestures and expressions that are closely related to the way we speak a language (Affairs, 2012). In addition, according to Falahuddin & Fitriati (2019) pronunciation also got an impact of dialect itself affects ability in producing the sound of English pronunciation.

Pronunciation in English can be influenced by the dialect, and it will be give impact to the hearer in receiving the information to achieve the communication goal in speaking. Atli (2012) also mentioned about pronunciation has related to fluency in speaking.

#### 2.2.4.1.2 Grammar

Grammar is various systems to describe language structure in grammatical rules of language is the description ways in which words can change their forms and can be combined into sentences in language (Harmer, 2007: 12). Grammar is an essential indicator indicates in speaking. It means that grammar also has impact on speaking with the other person to get the main of information. Language which provides communication among people is a developed, alive system and the fundamental function of the language is to provide information. Since communicational adequacy is to know how to use the grammar of the language in social order to reach communicational goals, it is primary of communicational adequacies (Zhang, 2009) Grammar rules lead the individual use the language s/he can already speak in a more correct and conscious way. Besides the theories and applications that focus teaching grammar for ages in the field of language

education have gained importance (Huang, 2010). Grammar as a language system fundamentally that indicates the information can be received well by the hearer.

#### 2.2.4.1.3 Vocabulary

Vocabulary is a group of lexemes which comprises words, compound words, and idioms that are usually used in speaking with the other about something (Musryidto, 2014:12). In using vocabulary, speaker should know exactly the vocabulary's meaning and appropriate to the context of the main of information. Vocabulary also involves teaching semantically rich, less familiar high-frequency words. The instruction increasing fluency with high frequency word phrases materials. Mohammed (2018) mentioned that vocabulary can indicates someone information on their speaking. It means that vocabulary can represent the formal and non-formal situation in communication.

#### 2.2.4.1.4 Fluency

Fluency is a speaking ability to speak quickly, automatically, fluently and accurately. Fluency can not spread by the speed of speaking or talking. Speaking's sign of fluency includes the accelerate and pausing on speak, for instance "aaa...", "umms...". These signs indicate that speaker has slowed accelerated or the speaker searching for language item which needed continuing to convey the message. Most of the students responded that fluency is the one of elements which encountered much progress (Kurniawan, 2018). According to Mohammed & Salam (2019) fluency is

frequently used to describe oral language performance especially while referring to speakers of foreign and second languages, yet it is often unclearly defined.

#### *2.2.4.1.5 Comprehension*

Comprehension is essential thing that measure the information can deliver clearly. For oral communication, comprehension is a requires of subject to respond to speech. According to Anderson-hsieh & Koehler, n.d.(2017) comprehension is the most heavily accented speaker than for the other speakers, indicating that speaking rate is more critical for the comprehension of heavily accented speech. An essential part of language comprehension is determining how the meanings of words come together to make the meaning of the utterance. One critical component of this is identifying the thematic roles of the arguments in a clause (in short, understanding who did what to whom).