Islamic Senior High School Students’ Language Learning Strategies and their English Achievement

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Abstract
This study investigated the correlation between language learning strategies and English achievement, and explored the influence of language learning strategies on English achievement of eleventh grade students’ of MAN 3 Palembang. A total of 141 eleventh grade students participated in this study. The questionnaire and test were used to collect the data. For this purpose, the language learning strategies (SILL) questionnaire developed by Oxford (1989) measured language learning strategies and TOEFL junior (2015) was used to know students’ English achievement. There were three levels from high to low based on the results of SILL questionnaire and five categories English achievement test. Descriptive statistic, pearson product moment correlation and regression analysis were employed to analyze the data. Based on the data analysis, it was found that $r (.665) > r_{table} (.165)$ with significant level which was lower than 0.05. Thus, it indicated that there was significant correlation between language learning strategies and English achievement. It was implied that good language learners caused good in English achievement.

Keywords: language learning strategies, LLS, and English achievement

Introduction

Language is the system of human communication which consists of the structured, arrangement of sound (or their written representation) into larger units. It is also used for communication. Without a language, it is difficult for people to communicate with others (Abrar & Mukminin, 2016; Haryanto & Mukminin, 2012). Thus, language is very fundamental for human life. Sharifian (2009) defines that English as an International Language refers to a paradigm for thinking, research and practice (as cited in Saputra & Marzulina, 2015). According to Komaria, the 1989 law on the Indonesian educational system gives English a place as the first foreign language among other foreign languages used in Indonesia such as German, Arabic, or Japanese (as cited in Abrar, Mukminin, Habibi, Asyrafi, Makmur, & Marzulina, 2018). English is a global language which can be used for communication with native-speakers and non-native-speakers in the worldwide, especially in the education section where all university students need English for their studies in order to search information and obtain knowledge (Haryanto & Mukminin, 2012; Habibi, Sofwan, & Mukminin, 2016; Mukminin, Muazza, Hustarna, & Sari, 2015). Souriyavongsa, Rany, Abidin, and Mei (2013) found that the problems in learning English are: (1) teacher’s competence, (2) students lack of English foundation background, (3) students
lack of confidence to use English because they are afraid of mistakes and shy feeling, (4) curriculum is inappropriate for helping students to improve their English proficiency, (5) students are not well-motivated, encouraged and gained learning strategy, (6) students do not practice speaking English with English native speakers, and (7) class environment.

There are various ways to solve the problem in English achievement faced by the learners (Makmur, Mukminin, Ismiyanti, & Verawati, 2016; Mukminin, Masbiorotni, Noprival, Sutarno, Arif, & Maimunah, 2015; Mukminin, Muazza, Hustarna, & Sari, 2015). Ihsan and Diem (1997) explain that the internal factor, learning style and learning strategy need to be considered when analyzing why English seems difficult to learn. Furthermore, according to Ewuni (2012), Hamid (2011) and Ketabi (2012), language learning strategies are the factor which can give contribution to students’ English achievement as well as influence for the success and failure of the learners’ English achievement.

Oxford (1990) states that language learning strategies are important factors for students in order to improve active learning in classroom and self directed movement which is essential in developing communicative competence. Six basic types of language learning strategies (metacognitive, cognitive, memory, compensation, social and affective strategies) are classified by Oxford (1990). The students can apply them with different learning strategies in their learning to accomplish the objectives of the study. Those strategies applied by the student will dive from time to time based on the material, the subject, and their own conditions. Students may apply a number of language learning strategies. The strategies used will give different contributions to the students’ language learning achievement and their English achievement (Mukminin, Ali, & Ashari, 2015).

Moreover, Ketabi (2012) point out that gathering information to see how the learners learn and what strategies they use will help teachers learn more about the language learners learning process. Additionally, Ketabi believes that educators’ knowledge about the way students apply the strategies and the type of strategies they use in their context and situation will help them manage their resources and decision making process. Cohen, (2005) reveals two major reasons of the importance of language learning strategies in language learning and teaching. The first reason is metacognitive, cognitive, social, and affective strategies in language learning can be identified. The result of the first reason leads to the second reason which is the effective strategy will lead less successful language learners to be better leaners. Dhanapala, Kagamiyama, and Hiroshima (2007) explain, “second language learners in particular, who were well aware of their own learning process and of the strategies, assist them to achieve learning outcome” (p. 684). Therefore, language learning strategies give positive contributions to students’ English achievement. This study aimed at investigating the correlation between language learning strategies and English achievement of eleventh grade students of MAN 3 Palembang.

Review of Literature

The concept of language learning strategies (LLS)

Oxford (1990) states, “Learning strategies are steps taken by students to enhance their own learning” (p. 1). Research has repeatedly shown that the conscious, tailored use of such strategies are related to language achievement and English proficiency. Many researchers have suggested that the concisous use of language learning strategies make good language learners (Niman, Frohlich, & Todesco, 1975; Wenden, 1985). Chamot and Kupper (1989) state that succesfull language learners tend to select strategies that work well together with the requirement of the language task. Learning strategies can also enable student to become more independent, autonomous, lifelong learners (Allwright, 1990).
The classification of language learning strategies (LLS)

In this study I used Oxford classification. Oxford’s classification of language learning strategies give much attention to researchers because Oxford has devised an instrument for asssessing the frequency of use of language learning strategies. The six classification of language learning strategies proposed by Oxford (1990) which is included in two main classes are as follows:

(1) Memory-related strategies help learners’ link one L2 item or concept with another but do not necessarily involve deep understanding. Various memory-related strategies enable learners to learn and retrieve information in an orderly string (e.g., acronyms), while other technique creates learning and trelieval via sounds (e.g., rhyming), images (e.g., a mental picture of the word itself or the meaning of the word), a combination of sounds and images (e.g., the keyword method), body movement (e.g., total physical response), mechanical means (e.g., flashcard) or location (e.g., on a page or blackboard). (2) Cognitive strategies, enable the learners to manipulate the language material in direct ways, e.g., through reasoning, analyzing, note-taking, summarizing, synthesizing, outlining, reorganizing information to develop stronger schemas (knowledge structure), practicing naturalistic settings, and practicing structures and sound formally. (3) Compensation strategies, enable learners to make up their missing knowledge in the process of comprehending or producing the target language, such as guessing wisely in listening and reading, using gestures, switching to the native language, and using a synonym or description in order to get the meaning across in speaking or writing. (4) Metcognitive strategies, are steps that learners take to manage or regulate their learning, such as planning and arranging for learning tasks, setting goals and objectives, monitoring the learning process for errors, and evaluating progress, e.g., identifying one’s own learning style preferences and needs, planning for an L2 task, gathering and organizing materials, arranging a study space and schedule, monitoring mistakes, and evaluating task success and evaluating the success of any type of learning strategy. These are employed for managing the learning process overall. (5) Affective strategies, are strategies that help learners gain control over their emotions, attitudes, and motivation related to language learning. Such strategies include encouraging oneself through positive self-talk, talking with someone about your feelings learning the target language, etc. (6) Social strategies, help the learner work with others and understand the target culture as well as the language, e.g., asking questions to get verification, asking for clarification of a confusing point, asking for help in doing a language task, talking with a native-speaking conversation partner, and exploring cultural and social norms.

English achievement

Algarabel and Dasi (2001) state “achievement is the competence of a person in relation to a domain of knowledge” (p. 46). Achievement refers to the good result from learning. According to Brown (2007), “learning is acquiring or getting of knowledge of a subject or a skill by study, experience, or instruction” (p. 7). Brown (2007) explores the component of the definition of learning as follows; (1) learning is acquisition or “getting”, (2) learning is retention of information of skill, (3) retention implies storage systems, memory, and cognitive organization, (4) learning involves active, conscious focus on and acting upon events outside or inside the organism, (5) learning is relatively permanent but subject to forgetting, (6) learning involves some form of practice, perhaps reinforced practice and (7) learning is a change in behavior.

In addition, English achievement has strong relation with academic achievement. Bala (2011) states “academic achievement has always been the center of educational research and despite varied statements about the aims of education, the academic development of the child continue to be the primary and most important goal of education” (p. 8). Hence, academic is also important purpose in education.
Factors affecting the achievement

According to Fitriah (2009), there are factors that influence the achievement of student. Some factors that influence the student’s achievement are as follows:

**Intelligence**

Intelligence is regarded as a potential capacity. This potential capacity is probably a function of heredity, congenital development, and growth. The growth of intelligence toward the potential capacity may be impeded by environmental stresses and strains or may be accelerated by proper stimulation. It is important to keep in mind that intelligence is complex and that individuals have many kinds of abilities and strengths, not all of which are measured by traditional IQ tests. Many students whose academic performance has been weak have experienced considerable success in second or foreign language learning.

**Motivation**

Motivation is one of the most important variables in learning. A high degree of motivation engenders an active and aggressive attitude with regard to educational goals. Motivation is actually a cluster of factors that energize behavior and give it direction. Motivation involves the learner’s reasons for attempting to acquire the second language, but precisely what creates motivation is the crux of the matter.

**Physical conditions**

Physical condition is one of the important components of learning. Healthy five senses will support teaching learning process. Student’s health affects their sensory-motor functioning. Sometimes students with sight problem, hearing problem, malnutrition, and so on can influence student’s achievement. A student has headache, fever, stomachache, or some injury needs immediate consideration because it can disturb the instructional process.

**Environment condition**

Environment is part of instructional process because it can influence the students. A learner lives in a complex learning situation that may be divided into three parts: the social environment, the physical environment, and the cultural environment. Parts of the social world, the physical world, and the cultural world are selected to become stimuli to the learner. Educational environment is defined as the emotional, physical, and intellectual climate that is set up by the teacher and students to contribute to wholesome learning situation. It supports the instructional process. Educational milieu comprise of family (parent and sibling), school and community.

**Methodology**

**Research design**

Correlational research was used in this research because I wanted to find out the correlation between language learning strategies based on Strategy Inventory Language Learning (SILL) by Oxford (1990) and English achievement based on TOEFL Junior to test eleventh grade students in MAN 3 Palembang. According to Fraenkel, Wallen, and Hyun (2012), “a correlational studies investigate the possibility of relationship between two variables, although investigation of more than two variables or common” (p. 331).

The procedure was that, first, language learning strategies was identified by using questionnaire of SILL. Second, by using TOEFL Junior Test, the students’ English achievement was obtained. Then, the correlation between variables was analyzed through Statistical Package
for Social and Science (SPSS) based on the results of the questionnaire and test. Finally, I found the influence of language learning strategies to their English achievement.

**Research site, sampling, and participants**

Population is a group of individuals or item that share one or more characteristics from which data can be gathered and analyzed. Fraenkel and Wallen (1990) stated that population is the group of interest to the researcher, the group to whom the researcher would like to generalize the results of the study. (as cited in Saputra & Marzulina, 2015, p.5). According to Richards and Schmidt (2010), “population in statistics is any set of items, individuals, which share some common and observable characteristics and from which a sample can be taken” (p. 443). In addition, Creswell (2012) states “population is a group of individuals who have the same characteristic” (p. 142). The population of this study was eleventh grade students of MAN 3 Palembang in academic year 2016/2017. At this school, there were 9 classes of the eleventh grade. The total population of the study were 308 students.

The sample of this study was taken by using purposive sampling method. Purposive sampling (judgmental sampling) according to Johnson & Christensen (2012) is used in both qualitative and quantitative research. Moreover, they add that in purposive sampling, the researcher specifies the characteristics of a population of interest and then tries to locate individuals who have those characteristics” (Johnson and Christensen (2012). It is a nonrandom sampling technique in which researcher solicits persons with specific characteristics to participate in a research study. The students who had the same characteristics in terms of their knowledge background were selected as the sample of the study. They were from the science class and social classes. Therefore the total number of the sample was 141 students.

**Data collection**

In this research, I gave the questionnaire of SILL and TOEFL test to the students. The questionnaire was used to collect the data and information from the respondents. The questionnaire was from Oxford (1989) version 7.0 of the SILL, designed for EFL/ESL learners. The SILL used a five-point Likert-type scale ranging from 1 (Never or almost never true of me), 2 (generally or almost always true of me), 3 (somewhat true of me), 4 (generally true of me), 5 (always or almost always true of me). The time to do the questionnaire was 25 minutes. The questionnaire was calculated by using formula from Oxford. According to Oxford (1990) “the overall average indicate how frequently the students use language learning strategy in general” (p. 300). The average for each part of the SILL indicated which strategy that the students tended to use most frequently. The questionnaire consisted of 50 statements about strategies covering six categories, each was represented by a number of items. The questionnaire was translated into *Bahasa Indonesia* in order to avoid the possibility of ambiguity in understanding the questionnaire.

The test was taken from TOEFL Junior. TOEFL Junior Standard test is an objective and reliable measure of English communication skill. “The purpose of the TOEFL Junior test was to provide an objective measure of the degree to which students in the target population have attained proficiency in the academic and social English language skills representative of English-medium instructional environments” (Handbook for the TOEFL junior standard test, 2015, p. 2). The designers of the TOEFL Junior Standard test assert that the TOEFL Junior Standard test was an English-proficiency test that was not based on or limited to any specific curriculum. There were three section; listening, structure, and reading. It consists of 42 questions in each section. The time for administration the test was two hours. TOEFL Junior test score were determined by the number of questions a students had answered correctly. There was no penalty for wrong answers.
Data analysis

The questionnaire of language learning strategies consisted of 50 items and the score value was from 1 (Never or almost never true of me) to 5 (Always or almost always true of me). The minimum score of each statement was 1 and maximum score was 5. The lowest total score of each SILL scale was 50 (in which the students got 1 for each statement) and the highest total score was 250 (in which the students got 5 for each statement), while the lowest total score of all the five scales was perception is the same as the other scales of perception. The students’ total answers in each part of SILL was divided with the total statement in each part. The highest average score from all part of SILL indicated with strategy that the students tend to use most frequently. After that, all the SUMS from students answers in different part of SILL was divided by (+50). The result average score described students frequency in using language learning strategies (LLS) which were high, medium and low.

The students’ English achievement was analyzed to determine the score of the students from TOEFL Junior test. There was no penalty for wrong answer. TOEFL Junior Standard Test scores are determined by the number of questions a student has answered correctly. The correct answer was score 1 and the incorrect answer was scored 0. The highest score would be 100 and the lowest would be 0. After, the score of TOEFL Junior Test had already been obtained. The result would be classified based on the classification that applied at MAN 3 Palembang. The categories of the result of the test were grouped into very good, good, average poor, and very poor. The score interval based on the score that applied at MAN 3 Palembang.

Findings and Discussion

Students’ language learning strategies and english achievement

The total active students in the eleventh grade students of MAN 3 were 141 students. All of students participated in this study. The 50 items of SILL questionnaire were used to investigate the participants’ language learning strategies. The SILL was rated by likert type. The descriptive statistical analysis of SILL for the participants was presented in this study. The maximum score was 4.10 and the lowest score was 1.70. The mean of the language learning strategies scores for the participants was 2.9844 and the standard deviation was 0.50061. Next, it revealed that from the questionnaire, the six levels of language learning strategies were all perceived by the students with different numbers. The results showed that there was no student got score between 4.5-5.0 (0 %) in high language learning strategies category, 24 students got score between 3.5-4.4 (17.02%), 97 students got score between 2.5-3.4 (68.8 %) were in medium category, 20 students got score between 1.5-2.4 (14.18 %), and no student got score between 1.0-1.4 (0 %) in low category. In conclusion, it revealed that from the language learning strategies questionnaire, medium level was the most obtained by the students.

The descriptive statistical analysis of English achievement for the participants was presented. The maximum score was 95, and the lowest score was 30 and the standard deviation was 12.025. The mean of the English achievement scores for the participants was 72.29. Then, it revealed that from the English achievement test, the five categories of English achievement were all obtained by the students with different numbers. The results showed that there 42 students got score between 80-100 (29.79 %) were in very good category, 50 students got score between 70-79 (35.46 %) were in good category, 35 students got score between 60-69 (24.82 %) were in average category, 6 students got score between 50-59 (4.26 %) and 8 students got score between 0-49 (5.67 %) were in very poor category. In conclusion, it revealed that from English achievement test, good English achievement level was the most obtained by the students.
The results of normality test and linearity test

Normality test and linearity test were conducted prior to data analysis through SPSS 16th version for windows. The result of normality test indicated that the data from each variable were normal and appropriate for data analysis with coefficients 0.237 for attitude and 0.153 for English proficiency. For linearity test, deviation of linearity was obtained. If probability is more than 0.05, the two variables are linear. The results showed that, the deviation from linearity between attitude and English proficiency was 0.106. To sum up all the data were linear for each correlation and regression.

Correlation between students’ language learning strategies and English achievement

Based on Pearson Product Moment Correlation Coefficient, the result indicated that there was significant correlation between language learning strategies and English achievement. The correlation coefficient or the r-obtained (0.665) was higher than r-table (0.165). Then the level of probability (p) significance (sig.2-tailed) was 0.000. It means that p (0.000) was lower than 0.05. Thus, there was significant correlation between the language learning strategies and English achievement.

Table 1. Correlations test

<table>
<thead>
<tr>
<th>Language Learning Strategies</th>
<th>Pearson Correlation</th>
<th>Sig. (2-tailed)</th>
<th>N</th>
<th>English Achievement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language Learning Strategies</td>
<td>1</td>
<td>.665**</td>
<td>141</td>
<td></td>
</tr>
<tr>
<td>English Achievement</td>
<td>.665**</td>
<td>.000</td>
<td>141</td>
<td></td>
</tr>
</tbody>
</table>

**. Correlation is significant at the 0.01 level (2-tailed).

Influence of students’ language learning strategies and English achievement

The results indicated that students’ language learning strategies influenced their English achievement significantly with t-value (10.508) was higher than t-table (1.655) sig. value (.00) was lower than probability (.05). Therefore, there was a significant influence between language learning strategies toward their English achievement.

Table 2. The regression analysis of language learning strategies and English achievement

<table>
<thead>
<tr>
<th>Model</th>
<th>Unstandardized Coefficients</th>
<th>Standardized Coefficients</th>
<th>t</th>
<th>Sig.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>(Constant)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>24.594</td>
<td></td>
<td>5.344</td>
<td>.000</td>
</tr>
<tr>
<td>1</td>
<td>Language Learning Strategies</td>
<td></td>
<td>15.982</td>
<td>10.508</td>
</tr>
</tbody>
</table>

a. Dependent Variable: English Achievement
In order to know the percentage of language learning strategies influence on English achievement, R-Square was obtained. The result of the analysis revealed that the R Square ($R^2$) was .443. It means that language learning strategies gave significant effect in the level of 44.3% toward English achievement, and 55.7% was unexplained factors value. Table 3 is shown as the result of Model Summary follow.

Table 3. Model summary

<table>
<thead>
<tr>
<th>Model</th>
<th>R</th>
<th>R Square</th>
<th>Adjusted R Square</th>
<th>Std. Error of the Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>.665*</td>
<td>.443</td>
<td>.439</td>
<td>9.009</td>
</tr>
</tbody>
</table>

a. Predictors: (Constant), Language Learning Strategies

First, based on the result of pearson product moment correlations, it was found that there was a positive and a significant correlation between language learning strategies and English achievement of eleventh grade students of MAN 3 Palembang ($r$.665). This means that language learning strategies had relation to their performance in English achievement. The explanation to support this finding is that from the beginning of the elementary school, the learners had been learning English, for example, reading English newspaper or magazine, doing assignment, exploring to English conversation, and joining English course inside or outside the school. In addition, the learners employed learning strategies more frequently than elementary student in learning, and they had good ability in learning. Abhakorn (2008) states that the students’ awareness of existing strategies and the choices of strategies will help them to solve problems and complete tasks easily. Moreover, Ketabi (2012) points out that gathering information to see how the learners learn and what strategies they use will help teachers learn more about the language learners learning process. It might be because the eleventh grade students of MAN 3 Palembang were aware of their English achievement. They had ability to formulate thought, feeling and actions that resulted in gaining one’s goal utilizing some information related to learning strategies that an individual had acquired from motivation performances. Besides, they used to follow rules that existed in their school, especially in learning English. Furthermore, Ketabi (2012) believes that educators’ knowledge about the way students apply the strategies and the type of strategies they use in their context and situation will help them manage their resources and decision making process. Moreover, they were aware of their own learning process and strategies which assisted them to achieve learning outcome.

Nevertheless, another study by Park (1997) showed a linear relationship between LLSs and TOEFL score which provided evidence for the importance of quality of strategy use in L2 proficiency. The use of various strategies had been found out to be effective in improving students’ English achievement. Furthermore, Chang (2011) states that language learning strategies are steps that the learners take to their learning and achieve desired goals. According to Ewuni (2012), Hamid (2011) and Ketabi (2012), language learning strategies and the factor can give contribution to students English achievement as well as influence the success and failure of the learners’ English achievement.

In addition, this present study is in agreement with the previous studies. Ilma (2013) found that the strategies used by the students correlated with their English proficiency. For instance, they tried to find as many ways as they could use their English, notice their English mistakes and use that information to help them do better. The learners proved that more proficient learners seemed to employ a variety of strategies in many situation than to less proficient learners.
In short, the total contribution of language learning strategies and English achievement showed significant result. However the unexplained factors also had contribution on English achievement. The findings of the study may have some pedagogical implications for foreign language teachers, course designers, parents, next researchers, and students. Finally, this study was successful in investigating the correlation and the influence between language learning strategies and English achievement of the eleventh grade students at MAN 3 Palembang.

Conclusions

From the findings described above, some conclusions could be presented related to two variables which were language learning strategies and English achievement. First, language learning strategies had significant correlation to their English achievement with $r = -0.665$ was higher than $r_{table} = 0.165$, and the probability showed $0.00$ was lower than $0.05$. It showed in the level of strong correlation. The finding showed that the alternative hypothesis ($H_1$) was accepted and the null hypothesis ($H_0$) was rejected. Then, based on the findings, it showed that there was significant influence (44.3%) of language learning strategies on their English achievement. It means that language learning strategies gave dominant effect on their English achievement. It also means that the students who could apply different learning strategies and the type of the strategies in their context and situation would help them manage their resources and decision making process. The strategies used gave different contributions to the students’ language learning achievement and their English achievement.

References


