The Impact of Strategic Notetaking on EFL learners’ Academic Performance in Jordan

Dr. Ibrahim F. F. Almaagbh

1Department of English Language, Literature and Translation, Zarqa University, Zarqa, Jordan

Correspondence: Dr. Ibrahim F. F. Almaagbh, Department of English Language, Literature and Translation, Zarqa University, Zarqa, Jordan.

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Abstract

This study investigates the impact of strategic notetaking on English as Foreign Language (EFL) learners’ academic performance among university students in Jordan. Thus, we hypothesized that there is a significant and positive impact of strategic note-taking on EFL learners’ academic performance. To confirm this hypothesis, descriptive research design was applied in this study. 384 (three hundred and eighty-four) respondents were randomly selected from the four public universities in Jordan. This study adapted instruments which include strategic note taking and students’ academic performance measurement items and the data obtained was analysed through Statistical Package for the Social Science (SPSS-22). The result showed that the strategic note taking (i.e. independent variable) has significant effects on EFL learners’ academic performance (R2 =.919). Moreover, the strategic notetaking made the significant contribution (Beta= .449; t= 18.714; P <0.05) to the prediction of EFL learners’ academic performance. In line with the findings, this study emphasised and explained the impact of strategic notetaking and how to improve EFL learners’ level of notetaking for better academic performance in Jordan.

Keywords: strategic Note-taking, English as Foreign Language (EFL), academic performance, Statistical Package for the Social Science (SPSS), Jordan

1. Introduction

The pattern of class lecture in the university level is different than the school level and thus, students must depend on themselves in growing and implementing personal skills and strategies (Harrouz, 2016). According to Simbo (2015), and Davis & Hult (2007) learners have to implement note-taking strategy at the university level for the better academic performance (Bonner & Holliday, 2006; Teng, 1996; Ayer & Milson, 1993). However, most EFL learners have limited awareness about the significance of strategic note-taking and how much it can improve their academic performance (Harrouz, 2016, Kobayashi, 2009). In fact, limited students recognize how fast memory tail off; studies on memory exposed that without brush up, 47% of what a person has just learned is failed to recall in the first twenty minutes and after the first day 62% is forgotten (Senkowski, 2016). Since EFL learners’ academic performance is strongly linked to note-taking, hence, strategic note-taking adaptation is extremely important (Harrouz, 2016; Senkowski, 2016). Consequently, note-taking is an allied strategy that lecturers should advice to adopt for boosting their students’ academic performance. Therefore, effective lecture note-taking and their brush up can conclude how good EFL learners are able to improve their academic performance (Simbo, 2015).

2. Background

EFL learners’ academic performance of students in Jordan has been of much trepidation to one and all. Likewise, Aremu & Sokan (2017), point up that academic performance has turn out to be a key issue of importance to the students, parents, teachers, educational psychologists, psychometricians, academic researchers, and policy makers in Jordanian education arena. According to Muraina, Muraina, Amao, & Oyelade (2015), past literature has shown that academic performance of EFL leaners has been depended on verbal instruction of lecturer to employ particular strategy (Jonassen, 2014); pre-training in reviewing skills (Stahl, King, & Henk, 2011); verbal instructions to employ a particular strategy (Davis & Hult, 2007); and complementing personal with instructors’ notes for the period of later brush up (Kiewra, 2015). Moreover, Parker and Wool (2017), claimed that most of the past studies have concentrated
on the influence of socio-psychological and demographic variables on academic performance in Jordan (Aremu & Sokan, 2017; Aremu, 2015) but they did not enough focus on the impact of strategic note-taking skill for better academic performance (Robin et al., 2014). Despite of the apparent extensive past studies on the determining factor of academic performance of EFL learners, there give the impression to be more issue to be explored. This come to be deceptive bearing in mind the endure interest of Jordanian researchers and educational psychologists; academic policy makers and the persistent attention of Jordanian government.

3. Statement of the Problem

Due to poor academic performance of EFL learners especially among the public university students in Jordan, numerous educationists have a habit of charging the teaching methodology adopted by the lecturers and explaining the lack of fund from the government to provide quality textbooks. Nevertheless, these might not be the foremost reasons why students not performing well. Consequently, numerous EFL learners argue that, when they attend in their class for class lecture, they can go along straightforwardly, but some-time later, when the issue comes to recall about what it has been said, they solely cannot. Another problem that students address is, the swift desertion of the content of what they taught and communicated in their class. Several students try to get down the lecturer’s word exactly but they cannot do it. Likewise, others fail to take even the simplest notes. Hence, students like the class notes when teachers provide it, because those class notes ease them to recall the class lecture. Therefore, in both circumstances, students could improve their academic performance by giving more attention to the strategic note-taking. However, it is yet to gather adequate research evidence to prove that strategic notetaking is a vital factor of EFL learners’ better academic performance in Jordan. Consequently, this study investigates the impact of strategic note-taking on EFL learners’ academic performance.

4. Literature Review

Competence of taking notes is one of the most effective strategies that students have to adopt at university level (Harrouz, 2016; Simbo, 2015). According to prior researches, appropriate strategy of note-taking will help the students not only to recall academic topics and materials, but also to boost their overall academic performance (Robin et al., 2014). Moreover, World Bank (2016) indicated that effective progress entails more than devoting in physical capital, or minimizing the gap in capital and which entails gaining and utilizing knowledge as well as closing the gaps in knowledge. Hence, knowledge and skill possession which is known as education is vital for a nation to establish and sustained as a developed nation. Consequently, Alghieri (1948), stated that academic performance of a student depends on note-taking ability in the class and recently Leyson et al. (2016) claimed that meaningful note-taking helps to boost academic performance of EFL learners. Actually, academic performance of EFL learners at university level in Jordan is suffering due to poor habit of coping lecture notes from others and to abortive note-taking skills as well as inappropriate study habit.

Harrouz (2016), mentioned that note-taking has been an indispensable action of academic life, predominantly for EFL learners. Muaina et al. (2015), and Hale & Courtney (2012), recognized that note-taking could help students ability to remember the content straightforwardly. The determination of their study was to open up whether note-taking could uphold EFL students’ academic performance, and found that 77% of students can remember the content straightforwardly by taking notes which helps to get better performance of the students. Moreover, Huang (2014), specified that the problems with note-taking as well as lack of note-taking ability are problematic issues maximum time narrated by university students.

Consequently, researches on notetaking point out that taking notes in class and reviewing those notes have a positive impact on students’ academic performance. Hence, according to Spires (2011), notetaking should be a key segment of the curriculum and Liu (2015) explained that notetaking is a useful strategy for students to progress their listening comprehension. Expectedly, the majority of studies endorses that students’ ability to remember extra lecture material if they write it in their notebooks (Leyson et al., 2016). Muraina et al. (2015), and Senkowski (2016), language teachers have considered notetaking from different perceptions. Several researchers have found significant effect of notetaking on learning performance. According to Hale & Courtney (2017) out of thirty-five studies on the impacts of note-taking, seventeen past studies obtained that the note takers done better than the non-note takers, sixteen studies establish no difference, two studies realised that note-taking affected performance and remaining studies specify that note-taking has no effect on the learners’ performance.

Moreover, Kiewra, Benton, and Lewis (2014), claimed that students who took notes score higher than the students who do not take notes on both immediate and delayed tests. Additionally, he claimed that undergraduates who did not attend at the lecture but collected notes from other students did better performance than students who did not review notes. However, several reports indicate that students fail to record 40% of the central discussion as class notes.
due to higher rate of verbal communication than material written on the blackboard during the class lecture (Howe, 2017; Muraina et al., 2015). To sum up, note taking facilitates and significantly improve recall of lecture material of EFL learners which is directly help to improve students’ academic performance.

Numerous studies have been accomplished which are presented today an important record on strategic note-taking (Ogunmakin, 2011; Gbore, 2006, Kumar, 2002;). The researchers claimed that strategic notetaking has convincing association with academic performance of students while some other academics (Muraina, 2013; Owolabi, 2006) established that it was the amalgamation of the strategic note-taking and other issues that could clarify students’ academic performance in any course of study. Basically, with the intention of filling the gaps in the mentioned studies, the present study anticipates to find out the impact of strategic note taking on EFL learners’ academic performance among public university students in Jordan. Thus, this study proposes the following hypothesis:

**H1:** There is a significant and positive impact of strategic note-taking on EFL learners’ academic performance in Jordan.

### 5. Methodology

#### 5.1 Research Design

Descriptive study is used as the research design in this study. This study is working to determine the impact of strategic notetaking (i.e. independent variable) on EFL learners’ academic performance (i.e. dependent variable). Nevertheless, it is cautiously scrutinised and documented data as it genuinely arose during the study was accomplished.

#### 5.2 Population, Sample and Sampling Techniques

The students studying in public university in Jordan are considered as the population of this study. In this regard, a structured survey was conducted and the sample size of this study includes 384 respondents which were randomly selected from four public universities in Jordan (i.e. University of Jordan in Amman, Jordan university of Science and Technology in Irbid, The Hashemite University in Zarqa, and Al-Balqa’ Applied University in Ajloun). Overall, three hundred and eighty-four university students were picked for this study.

#### 5.3 Instrument

For strategic notetaking construct, this study adapted and customized fifteen items from the notetaking scales developed by Patricia (2007) as well as employed as a measure of notetaking Questionnaire. Whereas, from the work of Bennett, Power, Eiraldi, Leff, and Blum (2009), this study adapted and customized ten (10) items for measuring academic performance of EFL leaner. This study used five-point interval scale with one (1) representing to strongly disagree and five (5) as strongly agree for all two constructs.

#### 5.4 Validity and Reliability of Instrument

For the validity of the instrument is given to experts in the field of research and statistics as well as educational psychology. Particularly, all these experts had made essential corrections on the instrument and gave some specific suggestions. Whereas, after completing content & face validity of the measure tool, twenty-five (25) copies of the instruments were processed with the intention of testing reliability. The Cronbach’s alpha was then being exercised to test their reliability to make sure that they are reliable in evaluating what they were designed to measure. The reliability coefficient of .77 was obtained.

### 6. Results

Table 1. Descriptive statistics and Correlations among the variables

| Variables                | N   | Mean | SD   | Academic Performance | Strategic Notetaking |
|--------------------------|-----|------|------|----------------------|---------------------|
| Academic Performance     | 384 | 32.47| 23.69| 1.00                 |                     |
| Academic Performance     | 384 | 35.41| 17.96| .574                 | 1.00                |

Table 1 showed the descriptive statistics and correlations among the independent and dependent variables. As shown in above table 1, EFL learners’ academic performance is significantly correlated with notetaking ($r = .574; p<0.05$).
Table 2. Regression analysis on students’ Academic performance

\[
\begin{align*}
R \text{ (adjusted)} &= .952 \\
R^2 \text{ (adjusted)} &= .919 \\
S_E &= 5.879
\end{align*}
\]

Analysis of variance

|        | SS   | DF | Mean square | F    |
|--------|------|----|-------------|------|
| Regression | 99636.87 | 2  | 13174.39 | 763.29 |
| Residual  | 6393.48  | 379 | 17.26     |       |

The table above shows that the independent variable strategic notetaking after pulled together has significant impact on the EFL learners’ academic performance. The value of R (adjusted) = .952 and R\(^2\) (adjusted) = .919. The analysis of variance performed on the multiple regressions yielded a F-ratio value of 763.29 and was found to be significant at 0.05 level.

Table 3. Relative contribution of independent variables to the prediction

| Model                 | Unstandardized coefficients | Standardized coefficients |
|-----------------------|----------------------------|---------------------------|
|                       | B  | Standard error | Beta | T   | P      |
| Constant              | 19.469 | 1.579         | 12.330 | P<0.05 |
| Strategic Notetaking  | .655 | .035           | .449 | 18.714 |        |

The above table shows that the Strategic Notetaking made a significant contribution to the prediction of EFL learners’ academic performance. In the magnitude of contribution, strategic notetaking made the most significant contribution (Beta = .449; t = 18.714; P<0.05).

7. Discussion of Findings

The result of this study showed, there was a significant relationship between the independent variable (strategic notetaking) and the dependent variables (EFL learners’ academic performance). This result is consistent with the study of Kiewra (2015), strategic notetaking is useful as strategic notetaking helps to learn by stimulating attention and joining learner’s cognitive processes of integrating, coding, synthesizing, and transforming obtained input into an evocative form. Moreover, notetaking is perceived as useful as it assists as a peripheral source of information that allows further revision and brush up to stimulate recall of the information heard. Students who practice proper reading skills having notetaking and studying that notes, can carry on knowledge for long time (Chaudron, Cook, &Loschky, 2016). Consequently, this study finding determined that strategic notetaking defines to great extent students’ academic performance.

The result of this study lastly reviled that the strategic notetaking has a significant positive impact on EFL learners’ academic performance. That is strategic notetaking (IV) predicts the EFL learners’ academic performance (DV). In the level of contribution, strategic notetaking made the most significant contribution (Beta = .449; t = 18.714; P<0.05) to the prediction. The outcome of this study is similar with the work of many previous researchers (Armel & Shrock,
2016; Cohn, Cohn, & Bradley, 2015; Fisher & Harris, 2013; Barnett, Divesta, & Rogozinski, 2011; Kiewra, Mayer, Christensen, Kim, & Risch, 2011; Kiewra, 2009).

8. Conclusion

Grounded on the outcomes of this study, EFL learners in Jordan need to be serious to regarding strategic notetaking for changing the academic performance as this study discovered that students’ strategic notetaking approach impact significantly their academic performance at the university level. Per se, it is very decisive to adopt this factor so as to remove the persistent occurrence of poor report of students’ academic performance in Jordan. Specifically, it was also concluded from this study that strategic notetaking will definitely have a strong effect on students’ productivity. Therefore, this strategic notetaking approach is to adopt in student life to boost academic success not only in Jordan but also all over the world and this situation is endorsed that lecturers and parents should inspire the students to inculcate positive attitudes towards strategic notetaking approach. Also, the university administrators should instruct their students on the way of improving notetaking ability in and outside the university.

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