International Journal of Foreign Language Teaching and Research

ISSN: 2322-3898-http//: http://jfl.iaun.ac.ir/journal/about © 2021- Published by Islamic Azad University, Najafabad Branch



Please cite this paper as follows:

Qoreishi Kolaqani, A., Vahid Dastjerdi, V., Salehi, H., & Tabatabaei, O. (2021). Impact of Googling Techniques on Deaf and Hearing-Impaired Students' L2 Writing Performance. *International Journal of Foreign Language Teaching and Research*, 9 (38), 95-107.

Research Paper

Impact of Googling Techniques on Deaf and Hearing-Impaired Students' L2 Writing Performance

Asma Qoreishi Kolaqani¹, Hossein Vahid Dastjerdi²*, Hadi Salehi³, Omid Tabatabaei⁴

¹Ph.D. Candidate, English Department, Najafabad Branch, Islamic Azad University, Najafabad,

Iran qoreishi.asma@gmail.com ²Associate Professor, English Department, Najafabad Branch, Islamic Azad University, Najafabad, Iran ³Assistant Professor, English Department, Najafabad Branch, Islamic Azad University, Najafabad, Iran hadisalehi1358@yahoo.com ⁴Associate Professor, English Department, Najafabad Branch, Islamic Azad University, Najafabad, Iran tabatabaeiomid@yahoo.com

Abstract

This study aimed to investigate the syntactic errors that the Iranian deaf and hearing-impaired (DHI) make in their L2 writings. To this purpose, 60 male and female Iranian DHI students with different social status were selected, through convenience sampling procedure, as participants from among the students of a deaf community in Bandar Abbas, Iran. Their general writing performance was assessed through a proficiency test (pre-test) before they received a six-week writing instruction, in which they were provided with model written utterances and common syntactic points such as sentence order, word order, subject/verb agreement, etc. At the end of the treatment, they were given two topics and asked to write short paragraphs (post-test). Then, different syntactic errors were spotted, analyzed and categorized based on Keshavarz's linguistic taxonomy of errors. The obtained results indicated that the writing quality of the participants improved from pre-test to post-test. It was also found that majority of the participants committed more syntactic omission errors than syntactic addition errors and syntactic substitution errors. It was further found that syntactic errors in written language were not affected by the gender and social class of the participants. The findings of this study provide empirical evidence for teaching



syntactic order to deaf and hearing-impaired students in order to enhance their L2 writing performance.

Keywords: Deaf and hearing-impaired, deaf community, error categorization, error dentification, syntactic errors

Introduction

Researchers have long highlighted the need to apply evidence-based approaches to writing instruction for students who are DHI. Existing interventions often fail to account for the unique language and literacy necessities of Iranian DHI students. The ability to write is an evolved talent, which includes many factors. Students with hearing impairment face multiple challenges in language and literacy skills (Kilpatrick, 2015). Like all students, DHI students need explicit instruction on the conventions of written language, the impact of word choice, genrespecific language patterns, and phrase structures (e.g., De Oliveira & Schleppegrell 2015). Writing is the best stage of communication and is a necessary talent to broaden and foster (Giddens, 2009). DHI individuals consider writing skills as an essential component in jobassociated conversation and community participation.

The previous studies manifested that most DHI students fail to master the complicated writing method (Cheng & Rose, 2008). Worldwide investigations have shown that many DHI individuals entered the school without the acquisition of language fully. The learning of sign language may affect the generation of written language with simple grammatical structures, limited vocabulary, and challenges to verbal accent and agreement (Rodrigues, et al., 2012). The problems those students revel in with analyzing make them a limited experience to models of desirable writing (Antia, et al., 2005). A few progress inside the manufacturing of syntactical shape with increasing age pronounced this development is deliberate than this showed through their peers with normal hearing (Heefner & Shaw, 1996).

Error Analysis manifests the kind of learner's errors and obtains information on common difficulties in language learning. The identification of strengths and weaknesses may occur when an error analysis carried out. It can be necessary for the teaching-learning process as a guideline. In the twenty-first century, people require being able to read and comprehend the written word. Each community has deaf members, either because of illness or genetic inheritance .It is interesting to find out how deaf students become literate if they are born missing a sensory ability for developing literacy.

More specifically, A few authors have begun to work on the syntax of Iranian DHI L2 writing. Keeping in view the vital role of writing for students with hearing impairment characteristics of DHI student's writing, consistently using fewer phrases, incomplete sentences and primary syntactic, it seemed desirable to analyze syntax errors in the written language of DHI students. Furthermore, there is no research work conducted on the syntax errors committed by Iranian DHI students. This research study has an invaluable treasure for student and teachers.

The process of learning English for regular students and deaf students is not the same. For deaf students, it is quite difficult for them to learn English because students with hearing impairments show significant delays in phoneme production, vocabulary, and syntax (Cawthon, 2001). Deaf students cannot fully process the information in form of sounds, while regular students can process them; this may affect their reading ability because of the lack of vocabulary from the sounds they cannot process. Oyewumi (2008) mentioned that Deaf and hearing-impaired



students tend to be visual learners and this is difficult in an environment where much essential information is delivered exclusively by word of mouth.

The teaching of writing to the deaf is constantly being transformed through the increased interest and several studies had done on the subject. Reubell (2011) observed that the deaf use an alternative pathway, specific to reading, not used by people who hear. It will be noted that reading to deaf learners (an approach that has its base in the bi-lingual approaches) has been observed to be instrumental in the teaching of reading and writing to the deaf. Based on the challenges faced by deaf students, it becomes a challenge for a teacher to teach English for deaf students.

The teacher requires having special considerations to adjust to students' disabilities or their behaviors (Mpofu, et al., 2013). Before starting the class, something that a teacher can do is to attract the attention of deaf students with a cue, such as a tap on the shoulder or by waving. A teacher needs to speak clearly and naturally without exaggerating the lip or hand movements to keep the focus of deaf students. Siyavoshi (2017) worked on the role of the non-dominant hand in ZEI discourse structure. It used data from Zaban Eshareh Irani, Iranian Sign Language, to investigate the linguistic strategies for the expression of modality in this language. Manual and facial markers of modality were recognized and analyzed based on their form and the semantic domain.

According to Kilpatrick (2015), the syntactic development of DHI student's writing has a tendency to reliably demonstrate a presentation of thoughts. Rashtchi and Laleh (2015) mentioned film-based Dynamic Assessment (DA) could affect English writing of Iranian deaf children. When examining the writing of DHI students, researchers discovered that they used fewer phrases, more incomplete sentences, and major syntactic structures, fewer subordinate clauses, less noun phrase modifiers, and omitted feature phrases (Wolbers, Dostal & Bowers, 2012). Errors committed by learners especially in Grammar have been focused from many years by many researchers. Regarding errors in writing, Seyabi & Tuzlukova (2014) concluded that students face problems in writing English. Mastering writing in a foreign language is for a DHI student definitely the main and sometimes the only way of expression in the target language and that is why it is so vital to create for the students the opportunities to be successful in this area.

Incomplete grammatical knowledge reduces the content's correctness. As 'Grammar' is the sound, structure and meaning system of language (Subasini and Kokilavani, 2013) plays a very vital role in writing. According to Nonkukhetkhong (2013), in the process of second language acquisition, making of errors are common, especially grammatical errors as it is regarded as a part of learning a second language or a foreign language. According Yahya (2012) errors classified into eleven categories and most common errors are like: articles, possessives, prepositions, pronouns, singular/plural, subject-verb agreement, verbs, infinitive to, word choice and spelling.

In comparison, more subjects had problems with tenses, articles, prepositions, the singular/plural and making the right choice of words in written sentences. Also found the reasons of these errors. The errors were made due to the mother tongue interference, overgeneralization of language rules as in singular plural, lexical avoidance, medium of transfer and so forth. In different studies, hearing-impaired students were found to accomplish poorly in writing skills (Geers, 2003; Schirmer & Mcgouhg, 2005) and their writing scores were found to be lower than their friends with normal hearing abilities (Antia et al., 2005; Spencer, Baker & Tomblin, 2003).

Error Analysis is useful in discovering the errors that are systematically made by the learners, and if such description and classification is made in linguistic terms, as Corder (1973) stated, one can create a picture of those features of language which are causing learning problems



for learners. Effective writing involves learning, comprehension, application and synthesis of new knowledge (Defazio, et al., 2010) which bring the quality in writing. Although some of the sentences were not grammatically correct it does not mean that they did not convey information. It is important to emphasize those making mistakes is a natural part of language learning process and take place to anyone. From the result it can be concluded that the DHI students make so many errors in their English writing. They make errors in spelling, punctuation marks; capitalize the words, sentence framing, tense etc.

From the above review of researches, it can be concluded that students have problems in English Grammar, not only in Iran but also in all over the world mainly for those students who learn English as a second language or third language. Mother tongue many a times effects on learning English. As it is the duty of teachers to teach students effectively, so the teachers can make their lessons effective and attractive by using various techniques like games, poems, songs etc. It leads to the following research questions:

RQ1. What types of syntactic errors do Iranian DHI students make in their L2 writings?

RQ2. Which categories of errors are committed most frequently by Iranian DHI students?

Method

Participants

The samples of the study were Iranian DHI learners and the convenience sampling was used. The participants of this study were selected from among the deaf community in Bandar Abbas. They were 42 female and 18 male students studying in deaf community in Bandarabbas. They ranged from 18 to 40 in terms of age. They were placed in two groups after taking placement test. Also, the Oxford Placement Test was conducted at the beginning of the treatment to double-check the placement. Consequently, participants were randomly assigned to two experimental and control groups. The demographic information illustrates the distribution of respondent's categories in relation to gender and age as described in Table 1and 2:

Table 1

Demographic Background of the Participants (Gender)

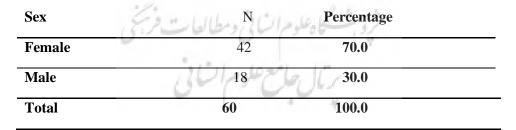


Table 2

Demographic Background of the Participants (Age)

Age	Ν	Percentage
18-25	27	45.0
26-30	16	26.6
31-35	10	16.6



36-40	7	11.8
Total	60	100.0

The results manifested that the highest number in the age group is related to 18 and 25 years and the lowest number belong to the age group of 36 to 40 years. In terms of gender, the highest option was for women with (70%) and the lowest option was for men (30%).

Materials

For the purposes of this study, the participants received writing instruction, in which they were provided with daily more frequent, written model utterances for beginners and elementary levels. These utterances actually comprised the materials of this study. In this study, the linguistic taxonomy of errors prepared by Keshavarz (2013) was applied. The error taxonomy and description of each error is manifested in the following tables. Then, the proportion of different types of errors to all the errors was manually calculated. After identifying and categorizing the errors, their frequency and percentage were calculated in order to determine which categories of errors were committed most frequently among students.

The percentage of each category was calculated by using the following formula: Frequency of errors in each category $\times 100\%$. Error Analysis is carried out to consider the kind of learner's errors and to obtain information on common difficulties in language learning. To answer the research questions, the data of the study were collected through using a writing test as a pretest. All learners in the two groups were asked to write a short text with the given vocabularies. In the last session of the treatment, a topic was given as a posttest to all learners in the two groups to write a short paragraph about it to check their possible errors and improvement. The validity of the pretest and posttest was confirmed by experienced university professors who expressed their views and provided their suggestions. Their suggestions were taken into consideration.

Procedures

To achieve the purposes of the study, the writing classes held three days a week, and each session took 60 minutes within three months. Twelve topics chose by the researcher who is working in the field, and after improving writing, the participants were asked to write short paragraphs about the given topics and words. All the participants enjoyed the coverage of the same educational situation. The present study benefited from a quantitative research method to investigate their syntactic errors. First, a proficiency test used to assess the participants' homogeneity. Also, the researcher elicited information about the participants' age, gender, race, and hearing status. Furthermore, to answer the posed research questions, the researcher looked within the participants' writing samples to identify changes in their L2 produced texts in terms of vocabulary length as one of many possible measures for growth in writing fluency. To put it in a nutshell, to date various methods have been developed to investigate the writing development of the deaf in L2. In this study, however, the teacher provided them with some concepts related to daily issues and asked them to write some short paragraphs.

Results

After the calculation was done, the highest percentage of each category was revealed. In what follows, the types of errors provided.

1. Wrong Verb Tense

Errors of wrong tense or wrong verb are made when a learner attempt to use the wrong verb tense in a sentence. The results of this study manifested that the participants were not aware of applying the correct tense to the verb in the sentences. The number of errors that occurred with expressions of the past, present and future was 56 and (93%) in percentage and it is distributed as follows in table 3, 4:

Table 3

An overview of the incorrect forms- wrong verb tense

Error	Yes	NO	Total
Number of Errors	56	4	60
Percent of Errors	93.3	6.7	100.0

Table 4

An overview of the error identification and correction

Error Classification	Error Identification	Error Correction
-Wrong verb tense	- She spoke quickly	- She speaks quickly
Type of error: Using past	simple instead of present simple	9

2. Wrong word order

Dryer (2005) points out that there are six logically possible ways of arranging words into statements according to their basic grammatical functions of Subject, Object, and Verb (SVO, SOV, VSO, VOS, OVS, OSV). The syntactic arrangement of words in a sentence, clause, or phrase is called word order. Most of the errors found, or in other words, almost half of the errors (58.3%) occurred with wrong word order. and it is distributed as follows in table 5, 6:

Table 5

Table 5 An overview of the ind	correct form	s- wrong word order		
Error	Yes	NO	Total	
Number of Errors	35	25 25	60	
Percent of Errors	58.3	41.7	100.0	

Table 6

An overview of the error identification and correction

Error Classification	Error Identification	Error Correction	
-Wrong verb tense	-I my girl smart have	-I have a smart girl	
Type of error:	Morphosyntactic, SCV instead o	f SVC	

3. Subject/verb Agreement

Basically, subjects and verbs in a sentence, clause, or phrase must agree with one another in number (singularity or plurality). Therefore, if a subject (a person or a thing) is singular, its



verb (the word which represents that action) has to be singular as well; and if the subject is plural, its verb must also be plural. The number of errors that occurred with Subject/verb Agreement was 57 and (95%) in percentage and it is distributed as follows in table 7, 8.

Table 7

4	•	C .1	•	C	a 1 · .	/ 1 4	
An ove	rview	ot the	incorrect	torms-	Nublect	/vern A	greement
1110000	11011	oj inc	incorrect,	joints	Subject	101011	Siccincin

Error	Yes	NO	Total
Number of Errors	57	3	60
Percent of Errors	95.0	3.0	100.0

Table 8

An overview of the error identification and correction

Error Identification	Error	Correcti	on	
-They travels different countries	They	travel	to	different
	count	ries		
ntactic				
1		-They travels different countries They count	-They travels different countries They travel countries	-They travels different countries They travel to countries

4. Spelling

Spelling is the process or act of writing words by means of using the conventionally accepted letters for their formation. Number of errors that occurred with spelling was 23 and (38%) in percentage and it is distributed as follows in table 9, 10:

Table 9

			mem	ory			
-Wrong word order		-My freind has a good memory	My	friend	has	a	good
Error Classification		Error Identification	Erro	r Correct	ion		
An overview of the erro	or identifica	ation and correction					
Table 10		رئال حاض علوم الساقي					
Percent of Errors	38.3	61.7	4	100.0			
Number of Errors	23	بمسكاه علوم 37 إلى ومطالعات	57	60			
Error	Yes	NO		Total			

Type of error: orthographic, letters with similar sounds are mistaken

5. Capitalization

Capitalization refers to writing a word with its first letter as a capital letter or upper-case letter, and the remaining letters of the word in small letters or lower-case letters. Number of



errors that occurred with capitalization was 34 and (56.6%) in percentage and it is distributed as follows in table 11, 12:

Table 11

An overview of the incorrect forms-Capitalization

Error	Yes	NO	Total	
Number of Errors	34	26	60	
Percent of Errors	56.6	43.9	100.0	

Table 12

Error Classification	Error Identification	Error Correction
-Wrong word order	-I like to live in brazil	- I like to live in Brazil

6. Preposition

Prepositions are words that show the relationship between a noun, or a pronoun, and the rest of the words in a sentence. Prepositions also link nouns, pronouns and phrases to other words in a sentence. The word or phrase that the preposition introduces is called the object of the preposition. A preposition usually determines the spatial, temporal, or logical relationship between the object to other words in a sentence. A great majority of the participants in this study demonstrated confusion for the right usage of prepositions as shown in the examples below. Number of errors that occurred with proposition was 60 and (100%) in percentage and it is distributed as follows in table 11, 12:

Table 13

An overview of the incorrect forms-Capitalization

Error		Yes_	NO en lulo	Total
Number	of	60	0	60
Errors		100	ربال حامع علو	
Percent	of	100	0	100.0
Errors				

Table 14

An overview of the error identification and correction



Error Classification	Error Identification	Error Correction
-Wrong word order	one of my dreams is travel Italy	one of my dreams is to travel to Italy
Type of error: us	sing different propositions in not o	correct position

7. Articles

An article is a word that is used with a noun to determine the type of reference which is being made by the noun. There are two types of article in English: the /a/an. The, called the definite article, is used to refer to a specific or a particular noun; a/an, or the indefinite article, is used to modify non-particular or non-specific nouns. Number of errors that occurred with Articles was 28 and (46.6%) in percentage and it is distributed as follows in table 15, 16:

Table 15

An overview of the incorrect forms- Articles

Error	Yes	NO	Total
Number of Errors	28	32	60
Percent of Errors	46.6	53.4	100.0

Table 16

Error Classification	Error Identification	Error Correction			
Wrong word order	Money is basic necessity life	Money	is	the	basic
		necessiti	es		

8. Omission of verbs

A very rare type of error was not using verbs in sentences. Number of errors that occurred with omission of verbs was 53 and (88.3%) in percentage and it is distributed as follows in table 17, 18:

Table 17

An overview of the incorrect forms- Omission of verbs

Error	Yes	NO	Total	
Number of Errors	53	7	60	
Percent of Errors	88.3	11.7	100.0	

Table 18

An overview of the error identification and correction

Error Classification	Error Identification	Error Correction
-Wrong word order	- when we stay in Tehran we	- When we were in Tehran we
	in a hotel	stay in hotel

9. Wrong Plural Morpheme

Some nouns do not take a plural morpheme, or some might have irregular forms, while learners might have the assumption that a plural marker is required. Number of errors that occurred with Wrong Plural Morpheme was 45 and (75%) in percentage and it is distributed as follows in table 19, 20:

Table 19

An overview of th	e incorrect forms-	Wrong Plural Mo	rpheme
-------------------	--------------------	-----------------	--------

Error	Yes	NO	Total
Number of Errors	45	15	60
Percent of Errors	75	25	100.0

Table 20

An overview of the error identification and correction

Error Classification	Error Identification	Error Correction			
-Wrong word order	- we stay in hotel for 5 day	- We stay in hotel for 5 days			
Type of error: adding or omitting the plural morpheme					

10.Typical Persian Construction

These structures are seen when the learner still thinks in Persian and goes word for word, when it comes to writing English. Number of errors that occurred with Typical Persian Construction was 23 and (38.3%) in percentage and it is distributed as follows in table 21, 22:

11/

حادثكلوهرانسا بالومطالعات

Table 21

An overview of the incorrect forms- Typical Persian Construction

Error	Yes	NO	Total
Number of Errors	23	37	60
Percent of Errors	38.3	61.7	100.0

Table 22

An overview of the error identification and correction

Error Classification	Error Identification	Error Correction
-Wrong word order	- I and my friend go park	- My friend and I go to park
Type of error: N		



Discussion

Students who are deaf with or without extraordinary requirements, goes to the procedures of writing with diverse strengths and challenges. Additionally, there are several possible explanations for this result. Individual diversity in psychological, neurological, physical potential, development, skill, and experience should be considered as the most important factors that affected on their L2 learning. DHI students lack full access to spoken English and typically struggle with English grammar, it has been suggested that writing instruction primarily focus on discourse level skills. It seemed that students did not have a fixed amount of grammatical writing errors but also had a chance to consider if their sentences were natural or not. One way to highlight the influences of them other tongues on students 'learning of English is to collect errors and ask the students to analyze and to correct them (Ridha, 2012).

Generally, DHI have more errors in grammar, tenses and word endings. Writing sentences with correct structure depends on having an understanding of how our language fits together. DHI people show that they may have gaps in their understanding of how language works. Basically, these people will need repetition of correct usage of different sentence structures and, thus, they can obtain a clear understanding of how words fit together to make sentences correctly. Overly, they need to have encouragement. So, they gain confidence in written expression. Consequently, errors in contrastive analysis are the comparison of native and target language in order to make predictions and explanations about errors in the field of applied linguists.

The hearing impaired have also some special problems in composition writing because they are not fluent in reading, have limited vocabulary, cannot read extensively to help them remember spelling of words and at times tend to use sign language structures in composition writing. Relevance and choice of vocabulary is equally essential. It is important to select a wide range of appropriate vocabulary that allows a student to communicate his ideas by using appropriate expressions and spelling words correctly is imperative to write a good composition.

Conclusion

The purpose of this study was to analyze grammatical errors in writing samples by DHI students. The children who were DHI wrote samples containing less lexical diversity. This finding indicates that they were using a limited range of vocabulary than the ordinary people. DHI students tended to use the same vocabulary repeatedly in their spontaneous writing samples. The other objective of this study was to complete an error analysis on the spontaneous writing samples. Overall, there were different types of syntax errors produced within the group. These categories included errors with: verbs, articles, nouns, prepositions, pronouns, and conjunctions, singular versus plural, adverbs, word order, incomplete sentences, adjectives.

It can be concluded that the researchers and instructors have centered on improving the writing skills of DHI students more than several decades. However, in spite of the years of education, mostly stay unable to provide clear and error free texts. Tense errors were the most common type of verb errors for DHI students. The most common type of tense error was substituting the present for the past tense and also the agreement errors were found repeatedly among them. They made different types of substitution errors than the hearing people. Addition errors were the least common type of verb error in DHI students. The second most common syntax error was with the usage of articles. However, all participants made omission, addition, and substitution errors on articles. In summary, DHI students in this study who were deaf produced shorter sentences and had less lexical diversity than other people, they showed similar



patterns in syntax errors.

References

- Antia, S. D., Reed, S., & Kreimeyer, K. H. (2005). Written language of deaf and hard-of-hearing students in public schools. *Journal of Deaf Studies and Deaf Education*, 10(3), 244–255.
- Arfe, B., & Perondi, I. (2008). Deaf and hearing students' referential strategies in writing: What referential cohesion tells us about deaf students 'literacy development. *First Language*, 28, 355-374.
- Cawthon, Stephanie W. (2001). *Teaching Strategies in Inclusive Classrooms with Deaf Students*. University of Wisconsin–Madison. Oxford Press.
- Cheng, S., & Rose, S. (2008). Assessing Written Expression for Students Who is deaf or hard of *hearing: Curriculum based measurement* (Report No 11). Minnesota: Research Institute on Progress Monitoring.
- Defazio, et al. (2010). Academic literacy: The importance and impact of writing across the curriculum- A case study. *Journal of the Scholarship of teaching and learning*, *10*(2). pp. 34-47.
- Giddens, E. (2009). Teaching written language to students who are deaf or hard of hearing [Master's thesis].
- Heefner, D. L., & Shaw, P. C. (1996). Assessing the written narratives of deaf students using the six-trait analytical scale. *The Volta Review*, 98(1), 147–168.
- Kilpatrick, J. R. (2015). Developing a Written Language Inventory for Deaf and Hard of Hearing Students: A Systemic Functional Grammar Approach [Doctoral Dissertation]. University of Tennessee.
- Nonkukhetkhong, K. (2013). Grammatical Error Analysis of the First Year English Major Students, Udon Thani Rajabhat University. The Asian Conference on Language Learning 2013 Official Conference Proceedings. pp. 117-126.
- Oyewumi A. (2008). An investigation on inclusive instructional practices and learning of students with hearing impairments in post-secondary schools.
- Reubell, S. (2010). How to Teach Deaf Students to Read. Retrieved December, from e How.comhttp://www.ehow.com/how_5079105_teach-deaf-students read. Html # Ixzz1 dOYjd1fi.
- Rodrigues, M. G. G., Abdo, A. G. R., & Carnio, M. S. (2012). Influence of the type of visual stimulus in the written production of deaf signers without complaints of writing impairments. *Revista da Sociedade Brasileira de Fonoaudiologia*, *17*(2), retrieved from http://dx.doi.org/10.1590/S1516-80342012000200018.
- Seyabi, F.A. & Tuzlukova, V. (2014). Writing Problems and Strategies: An Investigative Study in the Omani School and University Context. *Asian Journal of Social Sciences & Humanities*, 3(4). pp. 37-48.
- Subasini, M. & Kokilavani, B. (2013). Significance of grammar in teaching English. International *Journal of English Literature and Culture*, 1(13). pp. 56-58. DOI: 10.14662/IJEL C2013.022.
- Wolbers, K. A., Dostal, H. M., & Bowers, L. M. (2012). —I was born full deaf. || Written language outcomes after 1 year of strategic and interactive writing instruction. Journal of *Deaf Studies and Deaf Education*, 17(1), 19-38.
- Yahya, A. et al. (2012). Error Analysis of L2 Learners' Writings, a Case Study. 2012 International Conference on Language, Medias and Culture IPEDR, 33. pp. 114-118.



Islamic Azad University of Najafabad



