

Chapter Six

Summary and recommendations

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Includes:

- 6.1- Summary
- 6.2-Results and conclusions
- 6.3-Recommondations.
- 6.4- Future studies.

6.1-Summary:

The purpose of this research was to study the role of computers in teaching English at grade eight in the basic level in Sudan, and detecting the effect of computers as teaching to see if there is any effect in information acquisition for our students, and to see if there any relationship between using computers as teaching machine and the progress of students in their continuous assessments , also to investigate teachers about their attitudes and opinions about computers and using technology in classrooms .Eleven questions were developed for the purpose of this study , all items of the questionnaire were inquiry about ; physical location of computers in the targeted sample ,teachers point of view in information technology in education , and the factor affecting information acquisition through internet and personal computers .

Sample and data collection;

A random sample of 30 schools in Khartoum, Khartoum North and Omdurman selected for the findings of the research , more than 200 teachers were inquired through the mentioned questionnaire according to Likert – scale ,the first return of the questionnaire was more than 50 percent and it was increased after followed up the research team .

A classroom observation model was designed and used to track how more than 200 students interacted and worked together in (CBI) computer based instruction laboratories in Kingdom of Saudi Arabia. The relationship between the frequency of computer use and indicators of information acquisition were investigated using statistics of T.test based on SPSS program to situate the relationship between the control and experimental group.

Statistical analysis of data;

The statistical package for social science, a new software program was applied to analyze collected data and to establish validity and reliability of the instrument, for analysis of variance between the control and experimental groups of the research.

6.2-Results and conclusions:

The following conclusions were drawn from the results of data analysis:

(1): From the perspective of teachers, is there any positive relation between computers – as teaching machines – and student's interest in learning?

For this question, a total of 70 teachers reported as strongly agree to the mention statement with 40.65 positive average while only 1.7 of the targeted responded strongly disagree and 3.3 percent for disagree.

Question (2) from the perspective of teachers, could computers play a positive role in developing teaching skills?

This statement was, confirmed positive respond in bar graph number 2 as shown in the analysis of data.

Question (3) As perceived by elementary stage .Is there any firm need for computers to expand our student's minds?

For this question, a total of 64 teachers reported as strongly agree to the mention statement with 4.Positive average while only 5 of the targeted responded strongly disagree.

(4)From the teacher's point of view. Can we easily achieve our goals in education, when we teach through computers?

Question 4 gave a positive respond, more than 69 of the targeted responded with agree which means computers might play a proper role in education.

(5)From the perception of teachers. Is using computers- as teaching machine- tedious and frustrating?

the result was negative , more than 51 of the responders said yes to this item confirming the statement.

(6) From the perception of teachers. Could we diminish classroom barriers when we teach English through computers?

For the diminishing of the classroom barriers the result was positive, 51 of the teachers agreed with the statement, and the average was 3.76.

(7) From the teacher's point of view. Do computers make information more accessible?

Information acquisition was also confirmed positive, 75 of the investigated teachers responded strongly agree only 6 disagreed.

(8) From the view of teachers, could computers change abstract concepts into practical experience?

For this question the result was positive 66 of the targeted responded with strongly agree the average was 4.30 only 8 responded negative.

(9) From the teacher's point of view. Are computers more useful than text books?

Question 9 confirmed negative, 70 of the targeted disagreed with this statement, 18 strongly disagreed.

(10) From the teacher's point of view, could computers facilitate positively in teacher's every day tasks?

The result was positive 65 of the targeted respond was strongly agree.

(11) From the teachers point of view. could computers facilitate positively in students' every day tasks?

The last statement was adopted positively, 70 of the targeted said strongly agree to the mentioned statement, the average was 4.25. with 58% of the teachers agreed with the statement.

6.3 – Recommendations:

From the revealed results and the review of the conceptual frame the following recommendations could be stated:

- 1- The lack of proper facilities in the basic schools was evidently recognized as shown through the study data analysis and the revealed literature .So it is highly recommended that the ministry of education should adopt a clear policy in releasing an accurate and suitable fund in this dimension.
- 2- The data analysis revealed the majority of the basic schools do not have any plan to adopt technology as future strategy although the information technology is rapidly in progress , it could be recommended that an accurate future policy, the responsible persons in the ministry of education are obligated to adopt the mentioned as an important target.
- 3- Data analysis exposed the lack of computer physical location in the targeted schools, so it could be recommended for the school principals should allow their students to use computers inside classrooms to increase students' interest in attending lessons and to provoke them to interact with their teachers.
- 4- Analysis of data revealed also lack of teacher training , many of the targeted teachers reported their negative attitudes in teaching through computers because the no nothing about teaching or handling lessons through computers , It is highly recommended that teachers should be trained to teach through computers.

6.3 – Future Studies:

According to the study reviewed literature and the collected findings, the following suggestions for future studies seem to be important:

- 1- A study to be conducted in the (SPINE CALL) program, which the researcher suggested as an open learning resource.
- 2- This study to be developed and promoted using more facilities and computer utilities.
- 3- A study to be conducted in computers as tutors, it is an extensive field and many things could be done.
- 4- Teachers attitudes in using technology as teaching and learning machine is a suitable field for more dissertations to be achieved .
- 5- A study to be conducted in the relationship of computers and information acquisition.
- 6- A study to be conducted in the factors affecting the use of computers as an effective tool in computer based instruction.

7- A study to be conducted in future information technology engineering.

8- A study to be conducted in information technology as an important aspect.