The effectiveness of a computer program based on simulation in developing the skills of drawing Arabic calligraphy among students o the basic education stage in the capital Sana

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Abstract

The study aimed at the effectiveness of a computer program based on simulation in developing the skills of drawing Arabic calligraphy among students of the basic education stage in Amanat Al Asimah in the second semester of the academic year (2021 - 2022 AD).

To achieve the goal of the study, the researcher used the two approaches (descriptive and experimental), then prepared the study tools and presented them to specialized arbitrators to judge their validity, which are:

1- A list of the necessary calligraphy skills for eighth graders.

2- A simulation-based computer program for developing Arabic calligraphy drawing skills, designed on a PowerPoint presentation program.

3- A test to measure the development of Arabic calligraphy skills for eighth graders.

The sample of the study consisted of (100) pupils of the eighth grade, who were randomly selected from (Zayd bin Haritha) school, which was chosen by the intentional method, and they were divided equally into two groups, where Division (A) was chosen to represent the experimental group taught by the computer program based on simulation. And the

selection of the group (B) to represent the control group, taught in the traditional way.

The T-test of two independent samples showed the following result: There are statistically significant differences at the significance level (0.05) in the development of Arabic calligraphy skills among the eighth graders, between the students of the control group that studied in the traditional way, and the students of the experimental group that studied using the computer program, in favor of the experimental group, in the whole test. .

The study recommended that it is necessary to add the theoretical skills of Naskh and Raq'ah scripts to the curriculum for the basic stage.

The researcher suggested some studies to complement this study, such as conducting similar studies in all branches of the Arabic language.