The effectiveness of a program based on mobile learning to develop some mathematical concepts and skills among the learning difficulties section students in the Faculty of Education

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Abstract:

The research aimed to build a program in mathematics based on mobile learning to develop some mathematical concepts and skills among the learning difficulties section students in the Faculty of Education in Dammam and investigate the effectiveness of this program, To achieve this objective, the researcher prepared a list of mathematical concepts and skills needed for learning difficulties students in the Faculty of Education during the practical Education course and an achievement test in mathematical concepts and skills and the two tools were Showed to a group of jury members (experts in teaching mathematics , experts in learning difficulties , experts in Measurement and Evaluation) with the aim of judging. After that the researcher built a program in mathematics and its manual for teaching based on mobile learning.

The pretest applied on a sample of learning difficulties students from the College of Education in Dammam (49 students), Then the program applied on the sample for 12 weeks (two hours per week), finally the posttest applied.

The results of the research indicated that the program was effective in the developing some of the mathematical concepts and skills among the learning difficulties section students in the Faculty of Education in Dammam.

The researcher recommended that the need to include the preparation of teacher's programs learning difficulties courses in math basics, and the importance of the use of mobile learning mobile in teaching university students, especially in remedial courses and enrichment.

Keywords: A Program in Mathematics, Mathematical Concepts, Mathematical Skills, Learning Disabilities, Mobile Learning, Students in the Faculty of Education.