Digital Infographic: Its Impact on Cognitive Achievement and Visual Thinking Skills of Students with Different Cognitive Styles (Independent/ Dependent)

The current research aimed to identify the impact of digital infographic cognitive achievement and visual thinking skills of students with different cognitive styles (independent/ dependent) in scientific courses in the basic education stage. The researcher used the quasi-experimental approach, where the research sample consisted of two experimental groups that were classified according to the cognitive style (independent/ dependent). The researcher converted the educational content from traditional style to e-content based on the digital infographic strategy, which contains many formations and visual effects. The results indicated that there is a statistically significant effect when applying the educational content based on the digital infographic on the sample (independent) in the development of visual thinking skills, and there is also a statistically significant effect on the cognitive achievement of the sample. The researcher recommended the importance of converting educational curricula into interactive e-content based on the digital infographic strategy, emphasizing commitment to educational design standards and technical development standards and considering the preparation of professional development programs for teachers about developing e-content and its effective utilization in the context of instruction and learning.