Evaluating Touchscreen Usability for Blind People

(Title: Garamond, 16 pt; less than 12 words)

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One major trend in research and development of ICT learning tools is universal design for learning. Although the universal design posits that every learner should have equal access to learning, its focus is on general access rather than ease of use for people with particular needs. Many ICT tools for disabled people are targeted to support the needs of learners with specific disabilities, which calls for a validated usability evaluation criteria for those tools reflecting opinions of all the related parties such as learners, parents, teachers, developers and researchers. (Abstract: Garamond, 10 pt, 100-150 words)

Keywords: Evaluation, Touchscreen, Usability (up to 5 keywords in Alphabetical order; Garamond, 12 pt)

Issues of Usability

(Heading 1: Garamond, 13pt, Center, Bold)

Touchscreen Usability Test (Heading 2: Garamond, 11pt, Bold)

To carry out this task, researchers proposed a framework for analyzing various dimensions representing ICT learning tools. The basis of the framework consists of three dimensions: Interface (screen layout, menu design, etc.), learning (support for various learning tasks, interaction, etc.), and technology (compatibility, error prevention, stability, etc.). Each dimension was categorized into efficiency, efficacy, and satisfaction.

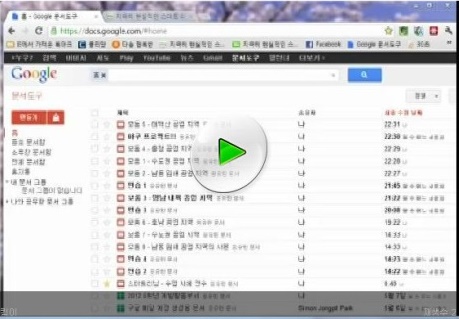
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**Preparation of the test.** **(Heading 3: Garamond, 10pt, Bold)** XXXXXX XXXXXXXXXXX XXXXXX XXX XXXXXXXXXXXXXXXXXXXXXXXX (Body Text: Garamond, 10pt)

Table 1

*Analysis Results* (Garamond, 10pt)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| IV | DV | *SS* | *df* | *MS* | *F* | *p* |
| Scaffolding type | Test scores | 304.71 | 1 | 304.71 | .86 | .36 |
| Self-efficacy | 650.13 | 1 | 650.13 | 4.35 | .04 |



*Figure 1*. Descriptive phrase that serves as title and description (Garamond, 10pt)

References

(Garamond 13 pt, Confirm to the APA - 6th edition style)

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(Garamond, 10 pt)