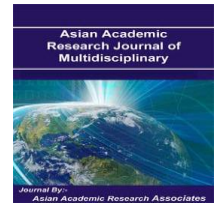




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A CASE STUDY: DISCUSSING THE IMPACT OF COLOR CONTRAST ON OBJECT RECOGNITION FOR INDIVIDUALS WITH LOW VISION

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Abstract

The aim of the study was to investigate the most recognizable color contrast level among individuals with low vision. Since the current paper is a case study, using different methods to collect data was recommended. A semi-structured interview format was adopted using open-ended questions. Additionally, document source was used as multiple digital images presented to the participant, having different levels of color contrasts. Finally, a non-participant observation was used which is also video recorded. After collecting the data, a thematic analysis technique was used to sort the information. The data was divided into two main categories, poor and good color contrast. The two categories then sub-divided into five different themes; moved objects, non-moved objects, big objects, small objects, and architectural elements. The findings of the study showed that in all themes the participant agreed that high/good color contrast is important to him, and preferable comparing to the low/poor color contrast. The participant found that having a good color contrast in his surrounding would result in easier recognition and locating to objects. Not only the high/good color contrast was recognizable by the participant, but also medium /high color contrast was easy to see.

Key Words

Visual Impairments, Partially Sighted Individuals, Low Vision, Color Contrast, Environmental Design, Interior Design, Human Factor

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