

ABSTRACT

Partial color blindness is a condition that makes it difficult for individuals to perceive certain colors. Red-green partial color blindness is more common than blue-yellow partial color blindness and total color blindness. This condition can affect children and potentially disrupt their learning process, especially since children's educational media often involve visual objects and colors, particularly during the golden age of development (ages 6-9). The lack of educational visual media that considers color blindness in children serves as the background for this research report. This study aims to design a visual interactive book as an educational tool for children with red-green partial color blindness. This research employs a qualitative methodology. Data was collected through literature reviews and interviews with children's book illustrators, kindergarten teachers, and pediatric ophthalmologists. The design of this interactive book applies design strategies utilizing a contrasting blue and yellow color palette, easily readable typography for children, and storytelling illustrations to enhance children's understanding and self-confidence regarding red-green partial color blindness. A key feature of this interactive book is the "Lift & Flap" mechanism, allowing children to simply open and close paper sheets.

Keywords: Interactive Book, Partial Color Blindness, Children