

ABSTRACT

MCR is an organization under the PKBI Bandung Institute that has concerns in reproductive health education for high school teenagers. MCR has a website that contains materials about reproductive health. However, it is not accessible for visual impairment teenagers, for example, the picture cannot be read by screen reader software, and the absence of reproductive health learning that specifically for the visual impairment teenagers causes the lack of comprehensive learning and lack of independent learning for visual impairment teenagers. Android-based application of reproductive health learning will be developed to reduce effort such as opening a browser and typing the e-learning address. The application designed to implement multimodal interaction, that can become natural interaction involving several human senses in using applications that offer flexibility, efficiency and the use of a usable environment. The application allows the user to interact through several inputs such as touch, or gesture and get an output as a sound. In this study, writer using User-Centered Design method, so the design can be focused on the user. The user interface model that has been generated is done by usability testing with USE questionnaire parameters that reach an average usability percentage of more than 87,5%, it can be said the usability with a very good category

Keywords: usability, USE questionnaire, user-centered design, user interface, visual impairment teenagers