Abstract

Emergency can occur at anytime, anywhere and to anyone. Based on that problem, there is a solution called the application of panic button in Bandung City, which aims to help users when in an emergency so that it can be followed up by the authorities. Unfortunately, the panic button application itself has a drawback that makes it hard for people with hearing impairment to use this application, which is the emergency confirmation feature using telephone calls. The problem of hearing impaired people have in communication makes it difficult to confirm the emergency details. In this study, a panic button user interface was built that can be used for people with hearing impairment. By using the user centered design (UCD) method and usability testing using the USE Questionnaire method. From the results of usability testing the third iteration, produces a value of 87% with a very good category. It shows that the design of the panic button user interface for the deaf is in accordance with users needs.

Keywords: deaf people, user centered design, user interface, use questionnaire