

ABSTRACT

Most of the attractions are only accessible to ordinary people; those who are excluded or neglected have no chance. Tourism object is closely related to the accommodation industry, especially hospitality. Meanwhile, carrying out tourism activities has the right to be carried out by everyone, including those with special needs or persons with disabilities. Based on data provided by the Bandung City Data Portal, it was recorded that in 2019 there were 1662 people with special needs, while in 2020, there were 1744 people with special needs or, in other words, an increase of 5%. When compared to the entire population of Bandung City in 2020 visited, with 2,510,103 people, it can be found around 6.9% of people with special needs or disabilities in Bandung. According to the European Network for Accessible Disabilities, it is essential for tourists with disabilities, one of which is information about a place. Therefore, the Difa Rooms application is present as a platform that provides information on hospitality accessibility and mobility for people with special needs who use wheelchairs. Difa Rooms application back-end system built using the PHP programming language with the Laravel framework.

The design of the back-end system for the Difa Rooms application was developed using the waterfall method until the testing stage. The testing phase is carried out using the white-box testing method with unit testing techniques using PHPUnit.

Keywords: hospitality, disability, back-end, waterfall, unit testing.