

ABSTRACT

Bandung is the capital city of West Java and one of the cities included in the Top 50 Smart City, to be precise at 28. Having a population of 2,510,103 in 2020 makes the city of Bandung one of the most populous and developed cities in Indonesia where information needs for all residents of the city of Bandung are very important. However, approximately 6.9% of the population of Bandung city is disabled, and information on the need for people with disabilities is still very minimal when the City of Bandung has entered as a smart city. A smart city is not just the use of applications in all city facilities or the delivery of dynamic information, but the reach of all levels of society who receive and use it must also be fulfilled. Currently, there are still many places or locations where information on the needs of people with disabilities is still not conveyed, or vice versa as if it can be used by people with disabilities but the reality is different. Therefore, the research team created a website-based solution called Difa Rooms which is expected to later be able to provide information avenues for people with disabilities, especially wheelchair users, to get information about places that are accessible to people with disabilities. This study is still devoted to lodging in the city of Bandung. In addition, it is also hoped that this research will inspire the community, government, and businessmen to better see people with disabilities where they need more facilities than the general public. Thus, the real goal of a smart city will be achieved without any community feeling isolated.

The development of the appearance of the Difa Rooms website uses the Laravel framework and testing is carried out using Google Lighthouse. Where testing using Google Lighthouse is very important to see the accessibility value of a website to support later users who are people with disabilities.

Keywords: lodging, disabled, front-end, spiral, google lighthouse.