

ABSTRACT

The advancement of technology in campus environments demands systems that support accessibility for all students, including students with disabilities who still face mobility challenges due to limited and hard to access directional signs. To address this issue, a web based application called EaseAble was developed to assist students with disabilities in searching for and reaching locations within the Telkom University campus independently. This application was developed as part of an internship project at the Center of Excellence Smart City, with a focus on backend development, including the design of relational database structures and RESTful APIs using Node.js and MySQL. EaseAble provides location search features and visual navigation guides through slideshow based directions to facilitate navigation. The testing results show that this application functions well in supporting students with disabilities in navigation, thereby contributing to the creation of a more accessible and inclusive campus environment.

Keywords: EaseAble, Campus Navigation, Students with Disabilities, Web Application, Backend.