

ABSTRACT

Berbagi.link encountered obstacles in developing the Event feature due to the limitations of the technology used. This feature was built using the React component class, but many technologies have experienced deprecation or are not compatible with the React component class because many technologies support and are more compatible with React functional components. Migration from class components to functional components is also carried out to improve overall application performance. To overcome this, this research aims to migrate technology to the Event feature and analyze application performance. The scrum method is used to ensure team collaboration and iterative solutions. The result of this research is that the migration of class components to functional components was successfully implemented in the Event feature. Application testing uses the black box method with 17 successful test scenarios with a "Lulus" status indicating that the main functionality of the application has not changed after migration. In addition, analysis of application performance after migration with applications before migration means the average performance score increased by 48.4%, with the smallest increase of 10% on the waiting list page and the highest increase of 140% on the transaksi detail page. Thus, this research was successful in migrating the Berbagi.link Event feature and improve application performance.

Keyword: Berbagi.link, React, Class Component, Functional Component, Scrum