ABSTRACT

THE COMPARATIVE ANALYSIS OF LARAVEL FRAMEWORK AND CODEIGNITER FRAMEWORK ON E-COMMERCE WEBSITE DESIGN IN PT SINAR AGUNG PRASADIKINDO

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The development of the website cannot be separated from the way of making it which has undergone many developments, one of the results of developments in website creation is the large selection of frameworks that developers can use. Especially frameworks that use PHP programming languages such as Codeigniter, Laravel, Symfony, CakePHP, Yii, Zend and many more. However, according to Google Trends for the last 5 years the most popular PHP frameworks in Indonesia are Laravel and Codeigniter. PT Sinar Agung Prasadikindo is a private company engaged in the automotive sector. Due to the COVID-19 pandemic, spare parts sales have decreased. One way to solve this problem is to build an e-commerce website. To give a good impression and satisfaction to customers when transacting, we need an e-commerce website with good performance. Therefore, a comparative analysis was carried out between the Laravel framework and the Codeigniter framework from the performance aspect, using the parameters of response time, throughput, page load time, requests per second, and execution time of data transactions with REST (Representational State Transfer) architecture.

Keywords: **Website, E-Commerce, Framework, Laravel, Codeigniter, Performance**