BACKEND DEVELOPMENT FOR SERVING THE HIGH PERFORMANCE ONLINE MARKETPLACE FOR MALE BEAUTY CARE SERVICES (KERENAJA)

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STATEMENT BY THE AUTHOR

I hereby declare that this submission is my own work and to the best of my knowledge, it contains no material previously published or written by another person, nor material which to a substantial extent has been accepted for the award of any other degree or diploma at any educational institution, except where due acknowledgement is made in the thesis.

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ABSTRACT

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At present online marketplace is a medium for connecting sellers and buyers , specifically in the field of beauty for men. Besides that online marketplace currently more focus on selling products rather than selling services .Usually , if there are products and services the existing transaction systems will be automatically separated by the online marketplace. The purpose of this research is to create an application that can combine services and product in a platform that can facilitate customers and vendor to make transactions of product and services easily that can be done in a transaction where it is necessary to create a backend system that can accommodate the customer's and vendor needs, where the technology used to implement this backend system is Node Js which functions as Rest-API and also MySQL as a database system. After the next development phase, this website will be tested in terms of scalability using Apache J Meter to find out how much capacity that can be handled by this website. The results obtained after doing this scalability test is that this website is able to accommodate up to 1500 requests. The results obtained are quite good where Node Js itself has advantages in terms of features, namely Non-Blocking which is able to process data faster.

Keywords: Online Marketplace, Beauty Care Platform, Backend System, Stress Test.

DEDICATIONS

I dedicate this thesis to the future of Indonesia , to my parents, all of my friends and also other parties that helped in making this thesis.

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