

ABSTRACT

POMOWEB: DEVELOPING A WEB-BASED POMODORO APPLICATION WITH SERVERLESS ARCHITECTURE

Oleh

Reyhan Widi Prasetyo 20104043

This research aims to enhance the functionality of Pomodoro websites by addressing limitations such as limited customization options for colors and time recommendations, as well as the need for task list features often lacking in similar platforms. The proposed solution involves developing a Pomodoro website using serverless architecture, providing users with the flexibility to customize the platform according to their preferences. By focusing on efficient development, the site aims to create a versatile learning environment and enhance individual learning experiences tailored to each user's unique study needs. Integration of customizable features such as colors, time recommendations, and task lists is expected to optimize user learning efficiency and aid in maintaining focus during study sessions. Extreme Programming (XP) methodology is employed in the development process. The outcome of this research is the successful creation of a Pomodoro website utilizing serverless architecture based on the Azure platform. The website includes key features such as Pomodoro Timer, Timer Customization, Music Player, Background Customization, and Todo List. Thus, the website aims to serve as an effective tool for students and professionals alike, providing a conducive environment to enhance productivity and achieve academic or professional goals efficiently.

Keywords: Pomodoro, serverless, customization, learning efficiency, Azure platform.