

ABSTRACT

DESIGNING AN E-COMMERCE WEBSITE FOR SELLING SOURCE CODE BY THE NAME OF GENCODE USING THE SCRUM METHOD

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The development of E-Commerce in Indonesia, triggered by internet advancements, presents opportunities and challenges for software developers, particularly beginners. This research identifies the difficulties faced by software developers in finding or selling source code and proposes a solution in the form of an E-Commerce platform for source code trading named Gencode. The study aims to design and develop the Gencode platform to facilitate efficient source code transactions. Targeting software developers, a questionnaire survey highlights challenges in finding the right platform for source code sales and difficulties in promoting their work. Gencode aims to address these issues by providing a suitable space for source code transactions. The development process adopts the Scrum methodology, involving stages such as 12 Product Backlog and 6 Sprints. The website undergoes Black Box Testing, yielding a 97.5% success rate, ensuring smooth functionality. Consequently, customers can access various pages, including the homepage, source code page, about us page, login page, registration page, profile page, shopping cart page, order history page, product detail page, and product search feature. Additionally, customers can negotiate with sellers. Sellers have access to login, registration, dashboard, profile, order, invoice, and product pages, excluding customer and seller data pages. Super administrators can access all dashboard features. Gencode aims to effectively address challenges faced by software developers in buying and selling source code in the E-Commerce market.

Keywords: E-Commerce, Scrum, Software Development, Source Code, Website.