

ABSTRACT

DESIGN OF INVENTORY-BASED GOODS AND SERVICES INFORMATION SYSTEMS WEBSITE WITH METHOD SCRUM (CASE STUDY PT. MUTIARA ALFINI)

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Business competition in the industrial world is getting tougher. The number of companies is increasing and they are continuing to make efforts and strategies to maintain their business. Business at PT. Mutiara Alfini is a private company that facilitates the implementation and coordinates the implementation of the provision of goods and services in the city of Cilegon. Based on an interview with *Owner*, at this time PT. Mutiara Alfini does not yet have its own information system, marketing done manually causes PT. Alfin Pearl has minimal scope. Data collection which is still done using books and records makes performance less effective and efficient. Therefore PT. Alfin Pearl must have alternatives to improve service quality and expand the scope of marketing. So this study aims to design an information system inventory of goods and services PT. Pearl based Alfini *website* as a case study, which uses the *method scrum* and test *method system usability scale*. *Method scrum* itself has many advantages in streamlining time on making a website that will be made, each ongoing sprint will be evaluated and suggestions will be given which according to the owner are not in accordance with the requirements of the system that has been made. Based on the results of the respondents, there were 10 using the *method solvin*, testing this system performs a series of efficiency and effectiveness tests with an average effectiveness of 95% and efficiency is 0.07 *goal/sec* and testing this system to get results from an average percentage of 73.25 with these results on SUS getting results *score percentile rank grade C*. So that the results of the information system design are in the form *website* this will be useful for PT. Mutiara Alfini

Keyword: Website, scrum, SUS, Codeigniter, Mysql, Solvin