ABSTRACT

The Department of Industry and Trade of Bandung Regency is a government agency whose work program is management and facilitation in Industry. The purpose of this management and facilitation is so that there is no fraud on the Measuring Instrument and its Equipments. To handle the service of Metrology in the Bandung Regency Industry and Trade Office, it still uses the recording of requests made manually in the agenda book. Scheduling is also still done manually based on the queue for incoming submissions. Requests for submissions are still received through various sources such as Email, Whatsapp or SMS. Those, the data is not well documented and allows for errors in data collection. The above problems can also cause difficulties in doing the recapitulation of Tera scheduling that has been done. From this problem, it is proposed that the application for tera application, the tera scheduling feature, and the account feature for business actors to see the status of the application for tera in the tera history table. In the development of this application also uses the Ian Sommerville Waterfall method whose design has been agreed with the Kemetrologian Bandung Regency. This application development also uses the CodeIgniter Framework and MySQL database. The results of tests that have been carried out, the Bandung Regency Kemetrologian has received the application that has been built is this application has made it easy for the Ministry of Metrology services to manage the submission and scheduling of tera, provides ease of statistical reporting to the Head of UPT through the right of access online, and also provides convenience business actors to see the development of tera submission through online access rights.

Keywords: Scheduling, Tera, Application, Web, CodeIgniter, MySQL