

## ABSTRACT

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*Application engine performance monitoring suitability of warranty at PT Sarana Medikal Prisma is an application which is built with the aim to facilitate the management of monitoring machine that can use for fill data monitoring by electronic form, scheduling using SMS Broadcast and Calendar javascript event and also the location information monitoring use Google Maps API. The methodology that use to making this application is waterfall model in SDLC method. Programming language is PHP with CodeIgniter framework, HTML5. For the interface using CSS3 and JQuery which use Bootstrap template. Using the MySQL database. Tool and editor that used is XAMPP and Notepad ++. Then use Gammu as an application that is use for sending SMS Broadcast. Users of this application is the officer technician who can manage data suppliers, machinery, hospitals, production and purchasing, manager of technicians who can manage process of approval (approval) to form TC and also director of the company who can see the monitoring report based on the documents of examination.*

*Keywords: Web Application, Monitoing, SMS Broadcast, Google Maps API, Calendar javascript event*