

ABSTRACT

Clinic is a public service institution that is engaged in health services. Currently, Citra Sehat Sadang Clinic in Bandung, in managing the administration of patient services, still uses conventional methods where in recording daily operational activities such as patient registration, patient data management, recording examination results (diagnosis) and therapy (medical records) and others are still using the conventional method (manual), namely by handwriting on paper (books/log books) so that the archives of various data in the clinic will accumulate, requiring a lot of storage space and finding data becomes impractical.

To overcome these problems, in this final project, a website was created using the Laravel Framework and MySQL database by applying several MVC concepts in programming techniques and using the pagination method. The web is used to store patient data (patients: general practitioners, dentists, pediatricians, and midwives), medical personnel (including doctors). Which can be accessed by the patients themselves, doctors, midwives, and can be changed/added/deleted by admins through their respective accounts. In addition to the accounts above, registration kiosks and audio-visual registration kiosks were also created for patients being served, which were built by components: Mini PC, Touch Screen, Mini Printer, and TV display. Patient registration by patients for treatment besides being able to be done from a kiosk (at the clinic location) can also be done from outside the clinic via cellphone or laptop online by obtaining a queue number

From the results of functional testing, it shows that the website has functioned/worked as planned with a 100% success rate. In the performance test, the average delay (average response time for the appearance of web pages) was measured: 1.8 seconds. In lighthouse testing to analyze the website, it has a high level of value with performance of 95, accessibility of 82, Best Practices of 92 and SEO of 80 and based on questionnaire survey testing with medical personnel, admins, doctors, and patient representatives, it shows that the website can useful and help facilitate service with a figure of 90.54% expressed satisfaction.

Keywords : Website, Laravel, MySQL, Pagination, MVC.